

SAFETY DATA SHEET

Polar Ion SI Method Development Kit, Part Number G7750-67000

Section 1. Identification

This product is considered an article. This Safety Data Sheet is written based on the encapsulated substance or mixture in this article.

1.1 Product identifier

Product name	: Polar Ion SI Method Development Kit, Part Number G7750-67000
Part no. (chemical kit)	: G7750-67000
Part no.	: <input checked="" type="checkbox"/> Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk 12102009
	Bond Elut SI, 100mg, 1mL, 10/Pk 12102010
	Bond Elut CBA, 100mg, 1mL, 10/Pk 12102011
	Bond Elut SCX, 100mg, 1mL, 10/Pk 12102013
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk 12102014
	Bond Elut SAX 100 g, 1mL, 10/Pk 12102017

Validation date : 12/16/2018

1.2 Relevant identified uses of the substance or mixture and uses advised against

Material uses	: <input checked="" type="checkbox"/> Reagents and Standards for Analytical Chemistry Laboratory Use
	<input checked="" type="checkbox"/> Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk
	Bond Elut SI, 100mg, 1mL, 10/Pk
	Bond Elut CBA, 100mg, 1mL, 10/Pk
	Bond Elut SCX, 100mg, 1mL, 10/Pk
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk
	Bond Elut SAX 100 g, 1mL, 10/Pk

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
5301 Stevens Creek Blvd
Santa Clara, CA 95051, USA
800-227-9770

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

2.1 Classification of the substance or mixture

OSHA/HCS status	: <input checked="" type="checkbox"/> Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk Bond Elut SI, 100mg, 1mL, 10/Pk	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	Bond Elut SCX, 100mg,	This material is considered hazardous by the OSHA

Section 2. Hazards identification

1mL, 10/Pk	Hazard Communication Standard (29 CFR 1910.1200).
Bond Elut NH ₂ ,100mg, 1mL, 10/Pk	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Bond Elut SAX 100 g, 1mL, 10/Pk	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk

Comb. Dusts COMBUSTIBLE DUSTS

Bond Elut CBA, 100mg, 1mL, 10/Pk

Comb. Dusts COMBUSTIBLE DUSTS

Bond Elut SCX, 100mg, 1mL, 10/Pk

Comb. Dusts COMBUSTIBLE DUSTS

Bond Elut NH₂,100mg, 1mL, 10/Pk

Comb. Dusts COMBUSTIBLE DUSTS

Bond Elut SAX 100 g, 1mL, 10/Pk

Comb. Dusts COMBUSTIBLE DUSTS

2.2 GHS label elements

Signal word

: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Warning
Bond Elut SI, 100mg, 1mL, 10/Pk	No signal word.
Bond Elut CBA, 100mg, 1mL, 10/Pk	Warning
Bond Elut SCX, 100mg, 1mL, 10/Pk	Warning
Bond Elut NH ₂ ,100mg, 1mL, 10/Pk	Warning
Bond Elut SAX 100 g, 1mL, 10/Pk	Warning

Hazard statements

: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No code - May form combustible dust concentrations in air.
Bond Elut SI, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
Bond Elut CBA, 100mg, 1mL, 10/Pk	No code - May form combustible dust concentrations in air.
Bond Elut SCX, 100mg, 1mL, 10/Pk	No code - May form combustible dust concentrations in air.
Bond Elut NH ₂ ,100mg, 1mL, 10/Pk	No code - May form combustible dust concentrations in air.
Bond Elut SAX 100 g, 1mL, 10/Pk	No code - May form combustible dust concentrations in air.

Precautionary statements

Prevention

: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not applicable.
Bond Elut SI, 100mg, 1mL, 10/Pk	Not applicable.
Bond Elut CBA, 100mg, 1mL, 10/Pk	Not applicable.
Bond Elut SCX, 100mg, 1mL, 10/Pk	Not applicable.
Bond Elut NH ₂ ,100mg, 1mL, 10/Pk	Not applicable.

Section 2. Hazards identification

Response	Bond Elut SAX 100 g, 1mL, 10/Pk	Not applicable.
	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not applicable.
Storage	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not applicable.
	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not applicable.
Disposal	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not applicable.
	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not applicable.
Supplemental label elements	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not applicable.
	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.
Bond Elut SI, 100mg, 1mL, 10/Pk	None known.	
Bond Elut CBA, 100mg, 1mL, 10/Pk	Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.	
Bond Elut SCX, 100mg, 1mL, 10/Pk	Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.	
Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.	
Bond Elut SAX 100 g, 1mL, 10/Pk	Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.	

2.3 Other hazards

Section 2. Hazards identification

Hazards not otherwise classified	Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	None known.
	Bond Elut SI, 100mg, 1mL, 10/Pk	None known.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	None known.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	None known.
	Bond Elut NH₂, 100mg, 1mL, 10/Pk	None known.
	Bond Elut SAX 100 g, 1mL, 10/Pk	None known.

Section 3. Composition/information on ingredients

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

Substance/mixture	Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Substance (encapsulated in article)
	Bond Elut SI, 100mg, 1mL, 10/Pk	Substance (encapsulated in article)
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Substance (encapsulated in article)
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Substance (encapsulated in article)
	Bond Elut NH₂, 100mg, 1mL, 10/Pk	Substance (encapsulated in article)
	Bond Elut SAX 100 g, 1mL, 10/Pk	Substance (encapsulated in article)

Ingredient name	%	CAS number
Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk Organosilane bonded silica gel	100	-
Bond Elut SI, 100mg, 1mL, 10/Pk Silica, amorphous, precipitated and gel	100	112926-00-8
Bond Elut CBA, 100mg, 1mL, 10/Pk Organosilane bonded silica gel	100	-
Bond Elut SCX, 100mg, 1mL, 10/Pk Organosilane bonded silica gel	100	-
Bond Elut NH₂, 100mg, 1mL, 10/Pk Organosilane bonded silica gel	100	-
Bond Elut SAX 100 g, 1mL, 10/Pk Organosilane bonded silica gel	100	-

Note: The hazard information listed is based on unbonded silica gel CAS Number 112926-00-8. To the best of our knowledge, the acute and chronic toxicological properties of bonded silica gels have not been investigated. This product contains synthetic amorphous silica, and should not be confused with crystalline silica such as quartz, cristobalite, or tridymite, or with diatomaceous earth or other naturally occurring forms of amorphous silica that frequently contain crystalline forms of silica.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
	Bond Elut NH2, 100mg, 1mL, 10/Pk	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Inhalation	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	Bond Elut SCX, 100mg, 1mL,	Remove victim to fresh air and keep at rest in a

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	10/Pk	position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	Bond Elut NH2, 100mg, 1mL, 10/Pk	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Bond Elut NH2, 100mg, 1mL, 10/Pk	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Flush contaminated skin with plenty of water.

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Ingestion

: Bond Elut Diol (2OH), 100mg,
1mL, 10/Pk

Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Bond Elut SI, 100mg, 1mL, 10/Pk

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Bond Elut CBA, 100mg, 1mL,
10/Pk

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Bond Elut SCX, 100mg, 1mL,
10/Pk

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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Bond Elut NH2, 100mg, 1mL, 10/Pk Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Bond Elut SAX 100 g, 1mL, 10/Pk Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact

: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
Bond Elut SI, 100mg, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
Bond Elut CBA, 100mg, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
Bond Elut SCX, 100mg, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
Bond Elut NH2, 100mg, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
Bond Elut SAX 100 g, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.

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Inhalation	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk Bond Elut SI, 100mg, 1mL, 10/Pk Bond Elut CBA, 100mg, 1mL, 10/Pk Bond Elut SCX, 100mg, 1mL, 10/Pk Bond Elut NH2, 100mg, 1mL, 10/Pk Bond Elut SAX 100 g, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
Skin contact	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk Bond Elut SI, 100mg, 1mL, 10/Pk Bond Elut CBA, 100mg, 1mL, 10/Pk Bond Elut SCX, 100mg, 1mL, 10/Pk Bond Elut NH2, 100mg, 1mL, 10/Pk Bond Elut SAX 100 g, 1mL, 10/Pk	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk Bond Elut SI, 100mg, 1mL, 10/Pk Bond Elut CBA, 100mg, 1mL, 10/Pk Bond Elut SCX, 100mg, 1mL, 10/Pk Bond Elut NH2, 100mg, 1mL, 10/Pk Bond Elut SAX 100 g, 1mL, 10/Pk	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<u>Over-exposure signs/symptoms</u>		
Eye contact	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk Bond Elut SI, 100mg, 1mL, 10/Pk Bond Elut CBA, 100mg, 1mL, 10/Pk Bond Elut SCX, 100mg, 1mL, 10/Pk Bond Elut NH2, 100mg, 1mL, 10/Pk Bond Elut SAX 100 g, 1mL, 10/Pk	Adverse symptoms may include the following: irritation redness Adverse symptoms may include the following: irritation redness Adverse symptoms may include the following: irritation redness Adverse symptoms may include the following: irritation redness Adverse symptoms may include the following: irritation redness Adverse symptoms may include the following: irritation redness

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Inhalation	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Adverse symptoms may include the following: respiratory tract irritation coughing
	Bond Elut SI, 100mg, 1mL, 10/Pk	Adverse symptoms may include the following: respiratory tract irritation coughing
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Adverse symptoms may include the following: respiratory tract irritation coughing
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Adverse symptoms may include the following: respiratory tract irritation coughing
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Adverse symptoms may include the following: respiratory tract irritation coughing
	Bond Elut SAX 100 g, 1mL, 10/Pk	Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut SI, 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut SAX 100 g, 1mL, 10/Pk	No specific data.
Ingestion	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut SI, 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut SAX 100 g, 1mL, 10/Pk	No specific data.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been

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ingested or inhaled.

Specific treatments	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No specific treatment.
	Bond Elut SI, 100mg, 1mL, 10/Pk	No specific treatment.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	No specific treatment.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	No specific treatment.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	No specific treatment.
Protection of first-aiders	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Bond Elut SI, 100mg, 1mL, 10/Pk	No action shall be taken involving any personal risk or without suitable training.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Bond Elut SAX 100 g, 1mL, 10/Pk	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Use dry chemical powder.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Use an extinguishing agent suitable for the surrounding fire.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Use dry chemical powder.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Use dry chemical powder.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Use dry chemical powder.
Unsuitable extinguishing media	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.
	Bond Elut SI, 100mg, 1mL, 10/Pk	None known.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

Section 5. Fire-fighting measures

Bond Elut SAX 100 g, 1mL, 10/Pk Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk Bond Elut SI, 100mg, 1mL, 10/Pk Bond Elut CBA, 100mg, 1mL, 10/Pk Bond Elut SCX, 100mg, 1mL, 10/Pk Bond Elut NH ₂ , 100mg, 1mL, 10/Pk Bond Elut SAX 100 g, 1mL, 10/Pk	May form explosible dust-air mixture if dispersed. No specific fire or explosion hazard. May form explosible dust-air mixture if dispersed. May form explosible dust-air mixture if dispersed. May form explosible dust-air mixture if dispersed. May form explosible dust-air mixture if dispersed.
Hazardous thermal decomposition products	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk Bond Elut SI, 100mg, 1mL, 10/Pk Bond Elut CBA, 100mg, 1mL, 10/Pk Bond Elut SCX, 100mg, 1mL, 10/Pk Bond Elut NH ₂ , 100mg, 1mL, 10/Pk Bond Elut SAX 100 g, 1mL, 10/Pk	Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides Decomposition products may include the following materials: metal oxide/oxides Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk Bond Elut SI, 100mg, 1mL, 10/Pk Bond Elut CBA, 100mg, 1mL, 10/Pk	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire
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Section 5. Fire-fighting measures

	Bond Elut SCX, 100mg, 1mL, 10/Pk	area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
	Bond Elut NH2, 100mg, 1mL, 10/Pk	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Bond Elut NH2, 100mg, 1mL, 10/Pk	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Bond Elut SI, 100mg, 1mL, 10/Pk	No action shall be taken involving any personal

Section 6. Accidental release measures

Bond Elut CBA, 100mg, 1mL, 10/Pk	risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing dust. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Bond Elut SCX, 100mg, 1mL, 10/Pk	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Bond Elut NH2, 100mg, 1mL, 10/Pk	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Bond Elut SAX 100 g, 1mL, 10/Pk	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders : Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Bond Elut SI, 100mg, 1mL, 10/Pk	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Bond Elut CBA, 100mg, 1mL, 10/Pk	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Bond Elut SCX, 100mg, 1mL,	If specialized clothing is required to deal with the

Section 6. Accidental release measures

	10/Pk	spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Bond Elut NH2, 100mg, 1mL, 10/Pk	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Bond Elut SAX 100 g, 1mL, 10/Pk	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Bond Elut SI, 100mg, 1mL, 10/Pk	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Bond Elut NH2, 100mg, 1mL, 10/Pk	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Bond Elut SAX 100 g, 1mL, 10/Pk	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed

Section 6. Accidental release measures

Bond Elut SCX, 100mg, 1mL, 10/Pk	waste disposal contractor. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Bond Elut NH2, 100mg, 1mL, 10/Pk	Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Bond Elut SAX 100 g, 1mL, 10/Pk	Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures

: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Bond Elut SI, 100mg, 1mL, 10/Pk

Put on appropriate personal protective equipment (see Section 8). Avoid breathing dust.

Bond Elut CBA, 100mg, 1mL, 10/Pk

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding

Section 7. Handling and storage

Bond Elut SCX, 100mg, 1mL,
10/Pk

containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container. Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Bond Elut NH2, 100mg, 1mL, 10/Pk

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Bond Elut SAX 100 g, 1mL, 10/Pk

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity

Section 7. Handling and storage

<p>Advice on general occupational hygiene</p>	<p>: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk</p>	<p>during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.</p>
	<p>Bond Elut SI, 100mg, 1mL, 10/Pk</p>	<p>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.</p>
	<p>Bond Elut CBA, 100mg, 1mL, 10/Pk</p>	<p>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.</p>
	<p>Bond Elut SCX, 100mg, 1mL, 10/Pk</p>	<p>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.</p>
	<p>Bond Elut NH₂, 100mg, 1mL, 10/Pk</p>	<p>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.</p>
	<p>Bond Elut SAX 100 g, 1mL, 10/Pk</p>	<p>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.</p>
<p>7.2 Conditions for safe storage, including any incompatibilities</p>	<p>: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk</p>	<p>Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate</p>

Section 7. Handling and storage

Bond Elut SI, 100mg, 1mL, 10/Pk

containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Bond Elut CBA, 100mg, 1mL,
10/Pk

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Bond Elut SCX, 100mg, 1mL,
10/Pk

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Bond Elut NH2, 100mg, 1mL, 10/Pk

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Bond Elut SAX 100 g, 1mL, 10/Pk

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry,

Section 7. Handling and storage

cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Industrial applications, Professional applications.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Industrial applications.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Industrial applications, Professional applications.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Industrial applications, Professional applications.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Industrial applications, Professional applications.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Industrial applications, Professional applications.
Industrial sector specific solutions	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not applicable.

Section 8. Exposure controls/personal protection

Since the hazardous ingredient in this article is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk Organosilane bonded silica gel	ACGIH TLV (United States). Particulate matter not otherwise classified: (PNOC): 10 mg/m ³ Form: Inhalable Particulate matter not otherwise classified: (PNOC): 3 mg/m ³ Form: Respirable OSHA PEL (United States). Particulate matter not otherwise classified: (PNOC): 5 mg/m ³ Form: Respirable fraction Particulate matter not otherwise classified: (PNOC): 15 mg/m ³ Form: Total dust
Bond Elut SI, 100mg, 1mL, 10/Pk Silica, amorphous, precipitated and gel	OSHA PEL 1989 (United States, 3/1989). TWA: 6 mg/m ³ 8 hours. NIOSH REL (United States, 10/2016). TWA: 6 mg/m ³ 10 hours.

Section 8. Exposure controls/personal protection

Bond Elut CBA, 100mg, 1mL, 10/Pk
Organosilane bonded silica gel

ACGIH TLV (United States).

Particulate matter not otherwise classified:
(PNOC): 10 mg/m³ Form: Inhalable

Particulate matter not otherwise classified:
(PNOC): 3 mg/m³ Form: Respirable

OSHA PEL (United States).

Particulate matter not otherwise classified:
(PNOC): 5 mg/m³ Form: Respirable fraction

Particulate matter not otherwise classified:
(PNOC): 15 mg/m³ Form: Total dust

Bond Elut SCX, 100mg, 1mL, 10/Pk
Organosilane bonded silica gel

ACGIH TLV (United States).

Particulate matter not otherwise classified:
(PNOC): 10 mg/m³ Form: Inhalable

Particulate matter not otherwise classified:
(PNOC): 3 mg/m³ Form: Respirable

OSHA PEL (United States).

Particulate matter not otherwise classified:
(PNOC): 5 mg/m³ Form: Respirable fraction

Particulate matter not otherwise classified:
(PNOC): 15 mg/m³ Form: Total dust

Bond Elut NH2, 100mg, 1mL, 10/Pk
Organosilane bonded silica gel

ACGIH TLV (United States).

Particulate matter not otherwise classified:
(PNOC): 10 mg/m³ Form: Inhalable

Particulate matter not otherwise classified:
(PNOC): 3 mg/m³ Form: Respirable

OSHA PEL (United States).

Particulate matter not otherwise classified:
(PNOC): 5 mg/m³ Form: Respirable fraction

Particulate matter not otherwise classified:
(PNOC): 15 mg/m³ Form: Total dust

Bond Elut SAX 100 g, 1mL, 10/Pk
Organosilane bonded silica gel

ACGIH TLV (United States).

Particulate matter not otherwise classified:
(PNOC): 10 mg/m³ Form: Inhalable

Particulate matter not otherwise classified:
(PNOC): 3 mg/m³ Form: Respirable

OSHA PEL (United States).

Particulate matter not otherwise classified:
(PNOC): 5 mg/m³ Form: Respirable fraction

Particulate matter not otherwise classified:
(PNOC): 15 mg/m³ Form: Total dust

8.2 Exposure controls

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Section 8. Exposure controls/personal protection

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Solid. [Powder.]
	: Bond Elut SI, 100mg, 1mL, 10/Pk	Solid. [Powder.]
	: Bond Elut CBA, 100mg, 1mL, 10/Pk	Solid. [Powder.]
	: Bond Elut SCX, 100mg, 1mL, 10/Pk	Solid. [Powder.]
	: Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Solid. [Powder.]
	: Bond Elut SAX 100 g, 1mL, 10/Pk	Solid. [Powder.]
Color	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	White.
	: Bond Elut SI, 100mg, 1mL, 10/Pk	White.
	: Bond Elut CBA, 100mg, 1mL, 10/Pk	White.
	: Bond Elut SCX, 100mg, 1mL, 10/Pk	White.
	: Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	White.
	: Bond Elut SAX 100 g, 1mL, 10/Pk	White.

Section 9. Physical and chemical properties

Odor	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Odorless.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Odorless.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Odorless.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Odorless.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Odorless.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Odorless.
Odor threshold	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not available.
pH	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not available.
Melting point	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	>1710°C (>3110°F)
	Bond Elut SI, 100mg, 1mL, 10/Pk	>1700°C (>3092°F)
	Bond Elut CBA, 100mg, 1mL, 10/Pk	>1710°C (>3110°F)
	Bond Elut SCX, 100mg, 1mL, 10/Pk	>1710°C (>3110°F)
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	>1710°C (>3110°F)
	Bond Elut SAX 100 g, 1mL, 10/Pk	>1710°C (>3110°F)
Boiling point	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	2230°C (4046°F)
	Bond Elut SI, 100mg, 1mL, 10/Pk	2230°C (4046°F)
	Bond Elut CBA, 100mg, 1mL, 10/Pk	2230°C (4046°F)
	Bond Elut SCX, 100mg, 1mL, 10/Pk	2230°C (4046°F)
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	2230°C (4046°F)
	Bond Elut SAX 100 g, 1mL, 10/Pk	2230°C (4046°F)
Flash point	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not applicable.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not available.

Section 9. Physical and chemical properties

Evaporation rate	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not available.
Flammability (solid, gas)	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not available.
Lower and upper explosive (flammable) limits	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not available.
Vapor pressure	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not available.
Vapor density	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not available.
Relative density	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	2.5 to 3.5
	Bond Elut SI, 100mg, 1mL, 10/Pk	2.5 to 3.5
	Bond Elut CBA, 100mg, 1mL, 10/Pk	2.5 to 3.5
	Bond Elut SCX, 100mg, 1mL, 10/Pk	2.5 to 3.5
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	2.5 to 3.5
	Bond Elut SAX 100 g, 1mL, 10/Pk	2.5 to 3.5

Section 9. Physical and chemical properties

Solubility	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Insoluble in the following materials: cold water and hot water.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Insoluble in the following materials: cold water and hot water.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Insoluble in the following materials: cold water and hot water.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Insoluble in the following materials: cold water and hot water.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Insoluble in the following materials: cold water and hot water.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Insoluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not available.
Auto-ignition temperature	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not available.
Decomposition temperature	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not available.
Viscosity	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not available.

Section 10. Stability and reactivity

10.1 Reactivity	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No specific test data related to reactivity available for this product or its ingredients.
	Bond Elut SI, 100mg, 1mL, 10/Pk	No specific test data related to reactivity available for this product or its ingredients.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	No specific test data related to reactivity available for this product or its ingredients.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	No specific test data related to reactivity available for this product or its ingredients.

Section 10. Stability and reactivity

	10/Pk	for this product or its ingredients.
	Bond Elut NH2,100mg, 1mL, 10/Pk	No specific test data related to reactivity available for this product or its ingredients.
	Bond Elut SAX 100 g, 1mL, 10/Pk	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	The product is stable.
	Bond Elut SI, 100mg, 1mL, 10/Pk	The product is stable.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	The product is stable.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	The product is stable.
	Bond Elut NH2,100mg, 1mL, 10/Pk	The product is stable.
	Bond Elut SAX 100 g, 1mL, 10/Pk	The product is stable.
10.3 Possibility of hazardous reactions	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Under normal conditions of storage and use, hazardous reactions will not occur.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Under normal conditions of storage and use, hazardous reactions will not occur.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Under normal conditions of storage and use, hazardous reactions will not occur.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Under normal conditions of storage and use, hazardous reactions will not occur.
	Bond Elut NH2,100mg, 1mL, 10/Pk	Under normal conditions of storage and use, hazardous reactions will not occur.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.
	Bond Elut SI, 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.
	Bond Elut NH2,100mg, 1mL, 10/Pk	Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before

Section 10. Stability and reactivity

	Bond Elut SAX 100 g, 1mL, 10/Pk	transferring material. Prevent dust accumulation. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.
10.5 Incompatible materials	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk Bond Elut SI, 100mg, 1mL, 10/Pk Bond Elut CBA, 100mg, 1mL, 10/Pk Bond Elut SCX, 100mg, 1mL, 10/Pk Bond Elut NH₂, 100mg, 1mL, 10/Pk Bond Elut SAX 100 g, 1mL, 10/Pk 	<ul style="list-style-type: none"> Reactive or incompatible with the following materials: oxidizing materials May react or be incompatible with oxidizing materials. Reactive or incompatible with the following materials: oxidizing materials Reactive or incompatible with the following materials: oxidizing materials Reactive or incompatible with the following materials: oxidizing materials Reactive or incompatible with the following materials: oxidizing materials Reactive or incompatible with the following materials: oxidizing materials
10.6 Hazardous decomposition products	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk Bond Elut SI, 100mg, 1mL, 10/Pk Bond Elut CBA, 100mg, 1mL, 10/Pk Bond Elut SCX, 100mg, 1mL, 10/Pk Bond Elut NH₂, 100mg, 1mL, 10/Pk Bond Elut SAX 100 g, 1mL, 10/Pk 	<ul style="list-style-type: none"> Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<input checked="" type="checkbox"/> Bond Elut SI, 100mg, 1mL, 10/Pk Silica, amorphous, precipitated and gel	LC50 Inhalation Dusts and mists	Rat	>58.8 mg/l	4 hours

Irritation/Corrosion

Section 11. Toxicological information

Not available.

Sensitization

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Bond Elut SI, 100mg, 1mL, 10/Pk Silica, amorphous, precipitated and gel	-	3	-

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Not available.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not available.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Not available.

Potential acute health effects

Eye contact	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Exposure to airborne concentrations above

Section 11. Toxicological information

Inhalation	:	☑ Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	statutory or recommended exposure limits may cause irritation of the eyes.
		Bond Elut SI, 100mg, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
		Bond Elut CBA, 100mg, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
		Bond Elut SCX, 100mg, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
		Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
		Bond Elut SAX 100 g, 1mL, 10/Pk	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
Skin contact	:	☑ Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
		Bond Elut SI, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
		Bond Elut CBA, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
		Bond Elut SCX, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
		Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
		Bond Elut SAX 100 g, 1mL, 10/Pk	No known significant effects or critical hazards.
Ingestion	:	☑ Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
		Bond Elut SI, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
		Bond Elut CBA, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
		Bond Elut SCX, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
		Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
		Bond Elut SAX 100 g, 1mL, 10/Pk	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	☑ Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Adverse symptoms may include the following: irritation redness
		Bond Elut SI, 100mg, 1mL, 10/Pk	Adverse symptoms may include the following: irritation redness
		Bond Elut CBA, 100mg, 1mL, 10/Pk	Adverse symptoms may include the following: irritation redness
		Bond Elut SCX, 100mg, 1mL, 10/Pk	Adverse symptoms may include the following: irritation redness
		Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Adverse symptoms may include the following: irritation redness
		Bond Elut SAX 100 g, 1mL, 10/Pk	Adverse symptoms may include the following: irritation redness

Section 11. Toxicological information

	Bond Elut SAX 100 g, 1mL, 10/Pk	Adverse symptoms may include the following: irritation redness
Inhalation	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Adverse symptoms may include the following: respiratory tract irritation coughing
	Bond Elut SI, 100mg, 1mL, 10/Pk	Adverse symptoms may include the following: respiratory tract irritation coughing
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Adverse symptoms may include the following: respiratory tract irritation coughing
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Adverse symptoms may include the following: respiratory tract irritation coughing
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Adverse symptoms may include the following: respiratory tract irritation coughing
	Bond Elut SAX 100 g, 1mL, 10/Pk	Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut SI, 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut SAX 100 g, 1mL, 10/Pk	No specific data.
Ingestion	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut SI, 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	No specific data.
	Bond Elut SAX 100 g, 1mL, 10/Pk	No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Section 11. Toxicological information

General	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
	Bond Elut SI, 100mg, 1mL, 10/Pk	Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
	Bond Elut NH2, 100mg, 1mL, 10/Pk	Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
	Bond Elut SAX 100 g, 1mL, 10/Pk	Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
Carcinogenicity	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut SI, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut NH2, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut SAX 100 g, 1mL, 10/Pk	No known significant effects or critical hazards.
Mutagenicity	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut SI, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut NH2, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut SAX 100 g, 1mL, 10/Pk	No known significant effects or critical hazards.
Teratogenicity	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut SI, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut NH2, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut SAX 100 g, 1mL, 10/Pk	No known significant effects or critical hazards.
Developmental effects	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut SI, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut NH2, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut SAX 100 g, 1mL, 10/Pk	No known significant effects or critical hazards.
Fertility effects	: Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut SI, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut CBA, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut SCX, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut NH2, 100mg, 1mL, 10/Pk	No known significant effects or critical hazards.
	Bond Elut SAX 100 g, 1mL, 10/Pk	No known significant effects or critical hazards.

Section 11. Toxicological information

Numerical measures of toxicity

Acute toxicity estimates

N/A

Other information	:	Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	Not available.
		Bond Elut SI, 100mg, 1mL, 10/Pk	Not available.
		Bond Elut CBA, 100mg, 1mL, 10/Pk	Not available.
		Bond Elut SCX, 100mg, 1mL, 10/Pk	Not available.
		Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	Not available.
		Bond Elut SAX 100 g, 1mL, 10/Pk	Not available.

Section 12. Ecological information

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

12.5 Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 13. Disposal considerations

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

This Safety Data Sheet is written based on the encapsulated substance or mixture in this article. Since the hazardous ingredient is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

DOT / TDG / Mexico / IMDG / IATA : Not regulated.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Section 15. Regulatory information

Classification	:	Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk	COMBUSTIBLE DUSTS
		Bond Elut SI, 100mg, 1mL, 10/Pk	Not applicable.
		Bond Elut CBA, 100mg, 1mL, 10/Pk	COMBUSTIBLE DUSTS
		Bond Elut SCX, 100mg, 1mL, 10/Pk	COMBUSTIBLE DUSTS
		Bond Elut NH ₂ , 100mg, 1mL, 10/Pk	COMBUSTIBLE DUSTS
		Bond Elut SAX 100 g, 1mL, 10/Pk	COMBUSTIBLE DUSTS

Composition/information on ingredients

Name	%	Classification
Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk Organosilane bonded silica gel	100	COMBUSTIBLE DUSTS
Bond Elut CBA, 100mg, 1mL, 10/Pk Organosilane bonded silica gel	100	COMBUSTIBLE DUSTS
Bond Elut SCX, 100mg, 1mL, 10/Pk Organosilane bonded silica gel	100	COMBUSTIBLE DUSTS
Bond Elut NH₂, 100mg, 1mL, 10/Pk Organosilane bonded silica gel	100	COMBUSTIBLE DUSTS
Bond Elut SAX 100 g, 1mL, 10/Pk Organosilane bonded silica gel	100	COMBUSTIBLE DUSTS

State regulations

Massachusetts	:	The following components are listed: PRECIPITATED SILICA; Silica, precipitated
New York	:	None of the components are listed.
New Jersey	:	The following components are listed: SILICA, AMORPHOUS, PRECIPITATE & GEL
Pennsylvania	:	The following components are listed: PRECIPITATED SILICA

California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Section 15. Regulatory information

Inventory list

Australia	: All components are listed or exempted.
Canada	: Not determined.
China	: All components are listed or exempted.
Europe	: All components are listed or exempted.
Japan	: Japan inventory (ENCS) : All components are listed or exempted. Japan inventory (ISHL) : All components are listed or exempted.
New Zealand	: <input checked="" type="checkbox"/> All components are listed or exempted.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Thailand	: <input checked="" type="checkbox"/> Not determined.
Turkey	: <input checked="" type="checkbox"/> All components are listed or exempted.
United States	: All components are listed or exempted.
Viet Nam	: <input checked="" type="checkbox"/> Not determined.

Section 16. Other information

History

Date of issue	: 12/16/2018
Date of previous issue	: 01/22/2017
Version	: 2

Key to abbreviations

: ATE = Acute Toxicity Estimate
: BCF = Bioconcentration Factor
: GHS = Globally Harmonized System of Classification and Labelling of Chemicals
: IATA = International Air Transport Association
: IBC = Intermediate Bulk Container
: IMDG = International Maritime Dangerous Goods
: LogPow = logarithm of the octanol/water partition coefficient
: MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
: N/A = Not available
: UN = United Nations

Procedure used to derive the classification

Classification	Justification
Bond Elut Diol (2OH), 100mg, 1mL, 10/Pk COMBUSTIBLE DUSTS	On basis of test data
Bond Elut CBA, 100mg, 1mL, 10/Pk COMBUSTIBLE DUSTS	On basis of test data
Bond Elut SCX, 100mg, 1mL, 10/Pk COMBUSTIBLE DUSTS	On basis of test data
Bond Elut NH2, 100mg, 1mL, 10/Pk COMBUSTIBLE DUSTS	On basis of test data
Bond Elut SAX 100 g, 1mL, 10/Pk COMBUSTIBLE DUSTS	On basis of test data

Indicates information that has changed from previously issued version.

Section 16. Other information

[Notice to reader](#)

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