

Section 2. Hazards identification

Signal word	: DNA-Binding Solution Wash Buffer (5X)	Warning No signal word.
Hazard statements	: DNA-Binding Solution Wash Buffer (5X)	H302 + H332 - Harmful if swallowed or if inhaled. No known significant effects or critical hazards.
<u>Precautionary statements</u>		
Prevention	: DNA-Binding Solution	P271 - Use only outdoors or in a well-ventilated area. P261 - Avoid breathing vapor. P270 - Do not eat, drink or smoke when using this product. P264 - Wash hands thoroughly after handling. Not applicable.
	Wash Buffer (5X)	
Response	: DNA-Binding Solution	P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. Not applicable.
	Wash Buffer (5X)	
Storage	: DNA-Binding Solution Wash Buffer (5X)	Not applicable. Not applicable.
Disposal	: DNA-Binding Solution	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. Not applicable.
	Wash Buffer (5X)	
Supplemental label elements	: DNA-Binding Solution Wash Buffer (5X)	None known. None known.
<u>2.3 Other hazards</u>		
Hazards not otherwise classified	: DNA-Binding Solution Wash Buffer (5X)	None known. None known.

Section 3. Composition/information on ingredients

Substance/mixture	: DNA-Binding Solution Wash Buffer (5X)	Mixture Mixture
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Ingredient name	%	CAS number
DNA-Binding Solution		
Guanidinium thiocyanate	≥25 - ≤50	593-84-0
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	≤3	1185-53-1

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 : DNA-Binding Solution

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.

Wash Buffer (5X)

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.

Inhalation : DNA-Binding Solution

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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 necessary, call a poison center or physician. 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Wash Buffer (5X)

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact : DNA-Binding Solution

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.

Wash Buffer (5X)

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion : DNA-Binding Solution

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 necessary, call a poison center or physician. 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.

Wash Buffer (5X)

Wash out mouth with water. Remove victim to

Section 4. First aid measures

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.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: DNA-Binding Solution Wash Buffer (5X)	No known significant effects or critical hazards. No known significant effects or critical hazards.
Inhalation	: DNA-Binding Solution Wash Buffer (5X)	Harmful if inhaled. No known significant effects or critical hazards.
Skin contact	: DNA-Binding Solution Wash Buffer (5X)	No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	: DNA-Binding Solution Wash Buffer (5X)	Harmful if swallowed. No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: DNA-Binding Solution Wash Buffer (5X)	No specific data. No specific data.
Inhalation	: DNA-Binding Solution Wash Buffer (5X)	No specific data. No specific data.
Skin contact	: DNA-Binding Solution Wash Buffer (5X)	No specific data. No specific data.
Ingestion	: DNA-Binding Solution Wash Buffer (5X)	No specific data. No specific data.

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

Notes to physician	: DNA-Binding Solution Wash Buffer (5X)	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: DNA-Binding Solution Wash Buffer (5X)	No specific treatment. No specific treatment.
Protection of first-aiders	: DNA-Binding Solution Wash Buffer (5X)	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : DNA-Binding Solution
Wash Buffer (5X)

Use an extinguishing agent suitable for the surrounding fire.

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : DNA-Binding Solution
Wash Buffer (5X)

None known.

None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical : DNA-Binding Solution
Wash Buffer (5X)

In a fire or if heated, a pressure increase will occur and the container may burst.

In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : DNA-Binding Solution

Wash Buffer (5X)

Decomposition products may include the following materials:

carbon dioxide

carbon monoxide

nitrogen oxides

sulfur oxides

halogenated compounds

No specific data.

5.3 Advice for firefighters

Special protective actions for fire-fighters : DNA-Binding Solution

Wash Buffer (5X)

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.

Special protective equipment for fire-fighters : DNA-Binding Solution

Wash Buffer (5X)

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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 : DNA-Binding Solution

Wash Buffer (5X)

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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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

Section 6. Accidental release measures

For emergency responders : DNA-Binding Solution

Wash Buffer (5X)

touch or walk through spilled material. 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". 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 : DNA-Binding Solution

Wash Buffer (5X)

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).

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 : DNA-Binding Solution

Wash Buffer (5X)

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures : DNA-Binding Solution

Wash Buffer (5X)

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. 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. Empty containers retain product residue and can be hazardous. Do not reuse container. Put on appropriate personal protective equipment (see Section 8).

Section 7. Handling and storage

Advice on general occupational hygiene

: DNA-Binding Solution

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. 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.

Wash Buffer (5X)

7.2 Conditions for safe storage, including any incompatibilities

: DNA-Binding Solution

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. 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.

Wash Buffer (5X)

7.3 Specific end use(s)

Recommendations

: DNA-Binding Solution
Wash Buffer (5X)

Industrial applications, Professional applications.
Industrial applications, Professional applications.

Industrial sector specific solutions

: DNA-Binding Solution
Wash Buffer (5X)

Not applicable.
Not applicable.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
DNA-Binding Solution Guanidinium thiocyanate 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	None. None.

8.2 Exposure controls

Section 8. Exposure controls/personal protection

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- 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	: <input checked="" type="checkbox"/> DNA-Binding Solution	Liquid.
	: <input checked="" type="checkbox"/> Wash Buffer (5X)	Liquid.
Color	: <input checked="" type="checkbox"/> DNA-Binding Solution	Not available.
	: <input checked="" type="checkbox"/> Wash Buffer (5X)	Not available.
Odor	: <input checked="" type="checkbox"/> DNA-Binding Solution	Not available.
	: <input checked="" type="checkbox"/> Wash Buffer (5X)	Not available.
Odor threshold	: <input checked="" type="checkbox"/> DNA-Binding Solution	Not available.
	: <input checked="" type="checkbox"/> Wash Buffer (5X)	Not available.
pH	: <input checked="" type="checkbox"/> DNA-Binding Solution	6.4
	: <input checked="" type="checkbox"/> Wash Buffer (5X)	6.4
Melting point	: <input checked="" type="checkbox"/> DNA-Binding Solution	Not available.
	: <input checked="" type="checkbox"/> Wash Buffer (5X)	0°C (32°F)
Boiling point	: <input checked="" type="checkbox"/> DNA-Binding Solution	Not available.
	: <input checked="" type="checkbox"/> Wash Buffer (5X)	100°C (212°F)
Flash point	: <input checked="" type="checkbox"/> DNA-Binding Solution	Not available.
	: <input checked="" type="checkbox"/> Wash Buffer (5X)	Not available.

Section 9. Physical and chemical properties

Evaporation rate	: DNA-Binding Solution Wash Buffer (5X)	Not available. Not available.
Flammability (solid, gas)	: DNA-Binding Solution Wash Buffer (5X)	Not applicable. Not applicable.
Lower and upper explosive (flammable) limits	: DNA-Binding Solution Wash Buffer (5X)	Not available. Not available.
Vapor pressure	: DNA-Binding Solution Wash Buffer (5X)	Not available. Not available.
Vapor density	: DNA-Binding Solution Wash Buffer (5X)	Not available. Not available.
Relative density	: DNA-Binding Solution Wash Buffer (5X)	Not available. Not available.
Solubility	: DNA-Binding Solution Wash Buffer (5X)	Soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: DNA-Binding Solution Wash Buffer (5X)	Not available. Not available.
Auto-ignition temperature	: DNA-Binding Solution Wash Buffer (5X)	Not available. Not available.
Decomposition temperature	: DNA-Binding Solution Wash Buffer (5X)	Not available. Not available.
Viscosity	: DNA-Binding Solution Wash Buffer (5X)	Not available. Not available.

Section 10. Stability and reactivity

10.1 Reactivity	: DNA-Binding Solution Wash Buffer (5X)	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: DNA-Binding Solution Wash Buffer (5X)	The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: DNA-Binding Solution Wash Buffer (5X)	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: DNA-Binding Solution Wash Buffer (5X)	No specific data. No specific data.
10.5 Incompatible materials	: DNA-Binding Solution Wash Buffer (5X)	May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials.
10.6 Hazardous decomposition products	: DNA-Binding Solution Wash Buffer (5X)	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

Not available.

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
DNA-Binding Solution 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : DNA-Binding Solution
Wash Buffer (5X)

Routes of entry anticipated: Oral, Dermal, Inhalation.
Not available.

Potential acute health effects

Eye contact : DNA-Binding Solution
Wash Buffer (5X)

No known significant effects or critical hazards.
No known significant effects or critical hazards.

Inhalation : DNA-Binding Solution
Wash Buffer (5X)

Harmful if inhaled.
No known significant effects or critical hazards.

Skin contact : DNA-Binding Solution
Wash Buffer (5X)

No known significant effects or critical hazards.
No known significant effects or critical hazards.

Ingestion : DNA-Binding Solution
Wash Buffer (5X)

Harmful if swallowed.
No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : DNA-Binding Solution
Wash Buffer (5X)

No specific data.
No specific data.

Inhalation : DNA-Binding Solution
Wash Buffer (5X)

No specific data.
No specific data.

Section 11. Toxicological information

Skin contact	: DNA-Binding Solution Wash Buffer (5X)	No specific data. No specific data.
Ingestion	: DNA-Binding Solution Wash Buffer (5X)	No specific data. 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

General	: DNA-Binding Solution Wash Buffer (5X)	No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	: DNA-Binding Solution Wash Buffer (5X)	No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	: DNA-Binding Solution Wash Buffer (5X)	No known significant effects or critical hazards. No known significant effects or critical hazards.
Teratogenicity	: DNA-Binding Solution Wash Buffer (5X)	No known significant effects or critical hazards. No known significant effects or critical hazards.
Developmental effects	: DNA-Binding Solution Wash Buffer (5X)	No known significant effects or critical hazards. No known significant effects or critical hazards.
Fertility effects	: DNA-Binding Solution Wash Buffer (5X)	No known significant effects or critical hazards. No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
DNA-Binding Solution	
Oral	1057.1 mg/kg
Dermal	2325.6 mg/kg
Inhalation (dusts and mists)	3.171 mg/l

Other information	: DNA-Binding Solution Wash Buffer (5X)	Not available. Not available.
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Section 12. Ecological information

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Section 12. Ecological information

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.

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

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

Section 15. Regulatory information

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

Classification : **DN**A-Binding Solution ACUTE TOXICITY (oral) - Category 4
Wash Buffer (5X) ACUTE TOXICITY (inhalation) - Category 4
Not applicable.

Composition/information on ingredients

Name	%	Classification
DN A-Binding Solution		
Guanidinium thiocyanate	≥25 - ≤50	ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4
2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	≤3	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : None of the components are listed.

Pennsylvania : None of the components are listed.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

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.

Inventory list

Australia : All components are listed or exempted.

Canada : All components are listed or exempted.

China : All components are listed or exempted.

Section 15. Regulatory information

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

Section 16. Other information

History

Date of issue	: 01/22/2018
Date of previous issue	: 10/28/2015.
Version	: 5

Indicates information that has changed from previously issued version.

Notice to reader

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