

SAFETY DATA SHEET



Solids NMR Sample Kit 7.5mm+ Probes, Part Number G5232-85000

Section 1. Identification

1.1 Product identifier

Product name : Solids NMR Sample Kit 7.5mm+ Probes, Part Number G5232-85000
Part No. (Chemical Kit) : G5232-85000
Part No. : Adamantane 100277
 Ammonium dihydrogenphosphate 204005
 Glycine-15N 299294
 Hexamethylbenzene 322377
 Potassium bromide P0838

Validation date : 6/12/2014.

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

Material uses : Analytical chemistry.
 Glass vials
 5 X 5 g
 Adamantane 5 g
 Ammonium dihydrogenphosphate 5 g
 Glycine-15N 5 g
 Hexamethylbenzene 5 g
 Potassium bromide 5 g

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
 Logistics Center - Americas
 500 Ships Landing Way
 New Castle, Delaware 19720
 800-227-9770

1.4 Emergency telephone number

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

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status : Adamantane	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Ammonium dihydrogenphosphate	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Glycine-15N	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Hexamethylbenzene	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
Potassium bromide	This material is considered hazardous by the

Section 2. Hazards identification

OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

Adamantane

H320 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B

Ammonium dihydrogenphosphate

H320 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B

Glycine-15N

Comb. Dusts COMBUSTIBLE DUSTS

Potassium bromide

H315 SKIN CORROSION/IRRITATION - Category 2
 H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
 H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
 H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Ingredients of unknown toxicity :

Adamantane	Not applicable.
Ammonium dihydrogenphosphate	Not applicable.
Glycine-15N	Not applicable.
Hexamethylbenzene	Percentage of the mixture consisting of ingredient (s) of unknown toxicity: 100%
Potassium bromide	Not applicable.

2.2 GHS label elements

Hazard pictograms



Signal word

:

Adamantane	Warning
Ammonium dihydrogenphosphate	Warning
Glycine-15N	Warning
Hexamethylbenzene	No signal word.
Potassium bromide	Warning

Hazard statements

:

Adamantane	H320 - Causes eye irritation.
Ammonium dihydrogenphosphate	H320 - Causes eye irritation.
Glycine-15N	No Code(s) - May form combustible dust concentrations in air.
Hexamethylbenzene	No known significant effects or critical hazards.
Potassium bromide	H319 - Causes serious eye irritation. H315 - Causes skin irritation. H335 - May cause respiratory irritation. H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention

:

Adamantane	P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling.
Ammonium dihydrogenphosphate	P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling.
Glycine-15N	Not applicable.
Hexamethylbenzene	Not applicable.
Potassium bromide	P280 - Wear protective gloves. Wear eye or face protection.

Section 2. Hazards identification

Response	: Adamantane	P271 - Use only outdoors or in a well-ventilated area. P260 - Do not breathe dust. P264 - Wash hands thoroughly after handling. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
	Ammonium dihydrogenphosphate	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
	Glycine-15N Hexamethylbenzene Potassium bromide	Not applicable. Not applicable. P314 - Get medical attention if you feel unwell. P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P302 + P352 + P362-2 + P363 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. P332 + P313 - If skin irritation occurs: Get medical attention. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
Storage	: Adamantane Ammonium dihydrogenphosphate Glycine-15N Hexamethylbenzene Potassium bromide	Not applicable. Not applicable. Not applicable. Not applicable. P405 - Store locked up.
Disposal	: Adamantane Ammonium dihydrogenphosphate Glycine-15N Hexamethylbenzene Potassium bromide	Not applicable. Not applicable. Not applicable. Not applicable. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: Adamantane Ammonium dihydrogenphosphate Glycine-15N Hexamethylbenzene Potassium bromide	None known. None known. Keep container tightly closed. Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Prevent dust accumulation. None known. None known.

2.3 Other hazards

Section 2. Hazards identification

Hazards not otherwise classified	: Adamantane	None known.
	Ammonium dihydrogenphosphate	None known.
	Glycine-15N	Fine dust clouds may form explosive mixtures with air. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.
	Hexamethylbenzene	None known.
	Potassium bromide	None known.

Section 3. Composition/information on ingredients

Substance/mixture	: Adamantane	Substance
	Ammonium dihydrogenphosphate	Substance
	Glycine-15N	Substance
	Hexamethylbenzene	Mixture
	Potassium bromide	Substance

Ingredient name	%	CAS number
Adamantane Tricyclo[3.3.1.1.3,7]decane	60 - 100	281-23-2
Ammonium dihydrogenphosphate Ammonium dihydrogenorthophosphate	60 - 100	7722-76-1
Glycine-15N Glycine-15n	60 - 100	7299-33-4
Potassium bromide Potassium bromide	60 - 100	7758-02-3

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	: Adamantane	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. If irritation persists, get medical attention.
	Ammonium dihydrogenphosphate	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. If irritation persists, get medical attention.
	Glycine-15N	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.
	Hexamethylbenzene	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get

Section 4. First aid measures

	Potassium bromide	medical attention if irritation occurs. 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.
Inhalation	: Adamantane	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.
	Ammonium dihydrogenphosphate	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. 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.
	Glycine-15N	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. 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.
	Hexamethylbenzene	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Potassium bromide	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

Section 4. First aid measures

		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 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.
Skin contact	: Adamantane	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.
	Ammonium dihydrogenphosphate	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.
	Glycine-15N	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.
	Hexamethylbenzene	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Potassium bromide	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Adamantane	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.
	Ammonium dihydrogenphosphate	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

Section 4. First aid measures

Glycine-15N	<p>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.</p> <p>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.</p>
Hexamethylbenzene	<p>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.</p>
Potassium bromide	<p>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 following exposure or if feeling unwell. 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.</p>

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: Adamantane Ammonium dihydrogenphosphate Glycine-15N	Causes eye irritation. Causes eye irritation. Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
	Hexamethylbenzene Potassium bromide	No known significant effects or critical hazards. Causes serious eye irritation.

Section 4. First aid measures

Inhalation	: Adamantane	No known significant effects or critical hazards.
	Ammonium dihydrogenphosphate	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	Glycine-15N	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	Hexamethylbenzene Potassium bromide	No known significant effects or critical hazards. May cause respiratory irritation.
Skin contact	: Adamantane	No known significant effects or critical hazards.
	Ammonium dihydrogenphosphate	No known significant effects or critical hazards.
	Glycine-15N	No known significant effects or critical hazards.
	Hexamethylbenzene Potassium bromide	No known significant effects or critical hazards. Causes skin irritation.
Ingestion	: Adamantane	May be irritating to mouth, throat and stomach.
	Ammonium dihydrogenphosphate	May be irritating to mouth, throat and stomach.
	Glycine-15N	No known significant effects or critical hazards.
	Hexamethylbenzene Potassium bromide	No known significant effects or critical hazards. Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact	: Adamantane	Adverse symptoms may include the following: irritation watering redness
	Ammonium dihydrogenphosphate	Adverse symptoms may include the following: irritation watering redness
	Glycine-15N	Adverse symptoms may include the following: irritation redness
	Hexamethylbenzene Potassium bromide	No specific data. Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adamantane	No specific data.
	Ammonium dihydrogenphosphate	No specific data.
	Glycine-15N	Adverse symptoms may include the following: respiratory tract irritation coughing
	Hexamethylbenzene Potassium bromide	No specific data. Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Adamantane	No specific data.
	Ammonium dihydrogenphosphate	No specific data.
	Glycine-15N	No specific data.
	Hexamethylbenzene Potassium bromide	No specific data. Adverse symptoms may include the following: irritation redness

Section 4. First aid measures

Ingestion	: Adamantane	No specific data.
	Ammonium dihydrogenphosphate	No specific data.
	Glycine-15N	No specific data.
	Hexamethylbenzene	No specific data.
	Potassium bromide	No specific data.

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

Notes to physician	: Adamantane	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Ammonium dihydrogenphosphate	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.
	Glycine-15N	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.
	Hexamethylbenzene	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Potassium bromide	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: Adamantane	No specific treatment.
	Ammonium dihydrogenphosphate	No specific treatment.
	Glycine-15N	No specific treatment.
	Hexamethylbenzene	No specific treatment.
	Potassium bromide	No specific treatment.
Protection of first-aiders	: Adamantane	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.
	Ammonium dihydrogenphosphate	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.
	Glycine-15N	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.
	Hexamethylbenzene	No action shall be taken involving any personal risk or without suitable training.
	Potassium bromide	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.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Adamantane	Use an extinguishing agent suitable for the surrounding fire.
	Ammonium dihydrogenphosphate	Use an extinguishing agent suitable for the surrounding fire.
	Glycine-15N	Use dry chemical powder.
	Hexamethylbenzene	Use an extinguishing agent suitable for the surrounding fire.
	Potassium bromide	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: Adamantane	None known.
	Ammonium dihydrogenphosphate	None known.
	Glycine-15N	Do not use water jet.
	Hexamethylbenzene	None known.
	Potassium bromide	None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	: Adamantane	No specific fire or explosion hazard.
	Ammonium dihydrogenphosphate	No specific fire or explosion hazard.
	Glycine-15N	Fine dust clouds may form explosive mixtures with air.
	Hexamethylbenzene	No specific fire or explosion hazard.
	Potassium bromide	No specific fire or explosion hazard.
Hazardous thermal decomposition products	: Decomposition products may include the following materials:	
	carbon dioxide	
	carbon monoxide	
	nitrogen oxides	
	phosphorus oxides	
	halogenated compounds	
	metal oxide/oxides	

5.3 Advice for firefighters

Special protective actions for fire-fighters	: Adamantane	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.
	Ammonium dihydrogenphosphate	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.
	Glycine-15N	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.
	Hexamethylbenzene	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.
	Potassium bromide	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.

Section 5. Fire-fighting measures

Special protective equipment for fire-fighters	: Adamantane	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Ammonium dihydrogenphosphate	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Glycine-15N	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Hexamethylbenzene	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Potassium bromide	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** : 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.
- For emergency responders** : If specialised 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

- | | |
|------------------------------|---|
| : Adamantane | 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). |
| Ammonium dihydrogenphosphate | 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). |
| Glycine-15N | 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). |
| Hexamethylbenzene | 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). |
| Potassium bromide | 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). |

Section 6. Accidental release measures

6.3 Methods and materials for containment and cleaning up

Adamantane	Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Ammonium dihydrogenphosphate	Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Glycine-15N	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.
Hexamethylbenzene	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.
Potassium bromide	Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material 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	: Adamantane	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. 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.
	Ammonium dihydrogenphosphate	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. 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.
	Glycine-15N	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

Section 7. Handling and storage

Hexamethylbenzene	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).
Potassium bromide	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. 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.

Advice on general occupational hygiene

- : 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.

7.2 Conditions for safe storage, including any incompatibilities

- : Adamantane

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.
- Ammonium dihydrogenphosphate

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.
- Glycine-15N

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.
- Hexamethylbenzene

Store in accordance with local regulations. Store in original container protected from direct sunlight

Section 7. Handling and storage

Potassium bromide

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.

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. Store locked up. 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.

7.3 Specific end use(s)

Recommendations	: Adamantane	Industrial applications, Professional applications.
	Ammonium dihydrogenphosphate	Industrial applications, Professional applications.
	Glycine-15N	Industrial applications, Professional applications.
	Hexamethylbenzene	Industrial applications, Professional applications.
	Potassium bromide	Industrial applications, Professional applications.
Industrial sector specific solutions	: Not applicable.	

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

None.

8.2 Exposure controls

Appropriate engineering controls	: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
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.
-------------------------	---

Section 8. Exposure controls/personal protection

- 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: chemical splash goggles.
- 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- 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** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: Adamantane	Solid. [Crystalline solid.]
	: Ammonium dihydrogenphosphate	Solid. [Crystalline solid.]
	: Glycine-15N	Solid. [Powder.]
	: Hexamethylbenzene	Solid. [Crystalline solid.]
	: Potassium bromide	Solid.
Color	: Adamantane	Beige.
	: Ammonium dihydrogenphosphate	Colorless.
	: Glycine-15N	White.
	: Hexamethylbenzene	Yellow.
	: Potassium bromide	Not available.
Odor	: Adamantane	Not available.
	: Ammonium dihydrogenphosphate	Not available.
	: Glycine-15N	Odorless.
	: Hexamethylbenzene	Not available.
	: Potassium bromide	Not available.
Odor threshold	: Adamantane	Not available.
	: Ammonium dihydrogenphosphate	Not available.
	: Glycine-15N	Not available.
	: Hexamethylbenzene	Not available.
	: Potassium bromide	Not available.
pH	: Adamantane	Not applicable.
	: Ammonium dihydrogenphosphate	7.8 to 8.2 [Conc. (% w/w): 5%]
	: Glycine-15N	Not available.
	: Hexamethylbenzene	Not available.
	: Potassium bromide	5 to 6 [Conc. (% w/w): 119%]

Section 9. Physical and chemical properties

Melting point	: Adamantane	209 to 212°C (408.2 to 413.6°F)
	Ammonium dihydrogenphosphate	190°C (374°F)
	Glycine-15N	290°C (554°F)
	Hexamethylbenzene	164 to 166°C (327.2 to 330.8°F)
	Potassium bromide	734°C (1353.2°F)
Boiling point	: Adamantane	Not available.
	Ammonium dihydrogenphosphate	Decomposes.
	Glycine-15N	Decomposes.
	Hexamethylbenzene	264°C (507.2°F)
	Potassium bromide	1453°C (2647.4°F)
Flash point	: Adamantane	Not available.
	Ammonium dihydrogenphosphate	Not available.
	Glycine-15N	Not available.
	Hexamethylbenzene	Not available.
	Potassium bromide	Not available.
Evaporation rate	: Adamantane	Not available.
	Ammonium dihydrogenphosphate	Not available.
	Glycine-15N	Not available.
	Hexamethylbenzene	Not available.
	Potassium bromide	Not available.
Flammability (solid, gas)	: Adamantane	Not available.
	Ammonium dihydrogenphosphate	Not available.
	Glycine-15N	Not available.
	Hexamethylbenzene	Not available.
	Potassium bromide	Not available.
Lower and upper explosive (flammable) limits	: Adamantane	Not available.
	Ammonium dihydrogenphosphate	Not available.
	Glycine-15N	Not available.
	Hexamethylbenzene	Not available.
	Potassium bromide	Not available.
Vapor pressure	: Adamantane	Not available.
	Ammonium dihydrogenphosphate	Not available.
	Glycine-15N	Not available.
	Hexamethylbenzene	Not available.
	Potassium bromide	Not available.
Vapor density	: Adamantane	Not available.
	Ammonium dihydrogenphosphate	Not available.
	Glycine-15N	Not available.
	Hexamethylbenzene	5.6 [Air = 1]
	Potassium bromide	Not available.
Relative density	: Adamantane	1.07
	Ammonium dihydrogenphosphate	1.8
	Glycine-15N	Not available.
	Hexamethylbenzene	1.063
	Potassium bromide	2.75
Solubility	: Adamantane	Insoluble in the following materials: cold water and hot water.
	Ammonium dihydrogenphosphate	Soluble in the following materials: cold water and hot water.
	Glycine-15N	Very slightly soluble in the following materials: acetone.
	Hexamethylbenzene	Insoluble in the following materials: diethyl ether. Insoluble in the following materials: cold water and hot water.
	Potassium bromide	Easily soluble in the following materials: cold water and hot water.

Section 9. Physical and chemical properties

Solubility in water	:	Not available.	
Partition coefficient: n-octanol/water	:	Adamantane	4.24
		Ammonium dihydrogenphosphate	Not available.
		Glycine-15N	-3.21
		Hexamethylbenzene	5.11
		Potassium bromide	Not available.
Auto-ignition temperature	:	Adamantane	Not available.
		Ammonium dihydrogenphosphate	Not available.
		Glycine-15N	Not available.
		Hexamethylbenzene	Not available.
		Potassium bromide	Not available.
Decomposition temperature	:	Adamantane	Not available.
		Ammonium dihydrogenphosphate	Not available.
		Glycine-15N	Not available.
		Hexamethylbenzene	Not available.
		Potassium bromide	Not available.
Viscosity	:	Adamantane	Not available.
		Ammonium dihydrogenphosphate	Not available.
		Glycine-15N	Not available.
		Hexamethylbenzene	Not available.
		Potassium bromide	Not available.

Section 10. Stability and reactivity

10.1 Reactivity	:	Adamantane	No specific test data related to reactivity available for this product or its ingredients.
		Ammonium dihydrogenphosphate	No specific test data related to reactivity available for this product or its ingredients.
		Glycine-15N	No specific test data related to reactivity available for this product or its ingredients.
		Hexamethylbenzene	No specific test data related to reactivity available for this product or its ingredients.
		Potassium bromide	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	Adamantane	The product is stable.
		Ammonium dihydrogenphosphate	The product is stable.
		Glycine-15N	The product is stable.
		Hexamethylbenzene	The product is stable.
		Potassium bromide	The product is stable.
10.3 Possibility of hazardous reactions	:	Adamantane	Under normal conditions of storage and use, hazardous reactions will not occur.
		Ammonium dihydrogenphosphate	Under normal conditions of storage and use, hazardous reactions will not occur.
		Glycine-15N	Under normal conditions of storage and use, hazardous reactions will not occur.
		Hexamethylbenzene	Under normal conditions of storage and use, hazardous reactions will not occur.
		Potassium bromide	Under normal conditions of storage and use, hazardous reactions will not occur.

Section 10. Stability and reactivity

10.4 Conditions to avoid	: Adamantane	No specific data.
	Ammonium dihydrogenphosphate	No specific data.
	Glycine-15N	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.
	Hexamethylbenzene	No specific data.
	Potassium bromide	No specific data.
10.5 Incompatible materials	: Adamantane	No specific data.
	Ammonium dihydrogenphosphate	No specific data.
	Glycine-15N	Reactive or incompatible with the following materials: oxidizing materials
	Hexamethylbenzene	No specific data.
	Potassium bromide	No specific data.
10.6 Hazardous decomposition products	: Adamantane	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Ammonium dihydrogenphosphate	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Glycine-15N	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Hexamethylbenzene	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Potassium bromide	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
Adamantane Tricyclo[3.3.1.1 ^{3,7}]decane	LD50 Oral	Rat	>10 g/kg	-
Glycine-15N Glycine-15n	LD50 Oral	Rat	7930 mg/kg	-
Potassium bromide Potassium bromide	LD50 Oral	Rat	3070 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Adamantane Tricyclo[3.3.1.1 ^{3,7}]decane	Eyes - Mild irritant	Rabbit	-	50 milligrams	-

Sensitization

Not available.

Section 11. Toxicological information

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
Potassium bromide Potassium bromide	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Potassium bromide Potassium bromide	Category 2	Not determined	central nervous system (CNS)

Aspiration hazard

Not available.

Information on the likely routes of exposure : skin Eyes Inhalation Ingestion

Potential acute health effects

Eye contact	: Adamantane	Causes eye irritation.
	Ammonium dihydrogenphosphate	Causes eye irritation.
Inhalation	Glycine-15N	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
	Hexamethylbenzene	No known significant effects or critical hazards.
	Potassium bromide	Causes serious eye irritation.
	: Adamantane	No known significant effects or critical hazards.
	Ammonium dihydrogenphosphate	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	Glycine-15N	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
		Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	Hexamethylbenzene	No known significant effects or critical hazards.
	Potassium bromide	May cause respiratory irritation.

Section 11. Toxicological information

Skin contact	: Adamantane	No known significant effects or critical hazards.
	Ammonium dihydrogenphosphate	No known significant effects or critical hazards.
	Glycine-15N	No known significant effects or critical hazards.
	Hexamethylbenzene	No known significant effects or critical hazards.
	Potassium bromide	Causes skin irritation.
Ingestion	: Adamantane	May be irritating to mouth, throat and stomach.
	Ammonium dihydrogenphosphate	May be irritating to mouth, throat and stomach.
	Glycine-15N	No known significant effects or critical hazards.
	Hexamethylbenzene	No known significant effects or critical hazards.
	Potassium bromide	Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Adamantane	Adverse symptoms may include the following: irritation watering redness
	Ammonium dihydrogenphosphate	Adverse symptoms may include the following: irritation watering redness
	Glycine-15N	Adverse symptoms may include the following: irritation redness
	Hexamethylbenzene	No specific data.
	Potassium bromide	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adamantane	No specific data.
	Ammonium dihydrogenphosphate	No specific data.
	Glycine-15N	Adverse symptoms may include the following: respiratory tract irritation coughing
	Hexamethylbenzene	No specific data.
	Potassium bromide	Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Adamantane	No specific data.
	Ammonium dihydrogenphosphate	No specific data.
	Glycine-15N	No specific data.
	Hexamethylbenzene	No specific data.
	Potassium bromide	Adverse symptoms may include the following: irritation redness
Ingestion	: Adamantane	No specific data.
	Ammonium dihydrogenphosphate	No specific data.
	Glycine-15N	No specific data.
	Hexamethylbenzene	No specific data.
	Potassium bromide	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.

Section 11. Toxicological information

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General	: Adamantane Ammonium dihydrogenphosphate Glycine-15N Hexamethylbenzene Potassium bromide	No known significant effects or critical hazards. No known significant effects or critical hazards. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. No known significant effects or critical hazards. May cause damage to organs through prolonged or repeated exposure.
Carcinogenicity	: Adamantane Ammonium dihydrogenphosphate Glycine-15N Hexamethylbenzene Potassium bromide	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.
Mutagenicity	: Adamantane Ammonium dihydrogenphosphate Glycine-15N Hexamethylbenzene Potassium bromide	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.
Teratogenicity	: Adamantane Ammonium dihydrogenphosphate Glycine-15N Hexamethylbenzene Potassium bromide	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.
Developmental effects	: Adamantane Ammonium dihydrogenphosphate Glycine-15N Hexamethylbenzene Potassium bromide	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.
Fertility effects	: Adamantane Ammonium dihydrogenphosphate Glycine-15N Hexamethylbenzene Potassium bromide	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.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Potassium bromide Oral	3070 mg/kg

Other information	: Adamantane Ammonium dihydrogenphosphate Glycine-15N Hexamethylbenzene Potassium bromide	Not available. Not available. Not available. Not available. Not available.
--------------------------	---	--

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Adamantane Tricyclo[3.3.1.1.3,7]decane	Acute LC50 285 to 312 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Potassium bromide Potassium bromide	Acute LC50 100 mg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	96 hours

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Adamantane Adamantane	4.24	-	high
Tricyclo[3.3.1.1.3,7]decane	4.24	-	high
Glycine-15N Glycine-15n	-3.21	-	low
Hexamethylbenzene Hexamethylbenzene	5.11	-	high
Potassium bromide Potassium bromide	-	1.41	low

12.4 Mobility in soil

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

12.5 Other adverse effects :

Adamantane	No known significant effects or critical hazards.
Ammonium dihydrogenphosphate	No known significant effects or critical hazards.
Glycine-15N	No known significant effects or critical hazards.
Hexamethylbenzene	No known significant effects or critical hazards.
Potassium bromide	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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. 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

Additional information : **Special provisions**
251, 340

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT	UN3316	Chemical kits	9	III		<p>Limited quantity Yes.</p> <p>Packaging instruction Passenger aircraft Quantity limitation: 10 kg</p> <p>Cargo aircraft Quantity limitation: 10 kg</p> <p>Special provisions 15</p>
TDG	UN3316	CHEMICAL KIT	9	III		<p>Explosive Limit and Limited Quantity Index 0</p> <p>Passenger Carrying Road or Rail Index 10</p> <p>Special provisions 65</p>
Mexico	UN3316	EQUIPO QUIMICO	9	III		<p>Special provisions 251, 340</p>

Section 14. Transport information

IMDG	UN3316	CHEMICAL KIT. Marine pollutant (Tricyclo[3.3.1.13,7] decane)	9	III	 	<p>The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.</p> <p>Emergency schedules (EmS) F-A, _S-P_</p> <p>Special provisions 251, 340</p>
IATA	UN3316	Chemical kit	9	III		<p>The environmentally hazardous substance mark may appear if required by other transportation regulations.</p> <p>Passenger and Cargo Aircraft Quantity limitation: 10 kg Packaging instructions: 960</p> <p>Cargo Aircraft Only Quantity limitation: 10 kg Packaging instructions: 960</p> <p>Limited Quantities - Passenger Aircraft Quantity limitation: 1 kg Packaging instructions: Y960</p> <p>Special provisions A44, A163</p>

PG* : Packing group

Section 15. Regulatory information

[15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture](#)

U.S. Federal regulations : TSCA 4(a) proposed test rules: Glycine-15n
United States inventory (TSCA 8b): All components are listed or exempted.

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

Section 15. Regulatory information

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 : Immediate (acute) health hazard
Delayed (chronic) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Adamantane Tricyclo[3.3.1.1 ^{3,7}]decane	60 - 100	No.	No.	No.	Yes.	No.
Ammonium dihydrogenphosphate Ammonium dihydrogenorthophosphate	60 - 100	No.	No.	No.	Yes.	No.
Glycine-15N Glycine-15n	60 - 100	Yes.	No.	No.	No.	No.
Potassium bromide Potassium bromide	60 - 100	No.	No.	No.	Yes.	Yes.

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	Ammonium dihydrogenphosphate Ammonium dihydrogenorthophosphate	7722-76-1	60 - 100
Supplier notification	Ammonium dihydrogenphosphate Ammonium dihydrogenorthophosphate	7722-76-1	60 - 100

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

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.

California Prop. 65

No products were found.

Canada inventory : At least one component is not listed in DSL but all such components are listed in NDSL.

International regulations

International lists :

- Australia inventory (AICS)**: Not determined.
- China inventory (IECSC)**: Not determined.
- Japan inventory**: All components are listed or exempted.
- Korea inventory**: Not determined.
- Malaysia Inventory (EHS Register)**: Not determined.
- New Zealand Inventory of Chemicals (NZIoC)**: All components are listed or exempted.
- Philippines inventory (PICCS)**: Not determined.

Section 15. Regulatory information

Taiwan inventory (CSNN): Not determined.

**Chemical Weapons
Convention List Schedule
I Chemicals** : Not listed

**Chemical Weapons
Convention List Schedule
II Chemicals** : Not listed

**Chemical Weapons
Convention List Schedule
III Chemicals** : Not listed

Section 16. Other information

History

Date of issue : 6/12/2014.

Date of previous issue : 8/2/2012.

Version : 2

 Indicates information that has changed from previously issued version.

Notice to reader

Disclaimer: The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.