

# SAFETY DATA SHEET



Preconditioner Unit\_temperature -90C

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

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** : Preconditioner Unit\_temperature -90C
- Part no. (chemical kit)** : G5222-60003, G5222-60004, G5222-60005, G5222-60006, G5222-60007, G5222-60008, G5222-69003, G5222-69003-DEF, G5222-69004, G5222-69004-DEF, G5222-69005, G5222-69005-DEF, G5222-69006, G5222-69006-DEF, G5222-69007, G5222-69007-DEF, G5222-69008, G5222-69008-DEF
- Part no.** :  1150 ETHYLENE Not available.  
Halocarbon R-14 Not available.  
(Tetrafluoromethane)  
Genetron AZ-50 (R-507) Not available.

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

- Material uses** :  Reagents and Standards for Analytical Chemistry Laboratory Use
- 1150 ETHYLENE 0.98 oz (in hermetic refrigeration system)  
Halocarbon R-14 (Tetrafluoromethane) ≤ 1.24 oz (in hermetic refrigeration system)  
Genetron AZ-50 (R-507) 1.02 oz (in hermetic refrigeration system)

### 1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG  
Hewlett-Packard-Str. 8  
76337 Waldbronn  
Germany  
0800 603 1000

**e-mail address of person responsible for this SDS** : pdl-msds\_author@agilent.com

### 1.4 Emergency telephone number

**Emergency telephone number (with hours of operation)** : CHEMTREC®: +(44)-870-8200418

## 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

- Product definition** :  1150 ETHYLENE Mono-constituent substance (encapsulated in article)  
Halocarbon R-14 Mono-constituent substance (encapsulated in article)  
(Tetrafluoromethane)  
Genetron AZ-50 (R-507) Mixture (encapsulated in article)

[Classification according to Regulation \(EC\) No. 1272/2008 \[CLP/GHS\]](#)

Preconditioner Unit\_temperature -90C

## SECTION 2: Hazards identification

### R1150 ETHYLENE

H220 FLAMMABLE GASES - Category 1  
 H280 GASES UNDER PRESSURE - Compressed gas  
 H336 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3

### Halocarbon R-14 (Tetrafluoromethane)

H280 GASES UNDER PRESSURE - Liquefied gas

### Genetron AZ-50 (R-507)

H280 GASES UNDER PRESSURE - Compressed gas

**Ingredients of unknown toxicity** : Genetron AZ-50 (R-507) Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: > 60%  
 Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 30 - 60%

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

## 2.2 Label elements

### Hazard pictograms

: R1150 ETHYLENE



Halocarbon R-14  
(Tetrafluoromethane)



Genetron AZ-50 (R-507)



### Signal word

: R1150 ETHYLENE Danger  
 Halocarbon R-14  
(Tetrafluoromethane) Warning  
 Genetron AZ-50 (R-507) Warning

### Hazard statements

: R1150 ETHYLENE H220 - Extremely flammable gas.  
 H280 - Contains gas under pressure; may explode if heated.  
 H336 - May cause drowsiness or dizziness.  
 Halocarbon R-14  
(Tetrafluoromethane) H280 - Contains gas under pressure; may explode if heated.  
 Genetron AZ-50 (R-507) H280 - Contains gas under pressure; may explode if heated.

### Precautionary statements

**Prevention** : R1150 ETHYLENE P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P261 - Avoid breathing gas.  
 Halocarbon R-14  
(Tetrafluoromethane) Not applicable.  
 Genetron AZ-50 (R-507) Not applicable.

Preconditioner Unit\_temperature -90C

## SECTION 2: Hazards identification

<b>Response</b>	: <input checked="" type="checkbox"/> 1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	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. Not applicable. Not applicable.
<b>Storage</b>	: <input checked="" type="checkbox"/> 1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	P410 - Protect from sunlight. P410 - Protect from sunlight. P410 - Protect from sunlight.
<b>Disposal</b>	: <input checked="" type="checkbox"/> 1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. Not applicable. Not applicable.
<b>Supplemental label elements</b>	: <input checked="" type="checkbox"/> 1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Not applicable. Not applicable. Not applicable.
<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	: <input checked="" type="checkbox"/> 1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Not applicable. Not applicable. Not applicable.
<b>Special packaging requirements</b>		
<b>Tactile warning of danger</b>	: <input checked="" type="checkbox"/> 1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Not applicable. Not applicable. Not applicable.
<b>2.3 Other hazards</b>		
<b>Other hazards which do not result in classification</b>	: <input checked="" type="checkbox"/> 1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	None known. Acts as a simple asphyxiant. At very high concentrations, can displace the normal air and cause suffocation from lack of oxygen. 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.

<b>3.1 Substances</b>	: <input checked="" type="checkbox"/> 1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Mono-constituent substance (encapsulated in article) Mono-constituent substance Mono-constituent substance (encapsulated in article) Mixture (encapsulated in article)
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Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type

Date of issue/Date of revision : 26/02/2018

3/20

Preconditioner Unit\_temperature -90C

### SECTION 3: Composition/information on ingredients

<b>R1150 ETHYLENE</b> Ethylene	EC: 200-815-3 CAS: 74-85-1 Index: 601-010-00-3	100	Flam. Gas 1, H220 Press. Gas (Comp.), H280 STOT SE 3, H336	[A]
<b>Halocarbon R-14 (Tetrafluoromethane)</b> carbon tetrafluoride	EC: 200-896-5 CAS: 75-73-0	100	Press. Gas (Liq.), H280  <b>See Section 16 for the full text of the H statements declared above.</b>	[A]

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.

#### Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy
- [A] Constituent
- [B] Impurity
- [C] Stabilizing additive

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

<b>Eye contact</b>	: <b>R1150 ETHYLENE</b>	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.
	Halocarbon R-14 (Tetrafluoromethane)	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.
	Genetron AZ-50 (R-507)	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.
<b>Inhalation</b>	: <b>R1150 ETHYLENE</b>	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 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.
	Halocarbon R-14 (Tetrafluoromethane)	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

Preconditioner Unit\_temperature -90C

## SECTION 4: First aid measures

		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.
	Genetron AZ-50 (R-507)	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.
<b>Skin contact</b>	:  1150 ETHYLENE	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. To avoid the risk of static discharges and gas ignition, soak contaminated clothing thoroughly with water before removing it. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Halocarbon R-14 (Tetrafluoromethane)	Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. In case of contact with liquid, warm frozen tissues slowly with lukewarm water and get medical attention. Do not rub affected area. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Genetron AZ-50 (R-507)	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.
<b>Ingestion</b>	:  1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane)	As this product is a gas, refer to the inhalation section. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if adverse health effects persist or are severe. Ingestion of liquid can cause burns similar to frostbite. If frostbite occurs, get medical attention. 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. As this product rapidly becomes a gas when released, refer to the inhalation section.
	Genetron AZ-50 (R-507)	As this product is a gas, refer to the inhalation section.
<b>Protection of first-aiders</b>	:  1150 ETHYLENE	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.
	Halocarbon R-14 (Tetrafluoromethane)	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.
	Genetron AZ-50 (R-507)	No action shall be taken involving any personal risk or

Preconditioner Unit\_temperature -90C

## SECTION 4: First aid measures

without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Contact with rapidly expanding gas may cause burns or frostbite. Liquid can cause burns similar to frostbite. Contact with rapidly expanding gas may cause burns or frostbite.
<b>Inhalation</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. At very high concentrations, can displace the normal air and cause suffocation from lack of oxygen. No known significant effects or critical hazards.
<b>Skin contact</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Contact with rapidly expanding gas may cause burns or frostbite. Dermal contact with rapidly evaporating liquid could result in freezing of the tissues or frostbite. Contact with rapidly expanding gas may cause burns or frostbite.
<b>Ingestion</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Can cause central nervous system (CNS) depression. As this product is a gas, refer to the inhalation section. Ingestion of liquid can cause burns similar to frostbite. As this product is a gas, refer to the inhalation section.

#### Over-exposure signs/symptoms

<b>Eye contact</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	No specific data. Adverse symptoms may include the following:  frostbite No specific data.
<b>Inhalation</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness No specific data.
<b>Skin contact</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	No specific data. Adverse symptoms may include the following:  frostbite No specific data.
<b>Ingestion</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	No specific data. Adverse symptoms may include the following:  frostbite No specific data.

### 4.3 Indication of any immediate medical attention and special treatment needed



Preconditioner Unit\_temperature -90C

## SECTION 4: First aid measures

<b>Notes to physician</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 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. 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.
<b>Specific treatments</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	No specific treatment. No specific treatment. No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	None known. None known. None known.

### 5.2 Special hazards arising from the substance or mixture

<b>Hazards from the substance or mixture</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Contains gas under pressure. Extremely flammable gas. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Contains gas under pressure. In a fire or if heated, a pressure increase will occur and the container may burst or explode. Contains gas under pressure. In a fire or if heated, a pressure increase will occur and the container may burst or explode.
<b>Hazardous combustion products</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Decomposition products may include the following materials: carbon dioxide carbon monoxide Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds carbonyl halides Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds carbonyl halides

### 5.3 Advice for firefighters

<b>Special precautions for fire-fighters</b>	: R1150 ETHYLENE	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. Contact supplier immediately for specialist advice. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. If involved in fire, shut off flow immediately if it can be done without risk. If this is impossible, withdraw from area and allow fire to burn. Fight fire from protected location or
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Preconditioner Unit\_temperature -90C

## SECTION 5: Firefighting measures

### Special protective equipment for fire-fighters

		maximum possible distance. Eliminate all ignition sources if safe to do so.
	Halocarbon R-14 (Tetrafluoromethane)	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. Contact supplier immediately for specialist advice. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
	Genetron AZ-50 (R-507)	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. Contact supplier immediately for specialist advice. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
	: R1150 ETHYLENE	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	Halocarbon R-14 (Tetrafluoromethane)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. For incidents involving large quantities, thermally insulated undergarments and thick textile or leather gloves should be worn.
	Genetron AZ-50 (R-507)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

	: R1150 ETHYLENE	Accidental releases pose a serious fire or explosion hazard. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing gas. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Halocarbon R-14 (Tetrafluoromethane)	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 spilt material. Avoid breathing gas. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Genetron AZ-50 (R-507)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Avoid breathing gas. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.



Preconditioner Unit\_temperature -90C

## SECTION 6: Accidental release measures

### For emergency responders

- : R1150 ETHYLENE 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".
- Halocarbon R-14 (Tetrafluoromethane) 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".
- Genetron AZ-50 (R-507) 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

- : R1150 ETHYLENE Ensure emergency procedures to deal with accidental gas releases are in place to avoid contamination of the environment. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Halocarbon R-14 (Tetrafluoromethane) Ensure emergency procedures to deal with accidental gas releases are in place to avoid contamination of the environment. Avoid dispersal of spilt 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).
- Genetron AZ-50 (R-507) Ensure emergency procedures to deal with accidental gas releases are in place to avoid contamination of the environment. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and material for containment and cleaning up

#### Methods for cleaning up

- : R1150 ETHYLENE Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment.
- Halocarbon R-14 (Tetrafluoromethane) Immediately contact emergency personnel. Stop leak if without risk.
- Genetron AZ-50 (R-507) Immediately contact emergency personnel. Stop leak if without risk.

### 6.4 Reference to other sections

- : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Protective measures

- : R1150 ETHYLENE Put on appropriate personal protective equipment (see Section 8). Contains gas under pressure. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not puncture or incinerate container.
- Halocarbon R-14 (Tetrafluoromethane) Put on appropriate personal protective equipment (see Section 8). Contains gas under pressure. Do not get in eyes or on skin or clothing. Avoid breathing gas. Use only

Preconditioner Unit\_temperature -90C

## SECTION 7: Handling and storage

### Advice on general occupational hygiene

Genetron AZ-50 (R-507)	with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Empty containers retain product residue and can be hazardous. Do not puncture or incinerate container.
: R1150 ETHYLENE	Put on appropriate personal protective equipment (see Section 8). Contains gas under pressure. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Empty containers retain product residue and can be hazardous. Do not puncture or incinerate container.
Halocarbon R-14 (Tetrafluoromethane)	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.
Genetron AZ-50 (R-507)	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

#### Storage

: R1150 ETHYLENE	Do not store above the following temperature: 52°C (125. 6°F). Store in accordance with local regulations. Store in a segregated and approved area. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Store locked up. Eliminate all ignition sources. Keep container tightly closed and sealed until ready for use. See Section 10 for incompatible materials before handling or use.
Halocarbon R-14 (Tetrafluoromethane)	Do not store above the following temperature: 52°C (125. 6°F). Store in accordance with local regulations. Store in a segregated and approved area. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Keep container tightly closed and sealed until ready for use. See Section 10 for incompatible materials before handling or use.
Genetron AZ-50 (R-507)	Store in accordance with local regulations. Store in a segregated and approved area. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Keep container tightly closed and sealed until ready for use. See Section 10 for incompatible materials before handling or use.

### Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
R1150 ETHYLENE P2	10	50

### 7.3 Specific end use(s)

Preconditioner Unit\_temperature -90C

## SECTION 7: Handling and storage

<b>Recommendations</b>	: R1150 ETHYLENE	Industrial applications, Professional applications.
	Halocarbon R-14 (Tetrafluoromethane)	Industrial applications, Professional applications.
	Genetron AZ-50 (R-507)	Industrial applications, Professional applications.
<b>Industrial sector specific solutions</b>	: R1150 ETHYLENE	Not applicable.
	Halocarbon R-14 (Tetrafluoromethane)	Not applicable.
	Genetron AZ-50 (R-507)	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

No exposure limit value known.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### DNELs/DMELs

No DNELs/DMELs available.

#### PNECs

No PNECs available

### 8.2 Exposure controls

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

#### 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

Preconditioner Unit\_temperature -90C

## SECTION 8: Exposure controls/personal 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** : 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.
- 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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

- Physical state** : R1150 ETHYLENE Gas.  
Halocarbon R-14 Gas. [Liquefied gas.]  
(Tetrafluoromethane)  
Genetron AZ-50 (R-507) Gas.
- Colour** : R1150 ETHYLENE Colourless.  
Halocarbon R-14 Colourless.  
(Tetrafluoromethane)  
Genetron AZ-50 (R-507) Clear. / Colourless.
- Odour** : R1150 ETHYLENE Musty  
Halocarbon R-14 Odourless.  
(Tetrafluoromethane)  
Genetron AZ-50 (R-507) Ethereal. [Slight]
- Odour threshold** : R1150 ETHYLENE Not available.  
Halocarbon R-14 Not available.  
(Tetrafluoromethane)  
Genetron AZ-50 (R-507) Not available.
- pH** : R1150 ETHYLENE Not available.  
Halocarbon R-14 Not available.  
(Tetrafluoromethane)  
Genetron AZ-50 (R-507) Not available.
- Melting point/freezing point** : R1150 ETHYLENE -169.4°C  
Halocarbon R-14 -183.6°C  
(Tetrafluoromethane)  
Genetron AZ-50 (R-507) Not available.
- Initial boiling point and boiling range** : R1150 ETHYLENE -103.68°C  
Halocarbon R-14 -127.8°C  
(Tetrafluoromethane)  
Genetron AZ-50 (R-507) -46.7°C
- Flash point** : R1150 ETHYLENE Closed cup: -136°C  
Halocarbon R-14 Not available.  
(Tetrafluoromethane)  
Genetron AZ-50 (R-507) Not applicable.

Preconditioner Unit\_temperature -90C

## SECTION 9: Physical and chemical properties

<b>Evaporation rate</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Not available. Not available. >1 (CCl <sub>4</sub> = 1 = 1)
<b>Flammability (solid, gas)</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Not available. Not available. Not available.
<b>Upper/lower flammability or explosive limits</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Lower: 2.7% Upper: 36% Not available. Not available.
<b>Vapour pressure</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	>101.3 kPa [room temperature] Not available. 1061.1 kPa [room temperature] 2529 kPa (18969 mm Hg) [54.4 °C]
<b>Vapour density</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Not available. 3.04 [Air = 1] 3.43 [Air = 1]
<b>Relative density</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	0.978 [Air = 1] Not available. 1.07 [Water = 1]
<b>Solubility(ies)</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Insoluble in the following materials: cold water and hot water. Not available. Not available.
<b>Partition coefficient: n-octanol/water</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Not available. 1.18 1.48
<b>Auto-ignition temperature</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	490°C >1100°C >750°C
<b>Decomposition temperature</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Not available. Not available. Not available.
<b>Viscosity</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Not available. Not available. Not available.
<b>Explosive properties</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Explosive in the presence of the following materials or conditions: heat. Not available. Not available.
<b>Oxidising properties</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Not available. Not available. Not available.

Preconditioner Unit\_temperature -90C

## SECTION 9: Physical and chemical properties

### 9.2 Other information

Physical/chemical properties comments : R1150 ETHYLENE: Gas density: 1.261 kg/m<sup>3</sup> (0°C)

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	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. No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	The product is stable. The product is stable. The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow gas to accumulate in low or confined areas. No specific data.
<b>10.5 Incompatible materials</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	May react or be incompatible with oxidising materials, metals, Al (powder), Zn, Be May react or be incompatible with oxidising materials.
<b>10.6 Hazardous decomposition products</b>	: R1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	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

Not available.

#### Acute toxicity estimates

Not available.

#### Irritation/Corrosion

**Conclusion/Summary** : Not available.

#### Sensitiser

**Conclusion/Summary** : Not available.

#### Mutagenicity

**Date of issue/Date of revision** : 26/02/2018

14/20



Preconditioner Unit\_temperature -90C

## SECTION 11: Toxicological information

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
<b>R1150 ETHYLENE</b> Ethylene	Category 3	Not applicable.	Narcotic effects

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on likely routes of exposure** : **R1150 ETHYLENE** Routes of entry anticipated: Inhalation.  
 Halocarbon R-14 Routes of entry anticipated: Inhalation.  
 (Tetrafluoromethane)  
 Genetron AZ-50 (R-507) Routes of entry anticipated: Inhalation.

### Potential acute health effects

**Inhalation** : **R1150 ETHYLENE** Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.  
 Halocarbon R-14 At very high concentrations, can displace the normal air and cause suffocation from lack of oxygen.  
 (Tetrafluoromethane) No known significant effects or critical hazards.  
 Genetron AZ-50 (R-507)

**Ingestion** : **R1150 ETHYLENE** Can cause central nervous system (CNS) depression. As this product is a gas, refer to the inhalation section.  
 Halocarbon R-14 Ingestion of liquid can cause burns similar to frostbite.  
 (Tetrafluoromethane)  
 Genetron AZ-50 (R-507) As this product is a gas, refer to the inhalation section.

**Skin contact** : **R1150 ETHYLENE** Contact with rapidly expanding gas may cause burns or frostbite.  
 Halocarbon R-14 Dermal contact with rapidly evaporating liquid could result in freezing of the tissues or frostbite.  
 (Tetrafluoromethane) Contact with rapidly expanding gas may cause burns or frostbite.  
 Genetron AZ-50 (R-507)

**Eye contact** : **R1150 ETHYLENE** Contact with rapidly expanding gas may cause burns or frostbite.  
 Halocarbon R-14 Liquid can cause burns similar to frostbite.  
 (Tetrafluoromethane)  
 Genetron AZ-50 (R-507) Contact with rapidly expanding gas may cause burns or frostbite.




### Symptoms related to the physical, chemical and toxicological characteristics

**Inhalation** : **R1150 ETHYLENE** Adverse symptoms may include the following:  
 nausea or vomiting  
 headache  
 drowsiness/fatigue  
 dizziness/vertigo  
 unconsciousness

Halocarbon R-14 No specific data.  
 (Tetrafluoromethane)  
 Genetron AZ-50 (R-507) No specific data.

Preconditioner Unit\_temperature -90C

## SECTION 11: Toxicological information

<b>Ingestion</b>	:  1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane)	No specific data. Adverse symptoms may include the following:  frostbite
	Genetron AZ-50 (R-507)	No specific data.
<b>Skin contact</b>	:  1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane)	No specific data. Adverse symptoms may include the following:  frostbite
	Genetron AZ-50 (R-507)	No specific data.
<b>Eye contact</b>	:  1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane)	No specific data. Adverse symptoms may include the following:  frostbite
	Genetron AZ-50 (R-507)	No specific data.

### Delayed and immediate effects as well as 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

<b>General</b>	:  1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Carcinogenicity</b>	:  1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Mutagenicity</b>	:  1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Teratogenicity</b>	:  1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Developmental effects</b>	:  1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Fertility effects</b>	:  1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Other information</b>	:  1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507)	Not available. Not available. Adverse symptoms may include the following: heartbeat irregularity (arrhythmia).

Preconditioner Unit\_temperature -90C

## SECTION 12: Ecological information

### 12.1 Toxicity

Conclusion/Summary : Not available.

### 12.2 Persistence and degradability

Not available.

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>R1150 ETHYLENE</b> Ethylene	1.13	-	low
<b>Halocarbon R-14</b> (Tetrafluoromethane) carbon tetrafluoride	1.18	-	low
<b>Genetron AZ-50 (R-507)</b> Genetron AZ-50 (R-507)	1.48	-	low

### 12.4 Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

Mobility : Not available.

### 12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects : This product has the potential to cause adverse ozone depletion effects.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimised 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.

**Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

#### Packaging




**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : 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 spill material and runoff and contact with soil, waterways, drains and sewers.

Preconditioner Unit\_temperature -90C

## 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.

	ADR/RID	IMDG	IATA
14.1 UN number	UN3363	UN3363	UN3363
14.2 UN proper shipping name	Dangerous goods in machinery or dangerous goods in apparatus	DANGEROUS GOODS IN APPARATUS	Dangerous goods in apparatus
14.3 Transport hazard class(es)	9 	9 	9 
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

### Additional information

- ADR/RID** : **Tunnel code** (E)
- IMDG** : **Emergency schedules** F-A, \_S-P\_  
**Special provisions** 301
- IATA** : **Quantity limitation** Passenger and Cargo Aircraft: Packaging instructions: See 962. Cargo Aircraft Only: Packaging instructions: See 962. Limited Quantities - Passenger Aircraft: Forbidden. Packaging instructions: Forbidden.  
**Special provisions** A48, A107
- 14.6 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.

**14.7 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  
EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

### Annex XIV

None of the components are listed.

### Substances of very high concern

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** :  1150 ETHYLENE Halocarbon R-14 (Tetrafluoromethane) Genetron AZ-50 (R-507) Not applicable. Not applicable. Not applicable.

### Other EU regulations

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18/20

Preconditioner Unit\_temperature -90C

## SECTION 15: Regulatory information

**Industrial emissions (integrated pollution prevention and control) - Air** : Listed

### Ozone depleting substances (1005/2009/EU)

Not listed.

### Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

### Seveso Directive

This product is not controlled under the Seveso Directive.

### Danger criteria

#### Category

R1150 ETHYLENE  
P2

### 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.
- 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.
- Malaysia** :  All components are listed or exempted.
- New Zealand** : All components are listed or exempted.
- Philippines** : All components are listed or exempted.
- Republic of Korea** : All components are listed or exempted.
- Taiwan** : All components are listed or exempted.
- Thailand** :  Not determined.
- Turkey** : Not determined.
- United States** : All components are listed or exempted.
- Viet Nam** :  Not determined.

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments might still be required.

Preconditioner Unit\_temperature -90C

## SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

### Abbreviations and acronyms

: ATE = Acute Toxicity Estimate  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
<b>R1150 ETHYLENE</b> Flam. Gas 1, H220 Press. Gas (Comp.), H280 STOT SE 3, H336	On basis of test data On basis of test data Calculation method
<b>Halocarbon R-14 (Tetrafluoromethane)</b> Press. Gas (Liq.), H280	On basis of test data
<b>Genetron AZ-50 (R-507)</b> Press. Gas (Comp.), H280	On basis of test data

### Full text of abbreviated H statements

<b>R1150 ETHYLENE</b> H220 H280 H336	Extremely flammable gas. Contains gas under pressure; may explode if heated. May cause drowsiness or dizziness.
<b>Halocarbon R-14 (Tetrafluoromethane)</b> H280	Contains gas under pressure; may explode if heated.
<b>Genetron AZ-50 (R-507)</b> H280	Contains gas under pressure; may explode if heated.

### Full text of classifications [CLP/GHS]

<b>R1150 ETHYLENE</b> Flam. Gas 1, H220 Press. Gas (Comp.), H280 STOT SE 3, H336	FLAMMABLE GASES - Category 1 GASES UNDER PRESSURE - Compressed gas SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3
<b>Halocarbon R-14 (Tetrafluoromethane)</b> Press. Gas (Liq.), H280	GASES UNDER PRESSURE - Liquefied gas
<b>Genetron AZ-50 (R-507)</b> Press. Gas (Comp.), H280	GASES UNDER PRESSURE - Compressed gas

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### Notice to reader

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