

## Safety Data Sheet E-4603

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 10-15-1979 Revision date: 10-02-2023 Supersedes: 05-12-2023 Version: 1.1

### **SECTION 1: Identification**

#### 1.1. Product identifier

Product form : Substance

Substance name : Hydrogen, refrigerated liquid

CAS No : 1333-74-0 Formula : H2

Other means of identification : Hydrogen (cryogenic liquid), para-Hydrogen

Product group : Core Products

#### 1.2. Recommended use and restrictions on use

Recommended uses and restrictions : Industrial use, Use as directed.

#### 1.3. Supplier

Linde Canada inc.

500 — 5015 Spectrum Way Mississauga - Canada L4W 0E4 T 1-905-803-1600 - F 1-905-803-1682

www.lindecanada.ca

### 1.4. Emergency telephone number

**Emergency number** : 1-800-363-0042

Call emergency number 24 hours a day only for spills, leaks, fire, exposure, or accidents

involving this product.

For routine information, contact your supplier or Linde sales representative.

#### **SECTION 2: Hazard identification**

#### 2.1. Classification of the substance or mixture

#### **GHS-CA** classification

Flammable gases, Category 1 H220 Gases under pressure : Refrigerated liquefied gas H281

Simple Asphyxiant

## 2.2. GHS Label elements, including precautionary statements

#### **GHS-CA labelling**

Hazard pictograms





2 GHS04

Signal word : DANGER

Hazard statements : EXTREMELY FLAMMABLE GAS

CONTAINS REFRIGERATED GAS; MAY CAUSE CRYOGENIC BURNS OR INJURY

MAY DISPLACE OXYGEN AND CAUSE RAPID SUFFOCATION

MAY FORM EXPLOSIVE MIXTURES WITH AIR.

BURNS WITH INVISIBLE FLAME.

Precautionary statements : Do not handle until all safety precautions have been read and understood

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

Use and store only outdoors or in a well-ventilated place.

Wear protective gloves/protective clothing/eye protection/face protection Wear cold insulating gloves and either face shield or eye protection LEAKING GAS FIRE: Do not extinguish, unless leak can be stopped safely.

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EN (English - CA) SDS ID : E-4603 1/11



## Safety Data Sheet E-4603

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 10-15-1979 Revision date: 10-02-2023 Supersedes: 05-12-2023 Version: 1.1

In case of leakage, eliminate all ignition sources Use a back flow preventive device in the piping. DO NOT change or force fit connections.

Use only with equipment rated for cylinder pressure.

Do not open valve until connected to equipment prepared for use.

Close valve after each use and when empty. Always keep container in upright position.

Protect from sunlight when ambient temperature exceeds 52°C (125°F). IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF exposed or concerned: Get medical advice/attention

IF ON SKIN:

Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice/attention

#### 2.3. Other hazards

Other hazards which do not result in classification

: Contact with liquid may cause cold burns/frostbite. Asphyxiant in high concentrations.

#### 2.4. Unknown acute toxicity (GHS CA)

Not applicable

### **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

Name	CAS No.	% (Vol.)	Common Name (synonyms)
Hydrogen, refrigerated liquid (Main constituent)	(CAS No) 1333-74-0	100	Hydrogen, compressed / Hydrogen molecule H2

#### 3.2. Mixtures

Not applicable

#### **SECTION 4: First-aid measures**

### 4.1. Description of first aid measures

First-aid measures after inhalation

: Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call a doctor. Apply artificial respiration if breathing stopped. If not breathing, give artificial respiration, with supplemental oxygen given by qualified personnel. If breathing is difficult, qualified personnel should give oxygen. Call a physician. Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, trained personnel should give oxygen. Call a physician.

First-aid measures after skin contact

: The liquid may cause frostbite. For exposure to liquid, immediately warm frostbite area with warm water not to exceed 105°F (41°C). Water temperature should be tolerable to normal skin. Maintain skin warming for at least 15 minutes or until normal coloring and sensation have returned to the affected area. In case of massive exposure, remove clothing while showering with warm water. Seek medical evaluation and treatment as soon as possible.

First-aid measures after eye contact

: Immediately flush eyes thoroughly with water for at least 15 minutes. Hold the eyelids open and away from the eyeballs to ensure that all surfaces are flushed thoroughly. Contact an ophthalmologist immediately. Get immediate medical attention.

First-aid measures after ingestion

Ingestion is not considered a potential route of exposure.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/injuries : No additional information available

### 4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : None.

### **SECTION 5: Fire-fighting measures**

#### 5.1. Suitable extinguishing media

Suitable extinguishing media

: Carbon dioxide, Dry chemical, Water spray or fog. Use extinguishing media appropriate for surrounding fire.

#### 5.2. Unsuitable extinguishing media

No additional information available

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EN (English - CA) SDS ID : E-4603 2/11



## Safety Data Sheet E-4603

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 10-15-1979 Revision date: 10-02-2023 Supersedes: 05-12-2023 Version: 1.1

#### 5.3. Specific hazards arising from the hazardous product

Fire hazard

: EXTREMELY FLAMMABLE, EXTREMELY COLD CRYOGENIC LIQUID AND GAS. The hydrogen flame is nearly invisible. Hydrogen has a low ignition energy; escaping hydrogen gas may ignite spontaneously. A fireball forms if the gas cloud ignites immediately after release. Hydrogen forms explosive mixtures with air and oxidizing agents. EXTREMELY FLAMMABLE GAS

Explosion hazard

: **EXTREMELY FLAMMABLE GAS**. Forms explosive mixtures with air and oxidizing agents.

Reactivity

: No reactivity hazard other than the effects described in sub-sections below.

Reactivity in case of fire

: No reactivity hazard other than the effects described in sub-sections below.

#### 5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions

: DANGER! Extremely cold, flammable liquefied gas. Take care not to direct spray onto vents on top of container. Do not discharge sprays into liquid hydrogen. Liquid hydrogen can freeze water rapidly. If flames are accidentally extinguished, explosive re-ignition may occur. All personnel, including fire and rescue workers, should leave the area immediately. Re-approach with extreme caution. When containers have cooled, move them away from fire area if safe to do so.

If venting or leaking gas catches fire, do not extinguish flames. Flammable vapors may spread from leak, creating an explosive reignition hazard. Vapors can be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge, or other ignition sources at locations distant from product handling point. Explosive atmospheres may linger. Before entering an area, especially a confined area, check the atmosphere with an appropriate device.

Evacuate all personnel from the danger area. Use self-contained breathing apparatus (SCBA) and protective clothing. Immediately cool containers with water from maximum distance. Stop flow of gas if safe to do so, while continuing cooling water spray. Remove ignition sources if safe to do so. Remove containers from area of fire if safe to do so. On-site fire brigades must comply with their provincial and local fire code regulations.

Protection during firefighting

: DANGER! FLAMMABLE, HIGH PRESSURE GAS..

Special protective equipment for fire fighters

: Standard protective clothing and equipment (Self Contained Breathing Apparatus) for fire fighters.

Specific methods

: Use fire control measures appropriate for the surrounding fire. Exposure to fire and heat radiation may cause gas containers to rupture. Cool endangered containers with water spray jet from a protected position. Prevent water used in emergency cases from entering sewers and drainage systems.

Other information

: Cryogenic liquid causes severe frostbite, a burn-like injury. Heat of fire can build pressure in a closed container and cause it to rupture. Venting vapors may obscure visibility. Air will condense on surfaces such as vaporizers or piping exposed to liquid or cold gas. Nitrogen, which has a lower boiling point than oxygen, evaporates first, leaving an oxygen-enriched condensate.

Containers are equipped with a pressure relief device. (Exceptions may exist where authorized.).

EN (English - CA) SDS ID : E-4603 3/11



## Safety Data Sheet E-4603

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 10-15-1979 Revision date: 10-02-2023 Supersedes: 05-12-2023 Version: 1.1

#### **SECTION 6: Accidental release measures**

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

General measures

: EXTREMELY COLD. FLAMMABLE LIQUEFIED GAS. FORMS EXPLOSIVE MIXTURES WITH AIR. (See section 5.) Immediately evacuate all personnel from danger area. Liquid hydrogen will condense moisture in the atmosphere, producing a vapor cloud. The zone of flammability may extend beyond this cloud, so personnel should be evacuated well beyond any visible moisture. Avoid contact with cold liquid, vapor, or frosty condensation. Liquid hydrogen can freeze air, oxygen, and other gases. Contact with liquid or solid gases can cause severe frostbite, a burn-like injury. (See section 2.) Flammable gas may spread from leak. Approach suspected leak area with caution. Before entering area, especially confined areas, check atmosphere with an appropriate device. Self-contained breathing apparatus and protective clothing may be required by rescue workers. Remove all sources of ignition if without risk. Reduce gas with fog or fine water spray. Shut off flow if without risk. Ventilate area or move container to a well-ventilated area. If venting or leaking gas catches fire, do not extinguish flames. Flammable vapors may spread from leak, creating an explosive reignition hazard. Vapors can be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge, or other ignition sources at locations distant from product handling point. Explosive atmospheres may linger. Before entering an area, especially a confined area, check the atmosphere with an appropriate device.

Personal Precautions, Protective Equipment and Emergency Procedures

: General measures : Ensure adequate ventilation. Personal Precautions, Protective Equipment and Emergency Procedures : EVACUATE ALL PERSONNEL FROM AFFECTED AREA. Use appropriate protective equipment. If leak is on user's equipment, be certain to purge piping before attempting repairs. If leak is on a container or container valve contact the closest Linde Canada location.

### 6.2. Methods and materials for containment and cleaning up

For containment

: Try to stop release if safe to do so.

Methods for cleaning up

: Dispose of contents/container in accordance with local/regional/national/international

regulations. Contact supplier for any special requirements.

EN (English - CA) SDS ID : E-4603 4/11



## Safety Data Sheet E-4603

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 10-15-1979 Revision date: 10-02-2023 Supersedes: 05-12-2023 Version: 1.1

#### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling

: PRECAUTIONS TO BE TAKEN IN HANDLING: Do not get liquid in eyes, on skin, or on clothing. Keep away from heat, flame, and sparks. Never allow any unprotected part of your body to touch uninsulated pipes or vessels containing cryogenic fluids. Flesh will stick to the extremely cold metal and will tear when you try to pull free. For liquid withdrawal, wear face shield and cryogenic gloves (see section 8). Air will condense on exposed liquid or cold-gas surfaces such as vaporizers and piping. Nitrogen, which has a lower boiling point than oxygen, will evaporate first, leaving oxygen-enriched condensation on the surface. To prevent possible ignition of grease, oil, or other combustibles, keep all areas of potential condensation free of these substances. Use only spark-proof tools and explosion-proof equipment.

Use a suitable hand truck for container movement. Cryogenic containers must be handled and stored in an upright position. Do not drop or tip containers, or roll them on their sides. Hydrogen is the lightest known gas. It may leak out of systems that are air-tight for other gases and may collect in poorly ventilated upper reaches of buildings. All piped hydrogen systems and associated equipment must be grounded. Electrical equipment must be non-sparking or explosion-proof. Leak check system with soapy water; never use a flame. If valve is hard to open, discontinue use and contact your supplier. For other precautions in using hydrogen, see section 16.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only non-sparking tools. Use only explosion-proof equipment.

Wear leather safety gloves and safety shoes when handling cylinders. Protect cylinders from physical damage; do not drag, roll, slide or drop. While moving cylinder, always keep in place removable valve cover. Never attempt to lift a cylinder by its cap; the cap is intended solely to protect the valve. When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders. Never insert an object (e.g, wrench, screwdriver, pry bar) into cap openings; doing so may damage the valve and cause a leak. Use an adjustable strap wrench to remove over-tight or rusted caps. Slowly open the valve. If the valve is hard to open, discontinue use and contact your supplier. Close the container valve after each use; keep closed even when empty. Never apply flame or localized heat directly to any part of the container. High temperatures may damage the container and could cause the pressure relief device to fail prematurely, venting the container contents. For other precautions in using this product, see section 16.

EN (English - CA) SDS ID : E-4603 5/11



## Safety Data Sheet E-4603

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 10-15-1979 Revision date: 10-02-2023 Supersedes: 05-12-2023 Version: 1.1

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Store only where temperature will not exceed 52 °C (125 °F). Post "No Smoking/No Open Flames" signs in storage and use areas. There must be no sources of ignition. Separate packages and protect against potential fire and/or explosion damage following appropriate codes and requirements (e.g.: CSA, TSSA, or NFPA Codes), or according to the provincial requirements determined by the Authority Having Jurisdiction (AHJ). Always secure containers upright to keep them from falling or being knocked over. Install valve protection cap, if provided, firmly in place by hand when the container is not in use. Store full and empty containers separately. Use a first-in, first-out inventory system to prevent storing full containers for long periods. For other precautions in using this product, see section 16.

Store only where temperature will not exceed 52 °C (125 °F). Post "No Smoking/No Open Flames" signs in storage and use areas. There must be no sources of ignition. Separate packages and protect against potential fire and/or explosion damage following appropriate codes and requirements (e.g.: CSA, TSSA, or NFPA Codes), or according to the provincial requirements determined by the Authority Having Jurisdiction (AHJ). Always secure containers upright to keep them from falling or being knocked over. Install valve protection cap, if provided, firmly in place by hand when the container is not in use. Store full and empty containers separately. Use a first-in, first-out inventory system to prevent storing full containers for long periods. For other precautions in using this product, see section 16.

Store in a cool, well-ventilated place. Store and use with adequate ventilation. Store only where temperature will not exceed 52 °C (125 °F). Firmly secure containers upright to keep them from falling or being knocked over. Install valve protection cap firmly in place by hand. Store full and empty containers separately. Use a first-in, first-out inventory system to prevent storing full containers for long periods.

OTHER PRECAUTIONS FOR HANDLING, STORAGE, AND USE: When handling product under pressure, use piping and equipment adequately designed to withstand the pressures to be encountered. Never work on a pressurized system. Use a back flow preventive device in the piping. Gases can cause rapid suffocation because of oxygen deficiency; store and use with adequate ventilation. If a leak occurs, close the container valve and blow down the system in a safe and environmentally correct manner in compliance with all international, federal/national, state/provincial, and local laws; then repair the leak. Never place a container where it may become part of an electrical circuit.

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

Appropriate engineering controls

: Use an explosion-proof local exhaust system. Local exhaust and general ventilation must be adequate to meet exposure standards. MECHANICAL (GENERAL): Inadequate - Use only in a closed system. Use explosion proof equipment and lighting. Provide adequate general and local exhaust ventilation. Ensure exposure is below occupational exposure limits (where available).

## 8.3. Individual protection measures/Personal protective equipment

Personal protective equipment

: Safety glasses. Face shield. Insulated gloves. Gloves.







Hand protection

Eye protection

: Wear work gloves when handling containers. Wear heavy rubber gloves where contact with product may occur.

: Wear goggles and a face shield when transfilling or breaking transfer connections. Wear safety glasses with side shields. Select in accordance with the current CSA standard Z94.3, "Industrial Eye and Face Protection", and any provincial regulations, local bylaws or guidelines. Safety eye wear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Select in accordance with the current CSA standard Z94.3, "Industrial Eye and Face Protection", and any provincial regulations, local bylaws or guidelines.

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EN (English - CA) SDS ID : E-4603 6/11



## Safety Data Sheet E-4603

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 10-15-1979 Revision date: 10-02-2023 Supersedes: 05-12-2023 Version: 1.1

Respiratory protection

: **Respiratory protection:** Use air supplied respirator when working in confined space or where local exhaust or ventilation does not keep exposure below OEL (if applicable). Select in accordance with provincial regulations, local bylaws or guidelines. Respirators should also be approved by NIOSH and MSHA. For emergencies or instances with unknown exposure levels, use a self-contained breathing apparatus (SCBA).

Thermal hazard protection

: Wear cold insulating gloves. Wear cold insulating gloves when transfilling or breaking transfer connections.

Environmental exposure controls

The substance is not classified for human health hazards or for environment effects and it is not PBT or vPvB so that no exposure assessment or risk characterisation is required. For tasks where the intervention of workers is required, the substance must be handled in accordance with good industrial hygiene and safety procedures.

Other information

: Other protection: Safety shoes for general handling at customer sites. Metatarsal shoes and cuffless trousers for cylinder handling at packaging and filling plants. Select in accordance with the current CSA standard Z195, "Protective Foot Wear", and any provincial regulations, local bylaws or guidelines. For working with flammable and oxidizing materials, consider the use of flame resistant anti-static safety clothing.

### SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

(a) Physical state
(b) Colour
(c) Odour
(dour threshold
(e) Odour threshold
(f) Gas
(f) Colourless
(f) Colourless
(g) Colourless
(g)

(d) Melting point : -259 °C

Freezing point : No data available

(e) Boiling point : -252.9 °C
(f) Flammability : Flammable
(g) Flammability (solid, gas) : 4 – 75 vol %
(h) Flash point : Not available
(i) Auto-ignition temperature : 566 °C

(j) Decomposition temperature : No data available (k) pH : Not applicable. (l) Viscosity, kinematic : Not applicable. (m) Solubility : Water: 1.6 mg/l : Not applicable.

Pow/log Kow]

(o) Vapour pressure : Not applicable.
(p) Density : 70.96 kg/m³

Relative gas density : 0.07

(r) Particle characteristics : No data available

(s) Molecular mass : 2 g/mol
(t) Critical temperature : -239.9 °C
(u) Critical pressure : 1293 kPa
(v) Oxidizing properties : None.

(w) Relative evaporation rate (butylacetate=1)Relative evaporation rate (ether=1)Not applicable.

#### 9.2. Other information

Gas group : Refrigerated liquefied gas
Additional information : BURNS WITH INVISIBLE FLAME.

#### **SECTION 10: Stability and reactivity**

Reactivity : No reactivity hazard other than the effects described in sub-sections below.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Can form explosive mixture with air. May react violently with oxidants.

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EN (English - CA) SDS ID : E-4603 7/11



## Safety Data Sheet E-4603

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 10-15-1979 Revision date: 10-02-2023 Supersedes: 05-12-2023 Version: 1.1

Conditions to avoid : Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Incompatible materials : Oxidizer. Lithium. Halogens.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be

produced.

#### SECTION 11: Toxicological information

11.1 Likely routes of exposure : Inhalation. Skin contact. Eye contact.

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

: No additional information available

# 11.3 Delayed and immediate effects and chronic effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified
Skin corrosion/irritation : Not classified

pH: Not applicable.

Serious eye damage/irritation : Not classified

pH: Not applicable.

Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated : Not classified

exposure)

Aspiration hazard : Not classified

### 11.4 Toxicity

Hydrogen, refrigerated liquid ( \f )1333-74-0	
LC50 inhalation rat (ppm)	> 15000 ppm/1h

## **SECTION 12: Ecological information**

### 12.1. Toxicity

Ecology - general : No ecological damage caused by this product.

## 12.2. Persistence and degradability

H.	12.2. I el sistembe and degradability			
	Hydrogen, refrigerated liquid (1333-74-0)			
	Persistence and degradability	No ecological damage caused by this product.		

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EN (English - CA) SDS ID : E-4603 8/11



## Safety Data Sheet E-4603

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 10-15-1979 Revision date: 10-02-2023 Supersedes: 05-12-2023 Version: 1.1

#### 12.3. Bioaccumulative potential

Hydrogen, refrigerated liquid (1333-74-0)	
BCF - Fish [1]	(no bioaccumulation expected)
Log Pow	Not applicable.
Log Kow	Not applicable.
Bioaccumulative potential	No ecological damage caused by this product.

#### 12.4. Mobility in soil

lydrogen, refrigerated liquid (1333-74-0)	
Mobility in soil	No data available.
Log Pow	Not applicable.
Log Kow	Not applicable.
Ecology - soil	No ecological damage caused by this product.

#### 12.5. Other adverse effects

Other adverse effects : Can cause frost damage to vegetation.

Effect on the ozone layer : None.

Effect on global warming : No known effects from this product.

## **SECTION 13: Disposal considerations**

Product/Packaging disposal recommendations : Do not attempt to dispose of residual or unused quantities. Return container to supplier.

Dispose of contents/container in accordance with local/regional/national/international

regulations. Contact supplier for any special requirements.

## **SECTION 14: Transport information**

#### 14.1. Basic shipping description

In accordance with TDG

TDG

UN-No. (TDG) : UN1966

TDG Primary Hazard Classes : 2.1 - Class 2.1 - Flammable Gases
Proper shipping name : HYDROGEN, REFRIGERATED LIQUID

ERAP Index : 3 000
Explosive Limit and Limited Quantity Index : 0

Passenger Carrying Ship Index : Forbidden
Passenger Carrying Road Vehicle or Passenger : Forbidden

Carrying Railway Vehicle Index

## 14.2. Air and sea transport

**IMDG** 

UN-No. (IMDG) : 1966

Proper Shipping Name (IMDG) : HYDROGEN, REFRIGERATED LIQUID

Class (IMDG) : 2 - Gases MFAG-No : 115

**IATA** 

UN-No. (IATA) : 1966

Proper Shipping Name (IATA) : Hydrogen, refrigerated liquid

Class (IATA) : 2 - Gases

## **SECTION 15: Regulatory information**

### 15.1. National regulations

## Hydrogen, refrigerated liquid (1333-74-0)

Listed on the Canadian DSL (Domestic Substances List)

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EN (English - CA) SDS ID : E-4603 9/11



## Safety Data Sheet E-4603

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 10-15-1979 Revision date: 10-02-2023 Supersedes: 05-12-2023 Version: 1.1

#### 15.2. International regulations

#### Hydrogen, refrigerated liquid (1333-74-0)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on INSQ (Mexican National Inventory of Chemical Substances)

## **SECTION 16: Other information**

 Date of issue
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 : 02/10/2023

 Supersedes
 : 12/05/2023

Indication of changes:

Training advice

: The hazard of asphyxiation is often overlooked and must be stressed during operator training. Ensure operators understand the flammability hazard.

Other information

: When you mix two or more chemicals, you can create additional, unexpected hazards. Obtain and evaluate the safety information for each component before you produce the mixture. Consult an industrial hygienist or other trained person when you evaluate the end product. Before using any plastics, confirm their compatibility with this product.

Linde Canada asks users of this product to study this SDS and become aware of the product hazards and safety information. To promote safe use of this product, a user should (1) notify employees, agents, and contractors of the information in this SDS and of any other known product hazards and safety information, (2) furnish this information to each purchaser of the product, and (3) ask each purchaser to notify its employees and customers of the product hazards and safety information.

The opinions expressed herein are those of qualified experts within Linde Canada Inc. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and the conditions of use are not within the control of Linde Canada Inc, it is the user's obligation to determine the conditions of safe use of the product. Linde Canada Inc, SDSs are furnished on sale or delivery by Linde Canada Inc, or the independent distributors and suppliers who package and sell our products. To obtain current SDSs for these products, contact your Linde sales representative, local distributor, or supplier, or download from www.lindecanada.ca.

NFPA health hazard

3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA fire hazard

 4 - Will rapidly or completely vaporize at normal pressure and temperature, or is readily dispersed in air and will burn readily.

NFPA instability

0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health

: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

Flammability

: 4 Severe Hazard - Flammable gases, or very volatile flammable liquids with flash points below 73 F, and boiling points below 100 F. Materials may ignite spontaneously with air. (Class IA)

Physical

: 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

SDS Canada (GHS) - Linde NEW

EN (English - CA) SDS ID : E-4603 10/11



Safety Data Sheet E-4603 according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 10-15-1979 Revision date: 10-02-2023 Supersedes: 05-12-2023 Version: 1.1

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS ID: E-4603 EN (English - CA) 11/11