# SAFETY DATA SHEET



#### Halocarbon R-406A

### **Section 1. Identification**

**GHS** product identifier

Other means of identification

Product use Synonym

SDS#

Supplier's details

: Halocarbon R-406A

: Methyl propane / R-142b or Isotron-142b or chlorodifluoroethane or HCFC-142b / R-22 or Freon-22 or Genetron-22 or HCFC-22 / R-600a / R-406a / McCool R-406A

: Synthetic/Analytical chemistry.

: Methyl propane / R-142b or Isotron-142b or chlorodifluoroethane or HCFC-142b / R-22 or Freon-22 or Genetron-22 or HCFC-22 / R-600a / R-406a / McCool R-406A

: 011171

: Airgas USA, LLC and its affiliates 259 North Radnor-Chester Road

Suite 100

Radnor, PA 19087-5283

1-610-687-5253

Emergency telephone number (with hours of operation) : 1-866-734-3438

### Section 2. Hazards identification

**OSHA/HCS** status

: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

: GASES UNDER PRESSURE - Compressed gas

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -

Category 3

HAZARDOUS TO THE OZONE LAYER - Category 1

**GHS label elements** 

**Hazard pictograms** 





Signal word

: Warning

**Hazard statements** 

: Contains gas under pressure; may explode if heated. May displace oxygen and cause rapid suffocation.

May cause drowsiness and dizziness.

Harms public health and the environment by destroying ozone in the upper atmosphere.

**Precautionary statements** 

**General** 

: Read and follow all Safety Data Sheets (SDS'S) before use. Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand. Close valve after each use and when empty. Use equipment rated for cylinder pressure. Do not open valve until connected to equipment prepared for use. Use a back flow preventative device in the piping. Use only equipment of compatible materials of construction.

**Prevention** 

: Use only outdoors or in a well-ventilated area. Avoid breathing gas. Use and store only outdoors or in a well ventilated place.

Response

: 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.

Storage

: Store locked up. Protect from sunlight. Protect from sunlight when ambient temperature exceeds 52°C/125°F. Store in a well-ventilated place.

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### Section 2. Hazards identification

**Disposal** 

 Dispose of contents and container in accordance with all local, regional, national and international regulations. Refer to manufacturer/supplier for information on recovery/ recycling.

Hazards not otherwise classified

: In addition to any other important health or physical hazards, this product may displace oxygen and cause rapid suffocation.

### **Section 3. Composition/information on ingredients**

Substance/mixture

: Mixture

Other means of identification

: Methyl propane / R-142b or Isotron-142b or chlorodifluoroethane or HCFC-142b / R-22 or Freon-22 or Genetron-22 or HCFC-22 / R-600a / R-406a / McCool R-406A

#### **CAS** number/other identifiers

**CAS number** : Not applicable.

Product code : 011171

Ingredient name	%	CAS number
chlorodifluoromethane	55	75-45-6
Chlorodifluoroethane	41	75-68-3
isobutane	4	75-28-5

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

#### **Description of necessary first aid measures**

**Eye contact** 

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Inhalation

: 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. 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.

**Skin contact** 

: 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.

Ingestion

: As this product is a gas, refer to the inhalation section.

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

Eye contact

: Contact with rapidly expanding gas may cause burns or frostbite.

Inhalation

: Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Skin contact

: Contact with rapidly expanding gas may cause burns or frostbite.

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### Section 4. First aid measures

: Try to warm up the frozen tissues and seek medical attention.

Ingestion

: Can cause central nervous system (CNS) depression. As this product is a gas, refer to the inhalation section.

#### Over-exposure signs/symptoms

**Eye contact** 

: No specific data.

Inhalation

: Adverse symptoms may include the following:

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness

**Skin contact** Ingestion

: No specific data. : No specific data.

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

Notes to physician

: 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.

Specific treatments

**Protection of first-aiders** 

: 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

#### **Extinguishing media**

Suitable extinguishing

media

: Use an extinguishing agent suitable for the surrounding fire.

: Decomposition products may include the following materials:

**Unsuitable extinguishing** 

media

: None known.

Specific hazards arising from the chemical

**Hazardous thermal** 

: Contains gas under pressure. In a fire or if heated, a pressure increase will occur and the container may burst or explode.

decomposition products

carbon dioxide

carbon monoxide halogenated compounds

carbonyl halides

**Special protective actions** for fire-fighters

: 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.

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

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### Section 6. Accidental release measures

#### 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. Avoid breathing gas. 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 nonemergency personnel".

**Environmental precautions** 

: 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). May be harmful to the environment if released in large quantities.

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

**Small spill** 

: Immediately contact emergency personnel. Stop leak if without risk.

Large spill

: Immediately contact emergency personnel. Stop leak if without risk. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### Section 7. Handling and storage

#### Precautions for safe handling

**Protective measures** 

: Put on appropriate personal protective equipment (see Section 8). Contains gas under pressure. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid release to the environment. Refer to special instructions/safety data sheet. Use only 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. Use equipment rated for cylinder pressure. Close valve after each use and when empty. Protect cylinders from physical damage; do not drag, roll, slide, or drop. Use a suitable hand truck for cylinder movement.

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.

including any incompatibilities

**Conditions for safe storage**, : 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. Keep container tightly closed and sealed until ready for use. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Cylinder temperatures should not exceed 52 °C (125 °F).

## Section 8. Exposure controls/personal protection

**Control parameters** 

**Occupational exposure limits** 

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## Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
chlorodifluoromethane	ACGIH TLV (United States, 3/2012).  TWA: 3540 mg/m³ 8 hours.  TWA: 1000 ppm 8 hours.  NIOSH REL (United States, 1/2013).  STEL: 4375 mg/m³ 15 minutes.  STEL: 1250 ppm 15 minutes.  TWA: 3500 mg/m³ 10 hours.  TWA: 1000 ppm 10 hours.  OSHA PEL 1989 (United States, 3/1989).
	TWA: 3500 mg/m³ 8 hours. TWA: 1000 ppm 8 hours.
Chlorodifluoroethane	AIHA WEEL (United States, 10/2011). TWA: 1000 ppm 8 hours.

# 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.

# **Environmental exposure** controls

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

#### Individual protection measures

**Hygiene measures** 

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### **Eye/face protection**

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

# 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.

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## Section 9. Physical and chemical properties

**Appearance** 

**Physical state** Gas.

Color : Not available.

: -130.8°C (-203.4°F) This is based on data for the following ingredient: 1-chloro-1, Melting/freezing point

1-difluoroethane. Weighted average: -146.6°C (-231.9°F)

Critical temperature : Lowest known value: 96.2°C (205.2°F) (chlorodifluoromethane).

Odor : Not available. **Odor threshold** : Not available. Hq : Not available. Flash point : Not available. : Not applicable. **Burning time** : Not applicable. **Burning rate** : Not available. **Evaporation rate** : Not available. Flammability (solid, gas)

Lower and upper explosive

(flammable) limits

: Not available.

: Not available. Vapor pressure

Vapor density : Highest known value: 3.5 (Air = 1) (1-chloro-1,1-difluoroethane). Weighted average: 3.

17 (Air = 1)

Gas Density (lb/ft 3) : Weighted average: 0.25

**Relative density** : Not applicable. Solubility Not available. Solubility in water Not available. Partition coefficient: n-: Not available. octanol/water

**Auto-ignition temperature** : Not available. **Decomposition temperature** : Not available. **SADT** : Not available. **Viscosity** : Not applicable.

## Section 10. Stability and reactivity

: No specific test data related to reactivity available for this product or its ingredients. Reactivity

Chemical stability : The product is stable.

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatibility with various

substances

: Highly reactive or incompatible with the following materials: metals and moisture.

**Hazardous decomposition** 

products

: Under normal conditions of storage and use, hazardous decomposition products should

not be produced.

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# Section 10. Stability and reactivity

: Under normal conditions of storage and use, hazardous polymerization will not occur. **Hazardous polymerization** 

## **Section 11. Toxicological information**

#### Information on toxicological effects

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Chlorodifluoroethane	LC50 Inhalation Vapor	Rat	2050000 mg/m <sup>3</sup>	4 hours

#### **Irritation/Corrosion**

Not available.

#### **Sensitization**

Not available.

#### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

#### Classification

Product/ingredient name	OSHA	IARC	NTP
chlorodifluoromethane	-	3	-

#### **Reproductive toxicity**

Not available.

#### **Teratogenicity**

Not available.

#### Specific target organ toxicity (single exposure)

Name		Route of exposure	Target organs
Chlorodifluoroethane	Category 3	Not applicable.	Narcotic effects

### Specific target organ toxicity (repeated exposure)

Not available.

#### **Aspiration hazard**

Not available.

Information on the likely routes of exposure

: Not available.

Potential acute health effects

**Eye contact** 

: Contact with rapidly expanding gas may cause burns or frostbite.

Inhalation

: Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness. Exposure to decomposition products may cause a health hazard. Serious

effects may be delayed following exposure.

**Skin contact** 

: Contact with rapidly expanding gas may cause burns or frostbite.

Ingestion

: Can cause central nervous system (CNS) depression. As this product is a gas, refer to the inhalation section.

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# Section 11. Toxicological information

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

**Eye contact** : No specific data.

**Inhalation** : Adverse symptoms may include the following:

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness

Skin contact : No specific data.
Ingestion : No specific data.

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

**Short term exposure** 

**Potential immediate** 

effects

: Not available.

Potential delayed effects

: Not available.

**Long term exposure** 

**Potential immediate** 

: Not available.

effects

Potential delayed effects : Not available.

#### Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.
 Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Teratogenicity : No known significant effects or critical hazards.
 Developmental effects : No known significant effects or critical hazards.
 Fertility effects : No known significant effects or critical hazards.

#### **Numerical measures of toxicity**

**Acute toxicity estimates** 

Not available.

### Section 12. Ecological information

#### **Toxicity**

Not available.

#### Persistence and degradability

Not available.

#### **Bioaccumulative potential**

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# **Section 12. Ecological information**

ogP <sub>ow</sub>	BCF	Potential
11 to 1.16	-	low low
_		1 to 1.16 -

**Mobility in soil** 

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

### Section 13. Disposal considerations

**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. Empty Airgas-owned pressure vessels should be returned to Airgas. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

### **Section 14. Transport information**

	DOT	TDG	Mexico	IMDG	IATA
UN number	UN1078	UN1078	UN1078	UN1078	UN1078
UN proper shipping name	REFRIGERANT GAS, N.O.S. (chlorodifluoromethane, chlorodifluoroethane)	REFRIGERANT GAS, N.O.S. (chlorodifluoromethane, chlorodifluoroethane)	REFRIGERANT GAS, N.O.S. (chlorodifluoromethane, chlorodifluoroethane)	REFRIGERANT GAS, N.O.S. (chlorodifluoromethane, chlorodifluoroethane)	REFRIGERANT GAS, N.O.S. (chlorodifluoromethane, chlorodifluoroethane)
Transport hazard class(es)	2.2	2.2	2.2	2.2	2.2
Packing group	-	-	-	-	-
Environment	No.	No.	No.	No.	No.
Additional information	-	Explosive Limit and Limited Quantity Index 0.125  Passenger Carrying Road or Rail Index 75	-	-	-

<sup>&</sup>quot;Refer to CFR 49 (or authority having jurisdiction) to determine the information required for shipment of the product."

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.

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## **Section 14. Transport information**

Transport in bulk according: Not available.

to Annex II of MARPOL 73/78 and the IBC Code

### Section 15. Regulatory information

U.S. Federal regulations

: TSCA 8(a) CDR Exempt/Partial exemption: Not determined

TSCA 12(b) annual export notification: chlorodifluoromethane; 1-chloro-1,

1-difluoroethane

United States inventory (TSCA 8b): All components are listed or exempted. Clean Air Act (CAA) 112 regulated flammable substances: Isobutane

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** 

: Listed

**DEA List I Chemicals** 

: Not listed

(Precursor Chemicals)

**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 : Sudden release of pressure

Immediate (acute) health hazard

### **Composition/information on ingredients**

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
chlorodifluoromethane	55	No.		No.	No.	No.
Chlorodifluoroethane	41	Yes.		No.	Yes.	No.

#### **SARA 313**

	Product name	CAS number	%
Form R - Reporting requirements	chlorodifluoromethane	75-45-6	55
	1-chloro-1,1-difluoroethane	75-68-3	41
Supplier notification	chlorodifluoromethane	75-45-6	55
	1-chloro-1,1-difluoroethane	75-68-3	41

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** : The following components are listed: CHLORODIFLUOROMETHANE; DIFLUORO-

1-CHLOROETHANE; ISOBUTANE

**New York** : The following components are listed: Chlorodifluoromethane

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# Section 15. Regulatory information

**New Jersey** 

: The following components are listed: CHLORODIFLUOROMETHANE; HALTRON 22; CHLORODIFLUOROETHANE; 1-CHLORO-1,1-DIFLUOROETHANE; Isobutane; PROPANE. 2-METHYL-

**Pennsylvania** 

: The following components are listed: METHANE, CHLORODIFLUORO-; ETHANE, 1-CHLORO-1,1-DIFLUORO-; PROPANE, 2-METHYL-

Canada inventory

**International regulations** 

International lists

: All components are listed or exempted.

: Australia inventory (AICS): All components are listed or exempted. China inventory (IECSC): All components are listed or exempted.

Japan inventory: All components are listed or exempted. Korea inventory: All components are listed or exempted. Malaysia Inventory (EHS Register): Not determined.

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

Philippines inventory (PICCS): All components are listed or exempted.

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

#### Canada

WHMIS (Canada) : Class A: Compressed gas.

CEPA Toxic substances: The following components are listed: Chlorofluorocarbon;

Chlorofluorocarbon

Canadian ARET: None of the components are listed.

Canadian NPRI: The following components are listed: HCFC-22; HCFC-142b; Butane

(all isomers)

Alberta Designated Substances: None of the components are listed.

Ontario Designated Substances: None of the components are listed.

Quebec Designated Substances: None of the components are listed.

### Section 16. Other information

Canada Label requirements : Class A: Compressed gas.

**Hazardous Material Information System (U.S.A.)** 



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

**National Fire Protection Association (U.S.A.)** 

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### Section 16. Other information



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

#### **History**

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**Key to abbreviations** : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships,

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United NationsACGIH – American Conference of Governmental Industrial

Hygienists

AIHA - American Industrial Hygiene Association

CAS - Chemical Abstract Services

CEPA - Canadian Environmental Protection Act

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

(EPA)

CFR – United States Code of Federal Regulations

CPR – Controlled Products Regulations DSL – Domestic Substances List GWP – Global Warming Potential

IARC – International Agency for Research on Cancer ICAO – International Civil Aviation Organisation

Inh - Inhalation

LC – Lethal concentration LD – Lethal dosage

NDSL - Non-Domestic Substances List

NIOSH - National Institute for Occupational Safety and Health

TDG – Canadian Transportation of Dangerous Goods Act and Regulations

TLV - Threshold Limit Value

TSCA - Toxic Substances Control Act

WEEL - Workplace Environmental Exposure Level

WHMIS - Canadian Workplace Hazardous Material Information System

References : Not available.

Indicates information that has changed from previously issued version.

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### Section 16. Other information

Other special considerations
Notice to reader

: WARNING: Contains (Chlorodifluoromethane, Chlorodifluoroethane), a substance which harms the public health and environment by destroying ozone in the upper atmosphere.

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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