# **SAFETY DATA SHEET**



Nonflammable Gas Mixture: 2,3-Dimethylbutane / Carbon Dioxide / Ethane / Hexane / Hydrogen Sulfide / Isobutane / Isopentane / Methane / N-Butane / N-Pentane /

Nitrogen / Propane

### Section 1. Identification

GHS product identifier	: Nonflammable Gas Mixture: 2,3-Dimethylbutane / Carbon Dioxide / Ethane / Hexane / Hydrogen Sulfide / Isobutane / Isopentane / Methane / N-Butane / N-Pentane / Nitrogen / Propane
Other means of identification	: Not available.
Product use	: Synthetic/Analytical chemistry.
SDS #	: 012914
Supplier's details	: 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 AQUATIC HAZARD (ACUTE) - Category 3
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 increase respiration and heart rate. Harmful to aquatic life.
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. Do not depend on odor to detect presence of gas.
Prevention	: Avoid release to the environment. Use and store only outdoors or in a well ventilated place.
Response	: Not applicable.
Storage	<ul> <li>Protect from sunlight. Protect from sunlight when ambient temperature exceeds 52°C/125°F. Store in a well-ventilated place.</li> </ul>

### Section 2. Hazards identification

Dis	posal
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: Dispose of contents and container in accordance with all local, regional, national and international regulations.

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	: Not available.
identification	

#### CAS number/other identifiers

CAS number	:	Not applicable.
Product code	:	012914

Ingredient name	%	CAS number
Carbon Dioxide	85.96 - 99	124-38-9
methane	0.0001 - 6	74-82-8
ethane	0.0001 - 4	74-84-0
Nitrogen	0.0001 - 2	7727-37-9
hydrogen sulphide	0.0001 - 0.5	7783-06-4
Propane	0.0001 - 0.5	74-98-6
Butane	0.0001 - 0.5	106-97-8
isobutane	0.0001 - 0.3	75-28-5
pentane	0.0001 - 0.1	109-66-0
isopentane	0.0001 - 0.1	78-78-4
n-hexane	0.0001 - 0.02	110-54-3
2,3-dimethylbutane	0.0001 - 0.02	79-29-8

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	<ul> <li>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.</li> </ul>
Inhalation	: 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.
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

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### Section 4. First aid measures

Potential acute health effe	<u>cts</u>
Eye contact	: Contact with rapidly expanding gas may cause burns or frostbite.
Inhalation	<ul> <li>Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.</li> </ul>
Skin contact	: Contact with rapidly expanding gas may cause burns or frostbite.
Frostbite	: Try to warm up the frozen tissues and seek medical attention.
Ingestion	: As this product is a gas, refer to the inhalation section.
Over-exposure signs/sym	<u>otoms</u>
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
Indication of immediate me	dical attention and special treatment needed, if necessary
Notes to physician	<ul> <li>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.</li> </ul>
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

### See toxicological information (Section 11)

### Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
Specific hazards arising from the chemical	: Contains gas under pressure. In a fire or if heated, a pressure increase will occur and the container may burst or explode. This material is harmful to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
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

<u>Personal precautions, protective equipment and emergency procedures</u>
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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 non-emergency 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). Water polluting material. 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. 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.
Conditions for safe storage, including any incompatibilities	: 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. 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

### Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits		
hydrogen sulphide	ACGIH TLV (United States, 3/2012). STEL: 5 ppm 15 minutes. TWA: 1 ppm 8 hours. NIOSH REL (United States, 1/2013). CEIL: 15 mg/m <sup>3</sup> 10 minutes. CEIL: 10 ppm 10 minutes. OSHA PEL 1989 (United States, 3/1989) STEL: 21 mg/m <sup>3</sup> 15 minutes. STEL: 15 ppm 15 minutes. TWA: 14 mg/m <sup>3</sup> 8 hours. TWA: 10 ppm 8 hours. OSHA PEL Z2 (United States, 11/2006). AMP: 50 ppm 10 minutes. CEIL: 20 ppm		
pentane	ACGIH TLV (United States, 3/2012). TWA: 600 ppm 8 hours. NIOSH REL (United States, 1/2013). CEIL: 1800 mg/m <sup>3</sup> 15 minutes. CEIL: 610 ppm 15 minutes. TWA: 350 mg/m <sup>3</sup> 10 hours. TWA: 120 ppm 10 hours. OSHA PEL (United States, 6/2010). TWA: 2950 mg/m <sup>3</sup> 8 hours. TWA: 1000 ppm 8 hours. OSHA PEL 1989 (United States, 3/1989). STEL: 2250 mg/m <sup>3</sup> 15 minutes. STEL: 750 ppm 15 minutes. TWA: 1800 mg/m <sup>3</sup> 8 hours. TWA: 600 ppm 8 hours.		

Appropriate engineering controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measure	
Hygiene measures	<ul> <li>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.</li> <li>Appropriate techniques should be used to remove potentially contaminated clothing.</li> <li>Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.</li> </ul>
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	

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### Section 8. Exposure controls/personal protection

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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	<ul> <li>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.</li> </ul>
Other skin protection	<ul> <li>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.</li> </ul>
Respiratory protection	: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

<u>Appearance</u>	
Physical state	: Gas.
Color	: Not available.
Melting/freezing point	<ul> <li>-187.6°C (-305.7°F) This is based on data for the following ingredient: methane. Weighted average: -191.34°C (-312.4°F)</li> </ul>
Critical temperature	: Lowest known value: -146.95°C (-232.5°F) (nitrogen).
Odor	: Not available.
Odor threshold	: Not available.
рН	: Not available.
Flash point	: Not available.
Burning time	: Not applicable.
Burning rate	: Not applicable.
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Highest known value: 1.5 (Air = 1) (Carbon dioxide). Weighted average: 1.43 (Air = 1)
Gas Density (lb/ft <sup>3</sup> )	: Weighted average: 0.12
Relative density	: Not applicable.
Solubility	: Not available.
Solubility in water	: Not available.
Partition coefficient: n- octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
SADT	: Not available.
Viscosity	: Not applicable.

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### Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
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	: Not considered to be reactive according to our database.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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

### Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
, , , , , , , , , , , , , , , , , , , ,	LC50 Inhalation Gas. LC50 Inhalation Gas.		712 ppm 444 ppm	1 hours 4 hours
	LC50 Inhalation Vapor			4 hours

#### Irritation/Corrosion

Not available.

#### Sensitization

Not available.

#### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

#### **Reproductive toxicity**

Not available.

#### **Teratogenicity**

Not available.

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

Name	Category	Route of exposure	Target organs
hydrogen sulphide	Category 3	Not applicable.	Respiratory tract irritation
pentane	Category 3	Not applicable.	Narcotic effects
Specific target organ toxicity (repeated exposure)			

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### Section 11. Toxicological information

#### Not available.

#### Aspiration hazard

ſ	Name	Result
Ī	pentane	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure	: Not available.
Potential acute health effect	
Eye contact	: Contact with rapidly expanding gas may cause burns or frostbite.
Inhalation	: 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	: As this product is a gas, refer to the inhalation section.
Symptoms related to the phy	sical, chemical and toxicological characteristics
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
Delayed and immediate effe	ts and also chronic effects from short and long term exposure
Short term exposure	<u> </u>
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate	: Not available.

### 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.
<b>Developmental effects</b>	: No known significant effects or critical hazards.

#### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

**Fertility effects** 

effects

: No known significant effects or critical hazards.

### Section 12. Ecological information

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Product/ingredient name	Result	Species	Exposure
hydrogen sulphide	Acute LC50 2 µg/l Fresh water	Fish - Coregonus clupeaformis - Yolk-sac fry	96 hours

#### Persistence and degradability

Not available.

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
pentane	3.45	171	low

#### Mobility in soil

Soil/water partition	: Not available.
coefficient (Koc)	

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	ΙΑΤΑ
UN number	UN1956	UN1956	UN1956	UN1956	UN1956
UN proper shipping name	COMPRESSED GAS, N.O.S. (Carbon dioxide, nitrogen)				
Transport hazard class(es)	2.2	2.2	2.2	2.2	2.2
Packing group	-	-	-	-	-
Environment	No.	No.	No.	No.	No.
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### Section 14. Transport information

Reportable quantity	Explosive Limit and	-	-	-
20000 lbs / 9080 kg	Limited Quantity Index			
Package sizes shipped	0.125			
in quantities less than				
the product reportable	Passenger Carrying			
quantity are not subject	Road or Rail Index			
	75			
quantity) transportation				
requirements.				
	20000 lbs / 9080 kg Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation	20000 lbs / 9080 kgLimited Quantity IndexPackage sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation0.125Passenger Carrying Road or Rail Index 75	20000 lbs / 9080 kgLimited Quantity IndexPackage sizes shipped0.125in quantities less than0.125the product reportablePassenger Carryingquantity are not subjectRoad or Rail Indexto the RQ (reportable75	20000 lbs / 9080 kgLimited Quantity IndexPackage sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportationD.125Passenger Carrying Road or Rail Index 75Passenger Carrying Road or Rail Index 75

"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.

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) PAIR: pentane
	TSCA 8(a) CDR Exempt/Partial exemption: Not determined
	United States inventory (TSCA 8b): All components are listed or exempted.
	Clean Water Act (CWA) 311: hydrogen sulphide
	Clean Air Act (CAA) 112 regulated flammable substances: ethane; methane
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	: Not listed
Clean Air Act Section 602 Class I Substances	: Not listed
Clean Air Act Section 602 Class II Substances	: Not listed
DEA List I Chemicals (Precursor Chemicals)	: Not listed
DEA List II Chemicals (Essential Chemicals)	: Not listed
<u>SARA 302/304</u>	

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

								SARA 302 TPQ		SARA 304 RQ	
Name		%	EHS	(lbs)	(gallons)	(lbs)	(gallons)				
hydrogen sulphide		0.0001 - 0. 5	Yes.	500	-	100	-				
SARA 304 RQ SARA 311/312	: 20000 lbs / 908	30 kg			·		·				
Classification	: Sudden release	e of pressure									

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### Section 15. Regulatory information

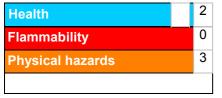
Name	%		Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
hydrogen sulphide	0.0001 - 0. 5	Yes.	Yes.	No.	Yes.	No.
pentane	0.0001 - 0. 1	Yes.	No.	No.	Yes.	No.

#### State regulations **Massachusetts** : The following components are listed: CARBON DIOXIDE; NITROGEN; ETHANE; METHANE **New York** : None of the components are listed. The following components are listed: CARBON DIOXIDE; CARBONIC ACID GAS; **New Jersey** NITROGEN; ETHANE; METHANE : The following components are listed: CARBON DIOXIDE; NITROGEN; ETHANE; **Pennsylvania** METHANE **Canada inventory** : All components are listed or exempted. International regulations International lists : Australia inventory (AICS): All components are listed or exempted. China inventory (IECSC): All components are listed or exempted. Japan inventory: Not determined. 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** : Not listed **Convention List Schedule** I Chemicals : Not listed **Chemical Weapons Convention List Schedule** II Chemicals **Chemical Weapons** : Not listed **Convention List Schedule III Chemicals** Canada WHMIS (Canada) : Class A: Compressed gas. **CEPA Toxic substances**: The following components are listed: Carbon dioxide; Volatile organic compounds; Methane Canadian ARET: None of the components are listed. Canadian NPRI: The following components are listed: Volatile organic compounds; Volatile organic compounds 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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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.

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Key to abbreviations	<ul> <li>ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = 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</li> </ul>
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### Section 16. Other information

**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 : Not available.

#### References

Indicates information that has changed from previously issued version.

#### Notice to reader

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.