## SAFETY DATA SHEET



Oxidizing Gas Mixture: Desflurane / Nitrogen / Nitrous Oxide / Oxygen

### Section 1. Identification

GHS product identifier	: Oxidizing Gas Mixture: Desflurane / Nitrogen / Nitrous Oxide / Oxygen
Other means of identification	: Not available.
Product use	: Synthetic/Analytical chemistry.
SDS #	: 008399
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	: 1-866-734-3438

number (with hours of operation)

### 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	: OXIDIZING GASES - Category 1 GASES UNDER PRESSURE - Compressed gas RESPIRATORY SENSITIZATION - Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
GHS label elements	
Hazard pictograms	
Signal word	: Danger
Hazard statements	<ul> <li>May cause or intensify fire; oxidizer.</li> <li>Contains gas under pressure; may explode if heated.</li> <li>May cause allergy or asthma symptoms or breathing difficulties if inhaled.</li> <li>May cause drowsiness and dizziness.</li> </ul>
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. Open valve slowly. Use only with equipment cleaned for Oxygen service.
Prevention	: In case of inadequate ventilation wear respiratory protection. Keep away from clothing, incompatible materials and combustible materials. Keep reduction valves free from grease and oil. Use only outdoors or in a well-ventilated area. Avoid breathing gas. Use and store only outdoors or in a well ventilated place.

### Section 2. Hazards identification

Section 3. Composition/information on ingredients		
Hazards not otherwise classified	: None known.	
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.	
Storage	<ul> <li>Store locked up. Protect from sunlight. Protect from sunlight when ambient temperature exceeds 52°C/125°F. Store in a well-ventilated place.</li> </ul>	
Response	: In case of fire: Stop leak if safe to do so. 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. If experiencing respiratory symptoms: Call a POISON CENTER or CENTER or physician.	

# Substance/mixture : Mixture Other means of : Not available. identification : Not available.

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

CAS number	: Not applicable.
Product code	: 008399

Ingredient name	%	CAS number
50	23.5 - 99	7782-44-7
Nitrogen	1 - 76.5	7727-37-9
nitrous oxide	0.0001 - 76.5	10024-97-2
desflurane	0.1 - 9.99	57041-67-5

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	<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.</li> </ul>
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. In the event of any complaints or symptoms, avoid further exposure.
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 ef	fects	
Eye contact	: May cause eye irritation. Contact with rapidly expanding gas may cause burns or frostbite.	
Inhalation	Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.	
Skin contact	: May cause skin irritation. Contact with rapidly expanding gas may cause burns or frostbite.	
Frostbite	: 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.	
<u>Over-exposure signs/sy</u>	nptoms	
Eye contact	: No specific data.	
Inhalation	: Adverse symptoms may include the following: wheezing and breathing difficulties asthma nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness	
Skin contact	: No specific data.	
Ingestion	: No specific data.	
Indication of immediate m	edical 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. 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.
Unsuitable extinguishing media	: None known.
Specific hazards arising from the chemical	: Contains gas under pressure. Oxidizing material. This material increases the risk of fire and may aid combustion. Contact with combustible material may cause fire. In a fire or if heated, a pressure increase will occur and the container may burst or explode.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
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### Section 5. Fire-fighting measures

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. If involved in fire, shut off flow immediately if it can be done without risk.
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.

### Section 6. Accidental release measures

Personal precautions, protec	<u>tiv</u>	e 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. 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.
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).
Methods and materials for co	nt	ainment and cleaning up
Small spill	:	Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment.
Large spill	:	Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment. 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). Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Contains gas under pressure. Do not get in eyes or on skin or clothing. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep away from clothing, incompatible materials and combustible materials. Keep reduction valves free from grease and oil. 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 soccupational 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.

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### Section 7. Handling and storage

Conditions for safe storage	: Store in accordance with local regulations. Store in a segregated and approved area.
including any	Store away from direct sunlight in a dry, cool and well-ventilated area, away from
incompatibilities	incompatible materials (see Section 10). Store locked up. Separate from acids, alkalies, reducing agents and combustibles. 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** 

Ingredient name	Exposure limits
nitrous oxide	ACGIH TLV (United States, 6/2013). TWA: 90 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours. NIOSH REL (United States, 4/2013). TWA: 46 mg/m <sup>3</sup> 10 hours. TWA: 25 ppm 10 hours.

Appropriate engineering	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or
controls	other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Environmental exposure	. Emissions from ventilation or work process equipment should be checked to ensure

**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 side-shields.					
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	<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	: 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.					
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### Section 8. Exposure controls/personal protection

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Respiratory protection
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: 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>-90.8°C (-131.4°F) This is based on data for the following ingredient: dinitrogen oxide. Weighted average: -177.12°C (-286.8°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: 1.53 (Air = 1) (dinitrogen oxide). Weighted average: 1.19 (Air = 1)
Gas Density (lb/ft <sup>3</sup> )	: Weighted average: 0.08
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.

### Section 10. Stability and reactivity

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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	: Hazardous reactions or instability may occur under certain conditions of storage or use. Conditions may include the following: contact with combustible materials Reactions may include the following: risk of causing fire

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### Section 10. Stability and reactivity

Conditions to avoid	1	No specific data.
Incompatibility with various substances	:	Extremely reactive or incompatible with the following materials: reducing materials and combustible materials.
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

Not available.

#### Irritation/Corrosion

Not available.

#### **Sensitization**

Not available.

#### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

#### **Classification**

Product/ingredient name	OSHA	IARC	NTP
nitrous oxide	-	3	-

#### **Reproductive toxicity**

Not available.

#### **Teratogenicity**

Not available.

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

Name	Category	Route of exposure	Target organs
nitrous oxide	Category 3	The second se	Narcotic effects
desflurane	Category 3		Narcotic effects

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

Not available.

#### Aspiration hazard

Not available.

#### Information on the likely : Not available. routes of exposure

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### Section 11. Toxicological information

#### Potential acute health effects

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Eye contact	<ul> <li>May cause eye irritation. Contact with rapidly expanding gas may cause burns or frostbite.</li> </ul>
Inhalation	<ul> <li>Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.</li> </ul>
Skin contact	<ul> <li>May cause skin irritation. Contact with rapidly expanding gas may cause burns or frostbite.</li> </ul>
Ingestion	: Can cause central nervous system (CNS) depression. As this product is a gas, refer to the inhalation section.
Symptoms related to t	he physical, chemical and toxicological characteristics
Eye contact	: No specific data.
Inhalation	: Adverse symptoms may include the following: wheezing and breathing difficulties asthma nausea or vomiting headache drowsiness/fatigue

	dizziness/vertigo	
	unconsciousness	
Skin contact	: No specific data.	
Ingestion	: No specific data.	

<u>.15</u>	and also chronic effects from short and long term exposure
:	Not available.
:	Not available.
:	Not available.
:	Not available.
ect	<u>s</u>
:	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
	No known significant effects or critical hazards.
	No known significant effects or critical hazards.
:	-
:	No known significant effects or critical hazards.
	: : : : :

#### Numerical measures of toxicity

Acute toxicity estimates Not available.

### Section 12. Ecological information

#### **Toxicity**

Not available.

#### Persistence and degradability

Not available.

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
nitrous oxide	0.36	-	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
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	DOT	TDG	Mexico	IMDG	IATA
UN number	UN3156	UN3156	UN3156	UN3156	UN3156
UN proper shipping name	COMPRESSED GAS, OXIDIZING, N.O.S. (oxygen, nitrogen)				
Transport hazard class(es)	2.2 (5.1)	2.2 (5.1)	2.2 (5.1)	2.2 (5.1)	2.2 (5.1)
Packing group	-	-	-	-	-
Environment No. No.		No.	No.	No.	No.
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### Section 14. Transport information

Additional	-	Explosive Limit and	-	-	-
information		Limited Quantity Index 0			
		ERAP Index 3000			
		Passenger Carrying Ship Index Forbidden			
		Passenger 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

J.S. Federal regulations	: TSCA 8(a) CDR Exempt/Partial exemption: Not determined
	United States inventory (TSCA 8b): Not determined.
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
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

Date of previous issue

### Section 15. Regulatory information

	Name	%	hazard	Sudden release of pressure	Reactive	(acute) health	Delayed (chronic) health hazard
r	nitrous oxide	0.0001 - 76.5	No.	Yes.	No.	Yes.	No.
C	desflurane	0.1 - 9.99	No.	No.	No.	Yes.	No.

#### **State regulations**

Massachusetts	<ul> <li>The following components are listed: NITROUS OXIDE; OXYGEN (LIQUID); NITROGEN</li> </ul>
New York	: None of the components are listed.
New Jersey	<ul> <li>The following components are listed: NITROUS OXIDE; NITROGEN OXIDE (N2O); OXYGEN; NITROGEN</li> </ul>

#### Pennsylvania

: The following components are listed: NITROUS OXIDE; OXYGEN; NITROGEN

#### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name		Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level No.	
dinitrogen oxide		No.	Yes.	No.		
Canada inventory	: Not de	etermined.				
nternational regulations						
China i Japan Korea Malays New Ze Philipp		inventory (IEC inventory: No inventory: No sia Inventory ( cealand Inventory pines inventor)	t determined. <b>(EHS Register)</b> : Not	determined. <b>VZIOC)</b> : Not determined prmined.		
Chemical Weapons Convention List Schedule I Chemicals	: Not lis	ted				
Chemical Weapons Convention List Schedule II Chemicals	: Not lis	ted				
Chemical Weapons Convention List Schedule III Chemicals	: Not lis	ted				
<u>Canada</u>						
WHMIS (Canada)		A: Compressed C: Oxidizing ma	0			

Class C: Oxidizing material. Class D-2A: Material causing other toxic effects (Very toxic).

### Section 15. Regulatory information

CEPA Toxic substances: The following components are listed: Nitrous oxide
Canadian ARET: None of the components are listed.
Canadian NPRI: The following components are listed: Nitrogen oxides (expressed as nitrogen dioxide)
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. Class C: Oxidizing material. Class D-2A: Material causing other toxic effects (Very toxic).

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

Health	1	
Flammability	0	
Physical hazards	3	

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.

<u>History</u>	
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### Section 16. Other information

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.

**V** 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.