SAFETY DATA SHEET



Flammable Gas Mixture: Argon / Ethane / Ethylene / Helium / Isobutane / Methane / N-Butane / Nitrogen / Propane / Propylene

Section 1. Identification

GHS product identifier	: Flammable Gas Mixture: Argon / Ethane / Ethylene / Helium / Isobutane / Methane / N- Butane / Nitrogen / Propane / Propylene
Other means of identification	: Not available.
Product use	: Synthetic/Analytical chemistry.
SDS #	: 008497
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

Response : Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so. Storage : Protect from sunlight. Protect from sunlight when ambient temperature exceeds 52°C/125°F. Store in a well-ventilated place. Disposal : Not applicable.		
substance or mixture GASES UNDER PRESSURE - Compressed gas GHS label elements Hazard pictograms Hazard pictograms : Signal word : Danger Hazard statements Hazard statements : Extremely flammable gas. May form explosive mixtures with air. Contains gas under pressure; may explode if heated. May displace oxygen and cause rapid suffocation. 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 uniti connected to equipment of compatible materials of construction. Approach suspected leak area with caution. Prevention : Prevention : : Never Put cylinders into unventilated areas of passenger vehicles. Keep away from heat, sparks, open flames and hot surfaces No smoking. Use and store only outdoo or in a well ventilated place. Response : Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so. Storage : Protect from sunlight. Protect from sunlight when ambient temperature exceeds 52°C/125°F. Store in a well-ventilated place. Disposal	OSHA/HCS status	
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Storage : Protect from sunlight. Protect from sunlight when ambient temperature exceeds 52°C/125°F. Store in a well-ventilated place. Disposal : Not applicable.	Prevention	heat, sparks, open flames and hot surfaces No smoking. Use and store only outdoors
52°C/125°F. Store in a well-ventilated place. Disposal : Not applicable.	Response	
	Storage	
Date of issue/Date of revision : 2/10/2015. Date of previous issue : No previous validation. Version : 0.01 1/2	Disposal	: Not applicable.
	Date of issue/Date of revision	: 2/10/2015. Date of previous issue : No previous validation. Version : 0.01 1/13

Section 2. Hazards identification

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	: Not available.
Identification	

	CAS	number/	other i	dentifiers
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CAS number	: Not applicable.
Product code	: 008497

ngredient name	%	CAS number	
Helium	54 - 94	7440-59-7	
Nitrogen	1 - 10	7727-37-9	
ethane	0.8 - 5	74-84-0	
sobutane	0.9 - 5	75-28-5	
nethane	1 - 5	74-82-8	
Butane	1 - 5	106-97-8	
Propane	0.8 - 5	74-98-6	
propene	0.5 - 5	115-07-1	
ethylene	1 - 5	74-85-1	
Argon	0.1 - 1	7440-37-1	

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 f	<mark>irst a</mark> i	<u>d measures</u>					
Eye contact	:	Immediately flush eyes wi eyelids. Check for and re minutes. Get medical atte	move any cont	tact lenses. Continue			
Inhalation	:	Remove victim to fresh air not breathing, if breathing respiration or oxygen by tr aid to give mouth-to-mout persist or are severe. If u attention immediately. Ma tie, belt or waistband. In o symptoms may be delayer surveillance for 48 hours.	is irregular or ained personr h resuscitation nconscious, pl aintain an oper case of inhalati	if respiratory arrest oc nel. It may be dangero n. Get medical attention ace in recovery position nairway. Loosen tight ion of decomposition p	curs, pro- bus to the on if adve- on and ge clothing soroducts i	vide artificia person pro rse health e t medical such as a c n a fire,	al oviding effects collar,
Skin contact	:	Flush contaminated skin w shoes. To avoid the risk of clothing thoroughly with w occur. Wash clothing before	of static discha ater before rer	rges and gas ignition, noving it. Get medica	soak con I attentior	taminated	ns
Ingestion	:	As this product is a gas, re	efer to the inha	alation section.			
Most important symptoms	/effec	ts, acute and delayed					
Potential acute health eff	<u>ects</u>						
Eye contact	:	Contact with rapidly expar	nding gas may	cause burns or frostb	ite.		
Date of issue/Date of revision		: 2/10/2015. Date of previo	us issue	: No previous validation.	Version	: 0.01	2/13

Section 4. First aid measures

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.
Frostbite	: Try to warm up the frozen tissues and seek medical attention.
Ingestion	: As this product is a gas, refer to the inhalation section.
<u>Over-exposure signs/sym</u>	<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	 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	: 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. Extremely flammable gas. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
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. If involved in fire, shut off flow immediately if it can be done without risk. If this is impossible, withdraw from area and allow fire to burn. Fight fire from protected location or maximum possible distance. Eliminate all ignition sources if safe to do so.
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.

Date of issue/Date of revision: 2/10/2015.	Date of previous issue	: No previous validation.	Version : 0.01	3/13
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Section 6. Accidental release measures

Personal precautions, protec	tive equipment and emergency procedures
For non-emergency personnel	: Accidental releases pose a serious fire or explosion hazard. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing gas. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
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	ntainment 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). Contains gas under pressure. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not puncture or incinerate container. 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). Eliminate all ignition sources. 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).

Date of issue/Date of revision : 2/10/	/2015. Date of previou	is issue : No previous va	alidation. Version : 0.01 4/	/13
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Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name		Exposure limits
ethylene		ACGIH TLV (United States, 3/2012). TWA: 200 ppm 8 hours.
Appropriate engineering controls	other engineering contro recommended or statuto	ventilation. Use process enclosures, local exhaust ventilation or ls to keep worker exposure to airborne contaminants below any ry limits. The engineering controls also need to keep gas, ions below any lower explosive limits. Use explosion-proof
Environmental exposure controls	they comply with the req cases, fume scrubbers, f	on or work process equipment should be checked to ensure uirements of environmental protection legislation. In some filters or engineering modifications to the process equipment ice emissions to acceptable levels.
Individual protection measu	ires	
Hygiene measures	eating, smoking and usir Appropriate techniques	and face thoroughly after handling chemical products, before ng the lavatory and at the end of the working period. should be used to remove potentially contaminated clothing. hing before reusing. Ensure that eyewash stations and safety workstation location.
Eye/face protection	assessment indicates the gases or dusts. If contact	ng with an approved standard should be used when a risk is is necessary to avoid exposure to liquid splashes, mists, ct is possible, the following protection should be worn, unless s a higher degree of protection: safety glasses with side-
Skin protection		
Hand protection	worn at all times when he necessary. Considering during use that the glove noted that the time to bre glove manufacturers. In	ervious gloves complying with an approved standard should be andling chemical products if a risk assessment indicates this is the parameters specified by the glove manufacturer, check are still retaining their protective properties. It should be eakthrough for any glove material may be different for different the case of mixtures, consisting of several substances, the oves cannot be accurately estimated.
Body protection	performed and the risks handling this product. W static protective clothing	pment for the body should be selected based on the task being involved and should be approved by a specialist before /hen there is a risk of ignition from static electricity, wear anti- . For the greatest protection from static discharges, clothing e overalls, boots and gloves.
Other skin protection	: Appropriate footwear and	d any additional skin protection measures should be selected performed and the risks involved and should be approved by a
Respiratory protection	standard if a risk assess	purifying or air-fed respirator complying with an approved ment indicates this is necessary. Respirator selection must be ipated exposure levels, the hazards of the product and the safe acted respirator.

Section 9. Physical and chemical properties

Appearance	
Physical state	: Gas.
Color	Not available.
Melting/freezing point	 -138°C (-216.4°F) This is based on data for the following ingredient: Butane. Weighted average: -242.51°C (-404.5°F)
Critical temperature	Lowest known value: -267.9°C (-450.2°F) (helium).
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: 2.1 (Air = 1) (Butane). Weighted average: 0.53 (Air = 1)
Gas Density (lb/ft ³)	: Weighted average: 0.01
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

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	:	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Incompatibility with various substances	:	Extremely reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Date of issue/Date of revision		: 2/10/2015. Date of previous issue : No previous validation. Version : 0.01 6/13

Flammable Gas Mixture: Argon / Ethane / Ethylene / Helium / Isobutane / Methane / N-Butane / Nitrogen / Propane / Propylene

Section 10. Stability and reactivity

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
ethylene	-	3	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

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

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Ingestion

Information on the likely : Not available. routes of exposure

Potential acute health effects		
Eve 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.
 - : As this product is a gas, refer to the inhalation section.

Symptoms related to the pl	nysical, chemical and toxicological	<u>characteristics</u>		
Eye contact	: No specific data.			
Date of issue/Date of revision	: 2/10/2015. Date of previous issue	: No previous validation.	Version : 0.01	7/13

Section 11. Toxicological information

Inhalation	1	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Delayed and immediate effect	<u>:ts</u>	and also chronic effects from short and long term exposure
<u>Short term exposure</u>		
Potential immediate effects	1	Not available.
Potential delayed effects	:	Not available.
<u>Long term exposure</u>		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Potential chronic health eff	ect	<u>s</u>
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

Product/ingredient name	LogPow	BCF	Potential
ethylene	1.13	-	low

Mobility in soil

Soil/water partition coefficient (Koc)	: Not available.
Other adverse effects	: No known significant effects or critical hazards.

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: 2/10/2015. Date of previous issue

us issue : No previous validation.

Version : 0.01

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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
LINI assessible as					
UN number	UN1954	UN1954	UN1954	UN1954	UN1954
UN proper shipping name	COMPRESSED GAS, FLAMMABLE, N.O.S. (methane, ethylene)	COMPRESSED GAS, FLAMMABLE, N.O.S. (methane, ethylene)	COMPRESSED GAS, FLAMMABLE, N.O.S. (methane, ethylene)	COMPRESSED GAS, FLAMMABLE, N.O.S. (methane, ethylene)	COMPRESSED GAS, FLAMMABLE, N.O.S. (methane, ethylene)
Transport hazard class(es)	2.1	2.1	2.1	2.1	2.1
Packing group	-	-	-	-	-
Environment	No.	No.	No.	No.	No.
Additional information	-	Explosive Limit and Limited Quantity Index 0.125 ERAP Index 3000 Passenger Carrying Ship Index Forbidden Passenger Carrying Road or Rail Index Forbidden	-	-	-

"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)	CDR Exer	npt/Part	ial exemptio	n: Not determi	ned		
		United Stat	tes invent	ory (TS	CA 8b): All co	mponents are	listed or exemp	oted.	
			· · ·	•	ulated flamm obutane; etha		:es : ethylene; p	propylene;	
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 applical	ble.						
<u>SARA 311/312</u>									
Classification	:	Fire hazard Sudden rele	ease of pre	essure					
Composition/information	on	ingredients							
Name		%		Fire	Sudden	Reactive	Immediate	Delayed	

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immedia (acute) health
			pressure		hazard

1 - 5

	ethylene	 	
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<u>SARA 313</u>

	Product name	CAS number	%
Form R - Reporting requirements	propylene	115-07-1	0.5 - 5
	ethylene	74-85-1	1 - 5
Supplier notification	propylene	115-07-1	0.5 - 5
	ethylene	74-85-1	1 - 5

Yes.

No.

Yes.

Yes.

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: ETHYLENE; PROPYLENE (PROPENE); PROPANE; NITROGEN; BUTANE; METHANE; ISOBUTANE; HELIUM; ETHANE; ARGON						
New York	: None of the components are listed.						
New Jersey	 The following components are listed: ETHYLENE; ETHENE; PROPYLENE; 1-PROPENE; PROPANE; NITROGEN; BUTANE; METHANE; Isobutane; PROPANE, 2-METHYL-; HELIUM; ETHANE; ARGON 						
Pennsylvania	 The following components are listed: ETHENE; 1-PROPENE; PROPANE; NITROGEN; BUTANE; METHANE; PROPANE, 2-METHYL-; HELIUM; ETHANE; ARGON 						
Canada inventory	: All components are listed or exempted.						
Date of issue/Date of revision	: 2/10/2015. Date of previous issue : No previous validation. Version : 0.01 10/13						

(chronic)

health hazard

No.

Section 15. Regulatory information

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 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
<u>Canada</u>	
WHMIS (Canada)	: Class A: Compressed gas. Class B-1: Flammable gas. Class D-2B: Material causing other toxic effects (Toxic).
	 CEPA Toxic substances: The following components are listed: Methane; Volatile organic compounds Canadian ARET: None of the components are listed. Canadian NPRI: The following components are listed: Ethylene; Propylene; Propane; Butane (all isomers); Volatile organic compounds; Butane (all isomers); 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. Class B-1: Flammable gas. Class D-2B: Material causing other toxic effects (Toxic).

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.)

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.

<u>History</u>	
Date of printing	: 2/10/2015.
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Version	: 0.01
Key to abbreviations	 ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = Internetional Air Transport Association IBC = Internetiate 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	t has changed from previously issued version

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Section 16. Other information

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.

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