# LIQUID WRENCH CHAIN & CABLE LUBE WITH MOLY

MSDS Preparation Date (mm/dd/yyyy): 07/11/2017

L712C

Page 1 of 9

### MATERIAL SAFETY DATA SHEET

**SECTION 1: IDENTIFICATION** 

Product identifier

: LIQUID WRENCH CHAIN & CABLE LUBE WITH MOLY

**Product Use** 

: Lubricant for all industrial, farming, cycle, and ATV chains and wire cable (aerosol).

**Chemical Family** 

Mixture

Manufacturer part no.

L712C

Supplier's name and address:

Manufacturer's name and address:

Refer to Supplier

Radiator Specialty Co., of Canada 1711 Aimco Blvd.

Mississauga, ON, Canada

L4W 1H7

Information Telephone #

: (905) 625-9117 (Monday - Friday, 8 AM - 4PM)

24 Hr. Emergency Tel#

: In case of transportation emergencies: (613) 996-6666 (CANUTEC)

### SECTION 2 - HAZARDS IDENTIFICATION

Classification

: WHMIS information: This product is packaged and sold as a consumer product. The Hazardous Products Act (HPA) does not apply to consumer products [Hazardous Products Act Section 12(j)].

For informational purposes, this product would have the following WHMIS classification:

Class A (Pressurized containers):

Class D2A (Materials Causing Other Toxic Effects, Very Toxic Material); Class D2B (Materials Causing Other Toxic Effects, Toxic Material)

**Emergency Overview** 

Green liquid in pressurized container. Hydrocarbon odour.

WARNING

Non-flammable aerosol. Contents under pressure. May be harmful if swallowed. May be an aspiration hazard. May be harmful if inhaled. Inhalation of mist causes irritation of respiratory system. If mists are inhaled, may cause pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. May cause severe eye irritation. May cause skin irritation. Prolonged contact, may be more irritating. Contains material which may cause cancer, based on animal data.

Contains material that may be harmful in the environment.

### **POTENTIAL HEALTH EFFECTS:**

### Signs and symptoms of short-term (acute) exposure

Inhalation: Inhalation of mist causes irritation of respiratory system. If mists are inhaled, may cause pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. In extremely high concentrations, product may act as an asphyxiant and cause increased breathing and pulse rates, fatigue and unconsciousness.

Skin

: May cause mild skin irritation. Prolonged contact, may be more irritating. Contact may cause redness, swelling and a painful sensation. If product is sprayed directly on skin, symptoms of frostbite may be experienced including numbness, prickling and itching.

Eyes

: May cause moderate to severe eye irritation. Symptoms may include stinging, tearing, redness and swelling. If product is sprayed directly into the eyes, could cause freezing of the eye.

Ingestion : However, if the product is sprayed directly into mouth and large amounts of the liquid concentrate are swallowed, it may cause irritation to the mouth, throat and stomach. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. May be an aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.

### Effects of long-term (chronic) exposure

Prolonged skin contact may cause dermatitis (rash), characterized by red, dry, itching skin. Repeated or prolonged exposure may result in kidney effects.

Carcinogenic status

: Possible cancer hazard. See TOXICOLOGICAL INFORMATION, Section 11.

Additional health hazards

: See TOXICOLOGICAL INFORMATION, Section 11.

Potential environmental effects

Toxic to aquatic life with long lasting effects. See Section 12 for more environmental information.

# SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	CAS#	Wt.%
Aliphatic hydrocarbon solvent  This material is a mixture of the following ch	nemicals:	45.0 - 60.0
Distillates (petroleum), hydrotreated light	64742-47-8	
Solvent naphtha (petroleum) heavy aliphatic	64742-96-7	
Vineral spirits  This material is a mixture of the following ch  stoddard solvent	15.0 - 30.0	
Solvent naphtha (petroleum), medium aliphatic	8052-41-3 64742-88-7	
Distillate (petroleum) hydrotreated heavy	64742-48-9	
Distillates (petroleum), hydrotreated light	64742-47-8	
Naphtha (petroleum), heavy alkylate	64741-65-7	
Piethylene glycol monobutyl ether	112-34-5	3.00 - 7.00
arbon dioxide	124-38-9	1.00 - 5.00

Note: This product is packaged and sold as a consumer product. The Hazardous Products Act (HPA) does not apply to consumer products [Hazardous Products Act Section 12(j)].

# SECTION 4 - FIRST AID MEASURES

Inhalation Move to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. If symptoms develop, seek medical

Skin contact : For skin contact, wash with soap and water while removing contaminated clothing. If

irritation persists, seek prompt medical attention. Wash contaminated clothing before reuse.

Eye contact : Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention. Ingestion

Seek immediate medical attention/advice. Do not induce vomiting. Never give anything by mouth to an unconscious person.

: Treat symptomatically. Immediate medical attention is required. Aspiration may cause pulmonary oedema and pneumonitis.

# SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability

: Non-flammable aerosol. Closed containers are contained under pressure and may explode if exposed to excess heat for a prolonged period of time. Material will float on water and can be re-ignited at the water's surface.

**Oxidizing properties** 

Notes For Physician

: None known.

Explosion data: Sensitivity to mechanical impact / static discharge

: Aerosols are sensitive to mechanical impact. Not expected to be sensitive to static discharge. Suitable extinguishing media : Dry chemical, foam, carbon dioxide and water fog.

Special fire-fighting procedures/equipment

: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Shield personnel to protect from venting or rupturing containers. Water spray may be useful in cooling equipment exposed to heat and flame.

MSDS Preparation Date (mm/dd/yyyy): 07/11/2017

Page 3 of 9

### Hazardous combustion products

Carbon oxides; Hydrocarbons; Aldehydes; Sulfur oxides; Phosphorus oxides; Other unidentified organic compounds.

# SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions

: All persons dealing with the clean-up should wear the appropriate personal protective equipment. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up.

Environmental precautions Spill response/cleanup

: Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

: Ventilate area of release. Remove all sources of ignition. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later

disposal (see Section 13). Notify the appropriate authorities as required.

**Prohibited materials** 

: Keep away from flammable and combustible materials.

# SECTION 7 - HANDLING AND STORAGE

Safe Handling procedures

: Use in a well-ventilated area. Wear suitable protective equipment during handling. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Keep away from extreme heat and direct flame. Avoid contact with incompatible materials. Do not puncture or incinerate. Wash thoroughly after handling.

Storage requirements

: Store in a cool, dry, well-ventilated area. Keep away from direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

Incompatible materials

: Strong oxidizing agents; Bases; Acids; Reducing agents

Special packaging materials : Always keep in containers made of the same materials as the supply container.

# SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits					
	ACGIH	TLV_	OSHA PEL		
<u>Ingredients</u>	TWA STEL		PEL	STEL	
Aliphatic hydrocarbon solvent This material is a mixture of ti	he following chemicals:				
Distillates (petroleum), hydrotreated light	200 mg/m³ (as total hydrocarbon vapour) (skin)	N/Av	N/Av	N/Av	
Solvent naphtha (petroleum) heavy aliphatic	N/Av	N/Av	500 ppm (2000 mg/m³)	N/Av	
Mineral spirits This material is a mixture of th	ne following chemicals:		Targer J	and madelline the second state of the second	
stoddard solvent	100 ppm	N/Av	500 ppm (2900 mg/m³)	N/Av	
Solvent naphtha (petroleum), medium aliphatic	N/Av	N/Av	500 ppm (2000 mg/m³) (as petroleum distillates, naphtha)	N/Av	
Distillate (petroleum) hydrotreated heavy	N/Av	N/Av	N/Av	N/Av	
Distillates (petroleum), hydrotreated light	200 mg/m³ (as total hydrocarbon vapour) (skin)	N/Av	N/Av	N/Av	
Naphtha (petroleum), heavy alkylate	N/Av	N/Av	N/Av	N/Av	
iethylene glycol monobutyl ether	10 ppm (inhalable) (vapor)	N/Av	N/Av	N/Av	
arbon dioxide	5000 ppm	30 000 ppm	5000 ppm (9000 mg/m³)	N/Av	

MSDS Preparation Date (mm/dd/yyyy): 07/11/2017

Page 4 of 9

### Ventilation and engineering measures

: Use in a well-ventilated area. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

Respiratory protection

: If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised. Advice should be sought from respiratory protection specialists. A respiratory protection program that meets CSA Z94.4-02 requirements must be followed whenever workplace conditions warrant use of a respirator.

Skin protection

Gloves impervious to the material are recommended. Advice should be sought from glove suppliers. Depending on conditions of use, an impervious apron should be worn. Wear sufficient clothing to prevent skin contact.

Eye / face protection

Chemical splash goggles are recommended. Refer to CSA Z94.3 or other appropriate

Other protective equipment

An eyewash station and safety shower should be made available in the immediate working

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapours or spray mist. Wash hands thoroughly after using this product, and before eating, drinking or smoking. Remove and wash contaminated clothing before re-use.

Solubility in water

Volatiles (% by weight)

# SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state Liquid aerosol. **Appearance** : Green liquid. Odour Hydrocarbon odour. Odour threshold : N/Av

pΗ N/Av

**Boiling point** 157°C (estimation) Specific gravity : 0.834 (estimated)

Melting/Freezing point : -70°C (estimation) Coefficient of water/oil distribution

: N/Av

: Insoluble.

: 23.32% (estimated)

Vapour pressure (mmHg @ 20° C / 68° F)

: 0.53 hPa (estimation)

Vapour density (Air = 1) : N/Av Evaporation rate (n-Butyl acetate = 1)

: N/Av

Volatile organic Compounds (VOC's)

: N/Av

Flash point 61.1°C (estimated)

Flash point Method : Tag closed cup Auto-ignition temperature : Not available.

Lower flammable limit (% by vol.)

Upper flammable limit (% by vol.) : 0.7% (estimation)

: 6% (estimation) Flame Projection Length : 0 cm Flashback observed

: NO Absolute pressure of container Viscosity : 6 mm²/sec @ 40°C

: N/Av General Information : Chemical heat of combustion: 31.99 kJ/g (estimated)

# Section 10: STABILITY AND REACTIVITY

Stability and reactivity Stable under the recommended storage and handling conditions prescribed.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid Avoid heat and open flame. Keep away from direct sunlight. Do not use in areas without adequate ventilation.

Materials To Avoid And Incompatibility

: Strong oxidizing agents; Bases; Acids; Reducing agents

Hazardous decomposition products

None known, refer to hazardous combustion products in Section 5.

# SECTION 11 - TOXICOLOGICAL INFORMATION

Target organs : Eyes, skin, respiratory system, digestive system, central nervous system.

Routes of exposure : Inhalation: YES Skin Absorption: NO Skin & Eyes: YES Ingestion: YES Irritancy

: Moderate to severe eye irritant. Moderate skin irritant.

Page 5 of 9

Toxicological data

: There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

	LC50(4hr)	LD <sub>50</sub>		
Ingredients	inh, rat	(Oral, rat)	(Rabbit, dermal)	
Aliphatic hydrocarbon solve This material is a mixture	nt of the following chemicals:	And the state of t		
Distillates (petroleum), hydrotreated light	> 5.2 mg/L (aerosol) (No mortality)	> 5000 mg/kg	> 2000 mg/kg (No mortality)	
Solvent naphtha (petroleum) heavy aliphatic	> 6 mg/L	> 5000 mg/kg	> 2000 mg/kg	
Mineral spirits This material is a mixture	of the following chemicals:			
stoddard solvent	> 5.5 mg/L (vapour)	> 5000 mg/kg	> 3000 mg/kg	
Solvent naphtha (petroleum), medium aliphatic	> 5.5 mg/L (vapour)	> 5000 mg/kg (No mortality)	> 2000 mg/kg (No mortality)	
Distillate (petroleum) hydrotreated heavy	> 5.04 mg/L (vapour)	> 7000 mg/kg	> 2000 mg/kg (No mortality)	
Distillates (petroleum), hydrotreated light	> 5.2 mg/L (aerosol) (No mortality)	> 5000 mg/kg	> 2000 mg/kg (No mortality)	
Naphtha (petroleum), heavy alkylate	23.78 mg/L (vapour) (Read-across)	> 5000 mg/kg	> 2000 mg/kg (No mortality)	
Diethylene glycol monobutyl ther	N/Av	6560 mg/kg	2764 mg/kg	
Carbon diòxide	200 000 ppm/2H (141 421 ppm/4H)	N/Ap(gas)	N/Ap(gas)	

Carcinogenic status

: Contains the following chemicals listed as confirmed animal carcinogens (A3) by ACGIH: Hydrotreated light petroleum distillates.

No other components are classified as carcinogenic by IARC, ACGIH, OSHA or NTP.

Reproductive effects

Teratogenicity

: Not expected to have other reproductive effects.

: Not expected to be a teratogen.

Mutagenicity

: Not expected to be mutagenic in humans.

Epidemiology

: None known or reported by the manufacturer.

Sensitization to material

: Not expected to be a skin or respiratory sensitizer.

Synergistic materials

: None known or reported by the manufacturer.

other important hazards

: May cause central nervous system effects.

Conditions aggravated by overexposure

: None known or reported by the manufacturer.

# SECTION 12 - ECOLOGICAL INFORMATION

#### **Ecotoxicity**

: Toxic to aquatic life with long lasting effects. No data is available on the product itself. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. The product contains the following substances which are hazardous for the environment: Aliphatic hydrocarbon; Mineral spirits.

See the following tables for individual ingredient ecotoxicity data.

## Ecotoxicity data:

Ingredients	CAS No		Toxicity to Fish		
	CAS NO	LC50 / 96h	NOEC / 21 day	M Factor	
Distillates (petroleum), hydrotreated light	64742-47-8	20 mg/L (Rainbow trout) (Read-across)	N/Av	None.	
Solvent naphtha (petroleum) heavy aliphatic	64742-96-7	N/Av	N/Av	None.	
stoddard solvent	8052-41-3	2.1 - 4.2 mg/L (Bluegill sunfish)	N/Av	None.	
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	2 - 5 mg/L (Rainbow trout)	0.098 mg/L/28-day (QSAR) (NOEL)	None,	
Distillate (petroleum) hydrotreated heavy	64742-48-9	8.2 mg/L (Fathead minnow)	N/Av	None.	
Distillates (petroleum), hydrotreated light	64742-47-8	20 mg/L (Rainbow trout) (Read-across)	N/Av	None,	
Naphtha (petroleum), heavy alkylate	64741-65-7	N/Av	N/Av	None.	
Diethylene glycol monobutyl ether	112-34-5	1300 mg/L (Bluegill sunfish)	N/Av	None.	
Carbon dioxide	124-38-9	N/Ap	N/Ap	N/Ap	

<u>Ingredients</u>	CAS No	Toxicity to Daphnia			
		EC50 / 48h	NOEC / 21 day	M Factor	
Distillates (petroleum), hydrotreated light	64742-47-8	40 - 89 mg/L (Daphnia magna) (Read-across)	0.48 mg/L (Read-across)	None.	
Solvent naphtha (petroleum) heavy aliphatic	64742-96-7	1.4 mg/L (Daphnia magna)	0.48 mg/L	None.	
stoddard solvent	8052-41-3	0.42 - 2.3 mg/L (Daphnia magna)	0.1 - 0.37 mg/L	None.	
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	1.4 mg/L (Daphnia magna)	0.48 mg/L (QSAR) (NOEL)	None.	
Distillate (petroleum) hydrotreated neavy	64742-48-9	32 mg/L (Daphnia magna)	6.3 mg/L	None.	
Distillates (petroleum), nydrotreated light	64742-47-8	40 - 89 mg/L (Daphnia magna) (Read-across)	0.48 mg/L (Read-across)	None.	
Naphtha (petroleum), heavy alkylate	64741-65-7	N/Av	N/Av N/Av	None.	
Diethylene glycol monobutyl ether	112-34-5	> 100 mg/L (Daphnia magna)	N/Av	None.	
Carbon dioxide	124-38-9	N/Ap	N/Ap	N/Ap	

<u>Ingredients</u>	CAS No	To	oxicity to Algae	
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Distillates (petroleum), hydrotreated light	64742-47-8	6.2 mg/L/96hr (Green algae) (Read-across)	0.4 mg/L/96hr (Read-across)	None.
Solvent naphtha (petroleum) heavy aliphatic	64742-96-7	N/Av	N/Av	None.
stoddard solvent	8052-41-3	0.58 - 1.2 mg/L/72hr (Green algae)	0.16 mg/L/72hr	None.
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	1 - 3 mg/L/72hr (Green algae)	1 mg/L/72hr (Green algae) (NOEL)	None.
Distillate (petroleum) hydrotreated heavy	64742-48-9	45 mg/L/96hr (Green algae)		None.
Distillates (petroleum), hydrotreated light	64742-47-8	6.2 mg/L/96hr (Green algae) (Read-across)	0.4 mg/L/96hr (Read-across)	None.
Naphtha (petroleum), heavy alkylate	64741-65-7	13 mg/L/72hr (Green algae)	N/Av	None.
Diethylene glycol monobutyl ether	112-34-5	> 100 mg/L/96hr (Green algae)	≥ 100 mg/L/96hr	None.
Carbon dioxide	124-38-9	N/Ap	N/Ap	N/Ap

#### Mobility

#### Persistence

: No data is available on the product itself.

No data is available on the product itself.

The following ingredients are considered to be readily biodegradable: Distillates (petroleum), hydrotreated light; Solvent naphtha, petroleum, heavy aliphatic; Diethylene glycol monobutyl

Distillates (petroleum), hydrotreated light is considered readily biodegradable, but failing the 10 day window (OECD).

Contains the following chemicals which are considered to be inherently biodegradable: Mineral spirits

### **Bioaccumulation potential**

: No data is available on the product itself. See the following data for ingredient information.

Components	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)	5.1 - 8.8	N/Av
stoddard solvent (CAS 8052-41-3)	3.16 - 7.06	N/Av
Solvent naphtha (petroleum), medium aliphatic (CAS 64742-88-7)	3.7 - 6.7	142 - 11,430 (Fish) (calculated)
Distillate (petroleum) hydrotreated heavy (CAS 64742-48-9)	2.1 - 6 (calculated)	10 - 2500 (calculated)
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)	5.1 - 8.8	N/Av
Naphtha (petroleum), heavy alkylate (CAS 64741-65-7)	7	598 - 11,430
Diethylene glycol monobutyl ether (CAS 112-34-5)	1.0	3.0
Carbon dioxide (CAS 124-38-9)		no bioaccumulation

### Other Adverse Environmental effects

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

# SECTION 13 - DISPOSAL CONSIDERATIONS

**Handling for Disposal** 

Handle waste according to recommendations in Section 7. Do not puncture or incinerate containers.

**Methods of Disposal** 

: Dispose of in accordance with federal, provincial and local hazardous waste laws.

Page 8 of 9

# SECTION 14: TRANPORT INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	UN1950	AEROSOLS	2.1	none	
TDG Additional information	May be shipped kg gross mass. U	as LIMITED QUANTITY when transported in containers no larg Inder the TDGR, refer to Section 1.17 for additional exemption	ger than 1.0 Litre information, if s	e, in package hipping und	es not exceeding 30 er this exemption.

# SECTION 15 - REGULATORY INFORMATION

#### Labelling:

This product is packaged and sold as a consumer product. The Hazardous Products Act (HPA) does not apply to consumer products [Hazardous Products Act Section 12(j)]. As such, this product does not require a WHMIS Supplier label.

#### Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

### **US Federal Information:**

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

# SECTION 16 - OTHER INFORMATION

F	er	n	•

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Services CSA: Canadian Standards Association HSDB: Hazardous Substances Data Bank

IARC: International Agency for Research on Cancer

Inh: Inhalation LC: Lethal Concentration

LD: Lethal Dose

MSHA: Mine Safety and Health Administration

N/Ap: Not Applicable N/Av: Not Available

NIOSH: National Institute of Occupational Safety and Health

NTP: National Toxicology Program

OECD: Organisation for Economic Co-operation and Development

OSHA: Occupational Safety and Health Administration

PEL: Permissible exposure limit

RTECS: Registry of Toxic Effects of Chemical Substances

STEL: Short Term Exposure Limit

TDG: Canadian Transportation of Dangerous Goods Act & Regulations

Threshold Limit Values TWA: Time Weighted Average

WHMIS: Workplace Hazardous Materials Identification System

#### References

- 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2017.
  - 2. International Agency for Research on Cancer Monographs, searched 2017.
  - 3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2017 (Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. OECD The Global Portal to Information on Chemical Substances eChemPortal, 2017.

MSDS Preparation Date (mm/dd/yyyy): 07/11/2017

Page 9 of 9

### Prepared for:

Radiator Specialty Co. of Canada 1711 Aimco Blvd.

Mississauga, ON, Canada, L4W 1H7

Telephone: 905-625-9117 (Mon. - Fri., 8 AM - 4 PM) Please direct all enquiries to Radiator Specialty.

Prepared by:

ICC The Compliance Center Inc.

http://www.thecompliancecenter.com



## DISCLAIMER OF LIABILITY

This Material Safety Data Sheet was prepared by ICC The Compliance Center Inc. using information provided by Radiator Specialty Co. of Canada and CCOHS' Web Information Service. The information in the Material Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc and Radiator Specialty Co. of Canada expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this MSDS does not apply to use with any other product or in any other process.

This Material Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and Radiator Specialty Co. of Canada.

MSDS Preparation Date (mm/dd/yyyy)

: 07/11/2017

**END OF DOCUMENT**