# MATERIAL SAFETY DATA SHEET

#### SECTION 1: IDENTIFICATION

Product identifier	:	VALVE-MEDIC	
Product Use Chemical Family Manufacturer part no. Supplier's name and address:	:	Engine oil additive for cleaning v Mixture. M3712C	Manufacturer's name and address:
Radiator Specialty Co., o 1711 Aimco Blvd. Mississauga, ON, Canada L4W 1H7	f C	Canada	Refer to Supplier
Information Telephone # 24 Hr. Emergency Tel #	:	(905) 625-9117 (Monday - Frida 613-996-6666 (CANUTEC)	y, 8AM - 4PM)

# **SECTION 2 - HAZARDS IDENTIFICATION**

Classification

: WHMIS information: This product is a WHMIS Controlled Product. It meets one or more of the criteria for a controlled product provided in Part IV of the Canadian Controlled Products Regulations (CPR).

WHMIS classification:

Class B3 (Combustible Liquids); Class D2A (Materials Causing Other Toxic Effects, Very Toxic Material); Class D2B (Materials Causing Other Toxic Effects, Toxic Material).

Labelling: Phrases recommended to appear on a supplier label, can be found in Section 15.

WHMIS symbols required on a supplier label:



**Emergency Overview** 

Black liquid. Petroleum odour.

WARNING! Combustible liquid and vapour. Harmful if inhaled. Harmful or fatal if swallowed. May be harmful if absorbed through the skin. May cause respiratory irritation. May cause nausea, vomiting, headache and other central nervous system effects. May be an aspiration hazard. Can enter the lungs and cause damage. May cause skin irritation. Contains material which can cause damage to the blood system, the liver and the kidneys. Contains material which may cause cancer, based on animal data. Possible birth defect hazard - contains material that may cause birth defects, based on animal data.

#### **POTENTIAL HEALTH EFFECTS:**

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

- *Inhalation* : May cause irritation to the nose, throat and upper respiratory tract. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.
- Skin : May cause mild to moderate irritation. Prolonged contact, such as when trapped against the skin under clothing or jewelry, may be more irritating. May be absorbed and cause symptoms similar to those for inhalation.
- *Eyes* : May cause mild eye irritation. Symptoms may include stinging and tearing.
- *Ingestion* : May cause irritation of mouth, throat, and stomach. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. Material is 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 or repeated contact may cause drying, cracking and defatting of the skin. Repeated overexposure to naphthalene may cause destruction of red blood cells with anemia, fever, jaundice and kidney and liver damage.Prolonged or repeated inhalation of mists may cause coughing, increased mucous formation and difficulty breathing.
   Possible cancer hazard. See TOXICOLOGICAL INFORMATION, Section 11.
- Carcinogenic status

#### VALVE-MEDIC

MSDS Revision Date (mm/dd/yyyy): 10/31/2014

# Additional health hazards

# : May cause birth defects. See TOXICOLOGICAL INFORMATION, Section 11.

# Potential environmental effects

: Contains material that may be harmful in the environment. See ECOLOGICAL INFORMATION, Section 12.

# **SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	CAS #	Wt.%
Petroleum distillates	68476-34-6	85.00 - 95.00
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	7.00 - 13.00
Solvent refined heavy paraffinic distillate	64741-88-4	0.10 - 1.00
Naphthalene	91-20-3	0.10 - 1.00
Xylene	1330-20-7	0.10 - 1.00

## **SECTION 4 - FIRST AID MEASURES**

Inhalation	: Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Get medical attention.
Skin contact	: Remove/Take off immediately all contaminated clothing. Wash off immediately with soap and plenty of water. If irritation persists, seek prompt medical attention.
Eye contact	: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek prompt medical attention.
Ingestion	: Seek immediate medical attention/advice. Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
Notes For Physician	: Treat symptomatically. This product is a CNS depressant.

# **SECTION 5 - FIRE FIGHTING MEASURES**

Fire hazards/conditions of flan	mability
	: Combustible liquid and vapour. Will ignite when exposed to heat, flame and other sources of ignition. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Vapours may be heavier than air and may collect in confined and low-lying areas. Material will float on water and can be re-ignited at the water's surface.
Oxidizing properties	: None known.
Explosion data: Sensitivity to	nechanical impact / static discharge
	: Not expected to be sensitive to mechanical impact. May be sensitive to static discharge.
Suitable extinguishing media	: Dry chemical, foam, carbon dioxide and water fog. Do not use water jet, as this may spread burning material.
Special fire-fighting procedure	s/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. Water spray may be useful in cooling equipment exposed to heat and flame.
Hazardous combustion produc	ts
	: Carbon oxides; Nitrogen oxides (NOx); Sulphur oxides; Phosphorus compounds; Aldehydes; Hydrocarbons; Polycyclic aromatic hydrocarbons; Other unidentified organic compounds.

# SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions	:	All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Keep all other personnel upwind and away
		from the spill/release. Restrict access to area until completion of clean-up.
Environmental precautions	:	Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. For large spills, dike the area to prevent spreading.

Spill response/cleanup	:	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 : Do not use combustible absorbents, such as sawdust.

# **SECTION 7 - HANDLING AND STORAGE**

Safe Handling procedures	: Use in a well-ventilated area. Wear suitable protective equipment during handling. Avoid breathing vapours. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks, and open flames. Use proper bonding and grounding techniques when transferring liquid. Avoid contact with incompatible materials. Wash thoroughly after handling. Keep containers closed when not in use.
Storage requirements	: Store in a cool, dry, well-ventilated area. Store away from incompatibles and out of 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	: Acids; Strong oxidizing agents; Alkalies.
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	
Ingredients	<u>TWA</u>	STEL	PEL	<u>STEL</u>
Petroleum distillates	100 mg/m³ (vapor and aerosol, as total hydrocarbons) (skin)	N/Av	N/Av	N/Av
Distillates (petroleum), hydrotreated neavy naphthenic	5 mg/m³ (inhalable) (As 'Oil mist, mineral')	N/Av	5 mg/m³ (As 'Oil mist, mineral')	N/Av
Solvent refined heavy paraffinic distillate	5 mg/m³ (inhalable) (As 'Oil mist, mineral')	N/Av	5 mg/m <sup>3</sup> (As 'Oil mist, mineral')	N/Av
Naphthalene	10 ppm (skin)	N/Av	10 ppm	N/Av
Xylene	100 ppm	150 ppm	100 ppm	N/Av

## Ventilation and engineering measures

	:	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.
Skin protection	:	Impervious gloves must be worn when using this product. Advice should be sought from glove suppliers.
Eye / face protection	:	Safety glasses with side-shields or chemical splash goggles.
Other protective equipment	:	Wear resistant clothing and boots. An eyewash station and safety shower should be made available in the immediate working area.
General hygiene consideratio	ns	
	:	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, smoke or use cosmetics while working with this product. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

# **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	: Liquid.	Appearance	: Black liquid.
Odour	: Petroleum odour.	Odour threshold	: N/Av
рН	: N/Av		
Boiling point	: 115.6°C (240°F)	Specific gravity	: 0.86
Melting/Freezing point	: N/Av	Coefficient of water/o	il distribution
			: N/Av

#### VALVE-MEDIC

vapour pressure (mining @ 2	0° C / 68° F)	Solubility in water	: Insoluble.
(	: N/Av	From anotion note (n. Dutal	anatata A
Vapour density (Air = 1)	: N/Av	Evaporation rate (n-Butyl	acetate = 1) : N/Av
Volatile organic Compounds	(VOC's)	Volatiles (% by weight)	: N/Av
	: N/Av	volatiles (70 by weight)	• N/AV
Flash point	: 58.9°C (138°F)		
Flash point Method	: TCC	Auto-ignition temperature	: N/Av
Lower flammable limit (% by		Upper flammable limit (%	
	: N/Av		: N/Av
Flame Projection Length	: N/Ap	Flashback observed	: N/Ap
Absolute pressure of contain	er	Viscosity	: < 10 cSt @ 40°C (104°F)
	: N/Ap		
General Information	: No additional information.		
Section 10: STABILITY A	ND REACTIVITY		
Stability and reactivity	: Stable under the recommend	led storage and handling con	ditions prescribed.
Hazardous polymerization	: Hazardous polymerization do		
Conditions to avoid	: Avoid heat and open flame.		especially in confined areas.
Materials To Avoid And Incor	npatibility		
	Coo Cootion 7 (Londling and	Otomore) for further a datable	
	: See Section 7 (Handling and	Storage) for further details.	
Hazardous decomposition pr	oducts		Section 5
· · ·	oducts : None known, refer to hazard		Section 5.
· · ·	oducts		Section 5.
· · ·	oducts : None known, refer to hazard	ous combustion products in S	
SECTION 11 - TOXICOL	oducts : None known, refer to hazard OGICAL INFORMATION	ous combustion products in S	
SECTION 11 - TOXICOL Target organs	oducts : None known, refer to hazard OGICAL INFORMATION : Eyes, skin, respiratory system kidneys.	ous combustion products in S	ood system, liver, brain and
SECTION 11 - TOXICOL	oducts         : None known, refer to hazard         OGICAL INFORMATION         : Eyes, skin, respiratory system kidneys.         : Inhalation: YES       Skin Abs.	ous combustion products in S	ood system, liver, brain and s: YES Ingestion: YES
SECTION 11 - TOXICOL Target organs Routes of exposure	<ul> <li>oducts <ul> <li>None known, refer to hazard</li> </ul> </li> <li>OGICAL INFORMATION <ul> <li>Eyes, skin, respiratory system kidneys.</li> <li>Inhalation: YES Skin Ab.</li> <li>May cause mild eye irritation</li> <li>There is no available data for</li> </ul> </li> </ul>	ous combustion products in S m, central nervous system, ble sorption: YES Skin & Eye . May cause mild to moderate r the product itself, only for the	ood system, liver, brain and s: YES Ingestion: YES e skin irritation.
SECTION 11 - TOXICOL Target organs Routes of exposure Irritancy	oducts         : None known, refer to hazard         OGICAL INFORMATION         : Eyes, skin, respiratory system kidneys.         : Inhalation: YES         : May cause mild eye irritation	ous combustion products in S m, central nervous system, ble sorption: YES Skin & Eye . May cause mild to moderate r the product itself, only for the	ood system, liver, brain and s: YES Ingestion: YES e skin irritation.
SECTION 11 - TOXICOL Target organs Routes of exposure Irritancy	<ul> <li>oducts <ul> <li>None known, refer to hazard</li> </ul> </li> <li>OGICAL INFORMATION <ul> <li>Eyes, skin, respiratory system kidneys.</li> <li>Inhalation: YES Skin Ab.</li> <li>May cause mild eye irritation</li> <li>There is no available data for</li> </ul> </li> </ul>	ous combustion products in S m, central nervous system, ble sorption: YES Skin & Eye . May cause mild to moderate r the product itself, only for the xicity data.	ood system, liver, brain and s: YES Ingestion: YES e skin irritation.
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SECTION 11 - TOXICOL Target organs Routes of exposure Irritancy Toxicological data	oducts : None known, refer to hazard OGICAL INFORMATION : Eyes, skin, respiratory system kidneys. : Inhalation: YES Skin Ab. : May cause mild eye irritation : There is no available data fo individual ingredient acute to LC50(4hr)	ous combustion products in S m, central nervous system, blo sorption: YES Skin & Eye . May cause mild to moderate r the product itself, only for the xicity data.	ood system, liver, brain and s: YES <i>Ingestion:</i> YES e skin irritation. e ingredients. See below for
SECTION 11 - TOXICOL Target organs Routes of exposure Irritancy Toxicological data <u>Ingredients</u> Petroleum distillates	oducts : None known, refer to hazard OGICAL INFORMATION : Eyes, skin, respiratory system kidneys. : Inhalation: YES Skin Ab: : May cause mild eye irritation : There is no available data for individual ingredient acute to LC50(4hr) inh, rat	ous combustion products in S m, central nervous system, ble sorption: YES Skin & Eye . May cause mild to moderate r the product itself, only for the xicity data.	ood system, liver, brain and s: YES Ingestion: YES e skin irritation. e ingredients. See below for LD50 (Rabbit, dermal) > 2000 mg/kg
SECTION 11 - TOXICOL Target organs Routes of exposure Irritancy Toxicological data <u>Ingredients</u>	oducts : None known, refer to hazard OGICAL INFORMATION : Eyes, skin, respiratory system kidneys. : Inhalation: YES Skin Ab. : May cause mild eye irritation : There is no available data fo individual ingredient acute to LC50(4hr) inh, rat 4.6 mg/L	ous combustion products in S m, central nervous system, ble sorption: YES Skin & Eye . May cause mild to moderate r the product itself, only for the xicity data.	ood system, liver, brain and s: YES Ingestion: YES e skin irritation. e ingredients. See below for LD50 (Rabbit, dermal)
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SECTION 11 - TOXICOL Target organs Routes of exposure Irritancy Toxicological data <u>Ingredients</u> Petroleum distillates Distillates (petroleum), hydrotreated heavy naphthenic Solvent refined heavy	oducts : None known, refer to hazard OGICAL INFORMATION : Eyes, skin, respiratory system kidneys. : Inhalation: YES Skin Ab. : May cause mild eye irritation : There is no available data fo individual ingredient acute to LC50(4hr) inh, rat 4.6 mg/L > 5.53 mg/m <sup>3</sup> (mist)	ous combustion products in S m, central nervous system, blo sorption: YES Skin & Eye . May cause mild to moderate r the product itself, only for the xicity data.	ood system, liver, brain and s: YES Ingestion: YES e skin irritation. e ingredients. See below for -D50 (Rabbit, dermal) > 2000 mg/kg > 2000 mg/kg

NTP (Group 2 - Reasonably anticipated). Contains the following chemicals listed as confirmed animal carcinogens (A3) by ACGIH: Petroleum distillates. Use caution when pouring this material. This product can generate a complex mixture of airbourne material during heating or in a fire. This combustion material can include carcinogenic polycyclic aromatic hydrocarbons. **Reproductive effects** 2 Not expected to cause reproductive effects. Teratogenicity This product contains Xylene. Xylene may cause fetotoxic effects at doses which are not 2 maternally toxic, based on animal data. **Mutagenicity** Not expected to be mutagenic in humans. 2 None known or reported by the manufacturer. Epidemiology 2 Sensitization to material : May cause an allergic skin reaction (e.g. hives, rash) in some hypersensitive individuals. No data available to indicate product or components may be respiratory sensitizers. Synergistic materials None known or reported by the manufacturer. 2 other important hazards : CNS depression may result from extreme exposures.

## Conditions aggravated by overexposure

: Pre-existing skin, eye, respiratory or blood system disorders.

## **SECTION 12 - ECOLOGICAL INFORMATION**

:

Ecotoxicity

The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. This product contains the following substance which may also be hazardous for the environment: Naphthalene; Xylene.

See the following tables for individual ingredient ecotoxicity data.

#### Ecotoxicity data:

Ingredients	<b></b>	Toxicity to Fish			
	CAS No	LC50 / 96h	NOEC / 21 day	M Factor	
Petroleum distillates	68476-34-6	21 mg/L (Rainbow trout)	N/Av	None.	
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	> 5000 mg/L (Rainbow trout)	N/Av	None.	
Solvent refined heavy paraffinic distillate	64741-88-4	> 5000 mg/L (Rainbow trout)	N/Av	None.	
Naphthalene	91-20-3	0.11 mg/L (Rainbow trout)	0.12 mg/L	1	
Xylene	1330-20-7	8.2 mg/L (Rainbow trout)	N/Av	None.	

Ingredients	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Petroleum distillates	68476-34-6	49 - 94 mg/L (Daphnia magna)	N/Av	None.
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	> 1000 mg/L (Daphnia magna)	N/Av	None.
Solvent refined heavy paraffinic distillate	64741-88-4	> 1000 mg/L (Daphnia magna)	N/Av	None.
Naphthalene	91-20-3	2.16 mg/L (Daphnia magna)	0.22 mg/L	None.
Xylene	1330-20-7	3.2 - 9.56 mg/L (Daphnia magna)	N/Av	None.

Ingredients	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Petroleum distillates	68476-34-6	10 mg/L/72hr (Green algae)	3 mg/L (NOEL)	None.
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	> 1000 mg/L/96hr (Green algae)	N/Av	None.
Solvent refined heavy paraffinic distillate	64741-88-4	N/Av	N/Av	None.
Naphthalene	91-20-3	0.4 mg/L/72hr (Green algae)	N/Av	1
Xylene	1330-20-7	3.2 - 4.9 mg/L/72hr (Green algae)	N/Av	None.
Mobility	: No data is av	ailable on the product itself.		
Persistence	: Not expected	ected to be rapidly biodegradable.		
Bioaccumulation potential		available on the product itself. Naphthalene; Xylene. The log Kow value for Naphthalene is 3 - 3.5, and its		

bioconcentration factor (BCF) is 430. The log Pow for Xylene is 3.12.

#### Other Adverse Environmental effects

: No data is available on the product itself.

# SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for Disposal	Handle waste according to recommendations in Section 7. Do not cut, weld, drill or gu or near this container. Empty containers retain residue (liquid and/or vapour) and can dangerous.	
Methods of Disposal	Dispose of in accordance with federal, provincial and local hazardous waste laws.	

# **SECTION 14: TRANPORT INFORMATION**

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	UN1268	PETROLEUM PRODUCTS, N.O.S.	3		3
TDG Additional information	This material may be shipped as non-regulated material when in small means of containment (<450 Litres), provided the requirements of TDG section 1.33 are met. Section 1.33 of the Regulations is an exemption permitting the transportation of this product in small means of containment as not regulated.				

## **SECTION 15 - REGULATORY INFORMATION**

#### Labelling:

WARNING! Combustible liquid and vapour. Harmful if inhaled. Harmful or fatal if swallowed. May be harmful if absorbed through the skin. May cause respiratory irritation. May cause nausea, vomiting, headache and other central nervous system effects. May be an aspiration hazard. Can enter the lungs and cause damage. May cause skin irritation. Contains material which can cause damage to the blood system, the liver and the kidneys. Contains material which may cause cancer, based on animal data. Possible birth defect hazard - contains material that may cause birth defects, based on animal data.

PRECAUTIONS: Use in a well-ventilated area. Wear suitable protective equipment during handling. Avoid breathing vapours. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks, and open flames. Use proper bonding and grounding techniques when transferring liquid. Avoid contact with incompatible materials. Wash thoroughly after handling. Keep containers closed when not in use. Store in a cool, dry, well ventilated area, away from heat and ignition sources.

FIRST AID: If inhaled, move to fresh air. If breathing stopped, begin artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Get medical attention. For skin contact, wash with soap and water while removing contaminated clothing. If irritation persists, seek prompt medical attention. For eye contact, flush with running water for at least 15 minutes. If irritation persists, seek prompt medical attention. If ingested, do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice.

Refer To Material Safety Data Sheet for further information.

#### **Canadian Information:**

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

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**

Legend	: ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstract Services
	CNS: Central Nervous System
	HSDB: Hazardous Substances Data Bank
	IARC: International Agency for Research on Cancer
	Inh: Inhalation
	IUCLID: International Uniform ChemicaL Information Database
	LC: Lethal Concentration
	LD: Lethal Dose
	MSHA: Mine Safety and Health Administration

	<ul> <li>N/Ap: Not Applicable</li> <li>N/Av: Not Available</li> <li>NIOSH: National Institute of Occupational Safety and Health</li> <li>NOEC: No observable effect concentration</li> <li>NTP: National Toxicology Program</li> <li>OSHA: Occupational Safety and Health Administration</li> <li>PEL: Permissible exposure limit</li> <li>RTECS: Registry of Toxic Effects of Chemical Substances</li> <li>STEL: Short Term Exposure Limit</li> <li>TCC: Tagliabue Closed Cup</li> <li>TDG: Canadian Transportation of Dangerous Goods Act &amp; Regulations</li> <li>TLV: Threshold Limit Values</li> </ul>
	TWA: Time Weighted Average WHMIS: Workplace Hazardous Materials Identification System
References	<ol> <li>ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents &amp; Biological Exposure Indices for 2014.</li> <li>International Agency for Research on Cancer Monographs, searched 2014.</li> <li>Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2014 (Chempendium, HSDB and RTECs).</li> <li>Material Safety Data Sheets from manufacturer</li> </ol>

5. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2014..

## 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)

: 07/27/2007

MSDS Revision Date (mm/dd/yyyy)

: 10/31/2014 Revision No. : 4

: (M)SDS sections updated: **Revision Information** 12. ECOLOGICAL INFORMATION

**END OF DOCUMENT** 

M3712C

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