

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

: **GUNK Tough Series Carpet & Upholstery Cleaner**

Product Code(s) : TCUC22C

Recommended use of the chemical and restrictions on use

: Carpet and upholstery cleaner.
Restrictions on use: Not available.

Chemical family : Mixture of: Water; salts; Surfactant; Propellant; Fragrances

Name, address, and telephone number of the supplier:

Radiator Specialty Co., of Canada

3-3055 Dundas St West, Suite 50
Mississauga, ON, Canada
L5L 3R8

Supplier's Telephone # : (905) 625-9117 (Mon. - Fri., 8 am - 4 pm)

24 Hr. Emergency Tel # : Not available.

Name, address, and telephone number of the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Colourless liquid, contained in pressurized aerosol can. Floral odour.

Most important hazards:

Contents under pressure. Container may explode if heated.

Irritating to eyes and skin. Possible cancer hazard - contains material which may cause cancer. Occupational exposure to the substance or mixture may cause adverse effects. For further information, please refer to section 11 of the SDS.

Harmful to aquatic life. Avoid release to the environment. See Section 12 for more environmental 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)]. The below WHMIS 2015 classification and labeling information is being provided for informational purposes.

This material is classified as hazardous under Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).
Classification:

- Gas Under Pressure - Liquefied gas
- Skin corrosion/irritation - Category 2
- Eye damage/irritation - Category 2A
- Carcinogenicity - Category 2

Label elements

Hazard pictogram(s)



Signal Word

WARNING!

Hazard statement(s)

- Contains gas under pressure; may explode if heated.
- Causes skin irritation.
- Causes serious eye irritation.
- Suspected of causing cancer.

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Precautionary statement(s)

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash exposed skin thoroughly after handling.
Wear protective gloves/clothing and eye/face protection.

IF exposed or concerned: Get medical advice/attention.
If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Store locked up.
Protect from sunlight. Store in a well-ventilated place.

Dispose of contents/container in accordance with local regulation.

Other hazards

Other hazards which do not result in classification:

Toxic fumes, gases or vapours may evolve on burning. Mild respiratory irritant. May cause gastrointestinal irritation. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache). Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Liquefied petroleum gases	Propane-Isobutane mixture L.P.G.	68476-86-8	3.0 - 7.0
Diethylene glycol monoethyl ether	2-(2-ethoxyethoxy)ethanol DEGEE	111-90-0	1.0 - 5.0
Sodium metasilicate	Silicic acid, disodium salt	6834-92-0	0.1 - 1.0
sodium hydroxide	Caustic soda	1310-73-2	0.1 - 1.0
Cocamide diethanolamine	Cocoamide DEA	68603-42-9	0.1 - 1.0
Morpholine	Diethyleneimide oxide 1-oxa-4-azacyclohexane Tetrahydro-1,4-oxazine	110-91-8	0.1 - 1.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : If ingested, do not induce vomiting. Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.
- Inhalation* : If inhaled, move to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. IF exposed or concerned: Get medical advice/attention.
- Skin contact* : If on skin: Wash with plenty of water. Flush with large amounts of water for 15 minutes. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
- Eye contact* : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Flush eyes with water for at least 15 minutes. Immediately call a POISON CENTER or doctor/physician.

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Most important symptoms and effects, both acute and delayed

- : Causes skin irritation. Contact may cause redness, swelling and a painful sensation. Causes serious eye irritation. Symptoms may include severe pain, tearing, redness, swelling and blurred vision. Suspected of causing cancer. Symptoms may include abdominal pain, blood in the urine, jaundice, loss of appetite, and extreme fatigue. Mild respiratory irritant. May cause coughing and breathing difficulties. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache). Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights.

Indication of any immediate medical attention and special treatment needed

- : Provide general supportive measures and treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

- : Dry chemical, foam, carbon dioxide and water fog.

Unsuitable extinguishing media

- : Not available.

Special hazards arising from the substance or mixture / Conditions of flammability

- : This product is contained under pressure, and could explode when exposed to heat and flame. Toxic fumes, gases or vapours may evolve on burning.

Hazardous combustion products

- : Carbon oxides; Silicon oxides; Sodium oxides; Nitrogen oxides (NO_x); Ammonia; hydrogen cyanide; Nitriles; Nitrosamines; Other unidentified organic compounds.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire-fighting procedures

- : Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Shield personnel to protect from venting or rupturing containers. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : Wear appropriate protective equipment. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

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

Methods and material for containment and cleaning up

- : Ventilate area of release. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. For spilled liquids: absorb spill with inert, non-combustible material such as sand, then place into suitable containers. Keep in properly labelled containers. Notify the appropriate authorities as required. Refer to Section 13 for disposal of contaminated material.

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SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
 Use with adequate ventilation. Wear suitable protective equipment during handling. Wear protective gloves/clothing and eye/face protection. Avoid breathing fumes, mists or vapors. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Do not pierce or burn, even after use. Avoid contact with incompatible materials. Wash thoroughly after handling. Always replace cap after use.

Conditions for safe storage

- : Store in a cool, dry, well-ventilated area. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F. Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. Keep away from incompatibles.

Incompatible materials

- : Strong oxidizing agents; Acids; Nitrating agents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Liquefied petroleum gases	1000 ppm (as 'Butane, all isomers')	N/Av	1000 ppm (1800 mg/m ³) (as Propane)	N/Av
Diethylene glycol monoethyl ether	25 ppm (AIHA WEEL)	N/Av	N/Av	N/Av
Sodium metasilicate	N/Av	N/Av	N/Av	N/Av
sodium hydroxide	2 mg/m ³ (Ceiling)	N/Av	2 mg/m ³	N/Av
Cocamide diethanolamine	N/Av	N/Av	N/Av	N/Av
Morpholine	20 ppm (skin)	N/Av	20 ppm (70 mg/m ³) (skin)	N/Av

Exposure controls

Ventilation and engineering measures

- : Provide adequate ventilation. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory protection

- : If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with CSA Z94.4-02. Advice should be sought from respiratory protection specialists.

Skin protection

- : Wear protective gloves/clothing. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact.

Eye / face protection

- : Wear eye/face protection. Wear as appropriate: Tightly fitting safety goggles; Safety glasses with side shields. A full face shield may also be necessary.

Other protective equipment

- : An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.

General hygiene considerations

- : Avoid breathing fumes, mists or vapors. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse. Wash hands thoroughly after using this product, and before eating, drinking or smoking.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Colourless liquid, contained in pressurized aerosol can.
Odour	: Floral odour.
Odour threshold	: N/Av
pH	: < 13.0
Melting/Freezing point	: Melting point: N/Av Freezing point: N/Av
Initial boiling point and boiling range	: > 37.8°C (100°F)
Flash point	: None.
Flashpoint (Method)	: N/Av
Evaporation rate (BuAe = 1)	: < 1 (butyl acetate = 1)
Flammability (solid, gas)	: Not applicable.
Lower flammable limit (% by vol.)	: N/Av
Upper flammable limit (% by vol.)	: N/Av
Oxidizing properties	: No oxidizing properties.
Explosive properties	: Aerosols are sensitive to mechanical impact. Closed containers are contained under pressure and may explode if exposed to excess heat for a prolonged period of time.
Vapour pressure	: N/Av
Vapour density	: N/Av
Relative density / Specific gravity	: Relative density: 990 - 1020 kg/m ³ Specific Gravity: 0.99 - 1.02
Solubility in water	: Soluble
Other solubility(ies)	: N/Av
Partition coefficient: n-octanol/water or Coefficient of water/oil distribution	: N/Av
Auto-ignition temperature	: N/Av
Decomposition temperature	: N/Av
Viscosity	: N/Av
Volatiles (% by weight)	: N/Av
Volatile organic Compounds (VOC's)	: N/Av
Absolute pressure of container	: N/Av
Flame projection length	: None.
Other physical/chemical comments	: Flashback Observed: NO Chemical heat of combustion: 2.2 kJ/g (estimated) Alkali reserve = 0.071 g NaOH

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not normally reactive.
Chemical stability	: Stable under the recommended storage and handling conditions prescribed.
Possibility of hazardous reactions	: Hazardous polymerization does not occur. No dangerous reaction known under conditions of normal use.
Conditions to avoid	: Avoid heat and open flame. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.
Incompatible materials	: Strong oxidizing agents; Acids; Nitrating agents.

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Hazardous decomposition products

- : Not available.
In the event of fire: Refer also to hazardous combustion products, Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES

Routes of entry skin & eye : YES

Routes of entry Ingestion : YES

Routes of exposure skin absorption

: NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

- : Mild respiratory irritant. May cause coughing and breathing difficulties. In extremely high concentrations, product may act as an asphyxiant and cause increased breathing and pulse rates, fatigue and unconsciousness.

Sign and symptoms ingestion

- : Not an expected route of entry under normal conditions of use. 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. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).

Sign and symptoms skin

- : May cause moderate skin irritation. Contact may cause redness, swelling and a painful sensation. Prolonged contact, such as when trapped against the skin under clothing or jewelry, may be more irritating. If product is sprayed directly on skin, symptoms of frostbite may be experienced including numbness, prickling and itching.

Sign and symptoms eyes

- : Causes serious eye irritation. Symptoms may include severe pain, tearing, redness, swelling and blurred vision.

Potential Chronic Health Effects

- : Prolonged skin contact may cause dermatitis (rash), characterized by red, dry, itching skin. Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights.

Mutagenicity

- : No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

- : This material is classified as hazardous under Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification:
Carcinogenicity - Category 2. Suspected of causing cancer. Symptoms may include abdominal pain, blood in the urine, jaundice, loss of appetite, and extreme fatigue.
Contains the following chemical(s) listed as Group 2B (possibly carcinogenic) by IARC:
Cocamide diethanolamine.

Reproductive effects & Teratogenicity

- : This product is not expected to cause reproductive or developmental effects.

Sensitization to material

- : Not expected to be a skin or respiratory sensitizer.

Specific target organ effects

- : According to the classification criteria of Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015), this product is not expected to cause specific target organ toxicity (STOT) through single or repeated exposures.

Medical conditions aggravated by overexposure

- : Pre-existing skin, eye and respiratory disorders.

Synergistic materials

- : None known or reported by the manufacturer.

Toxicological data

- : Not classified for acute toxicity based on available data. No data is available on the product itself. See below for individual ingredient acute toxicity data.

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<u>Chemical name</u>	<u>LC₅₀ (4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Liquefied petroleum gases	276 000 ppm (Butane)	N/Ap (gas)	N/Ap (gas)
Diethylene glycol monoethyl ether	> 5.24 mg/L (aerosol) (No mortality)	5485 mg/kg	3670 mg/kg
Sodium metasilicate	> 2.06 mg/L (mist) (No mortality)	1152 - 1349 mg/kg	> 5000 mg/kg
sodium hydroxide	N/Av	N/Av	N/Av
Cocamide diethanolamine	N/Av	> 5000 mg/kg	> 2000 mg/kg (No mortality)
Morpholine	7.8 mg/L (vapour)	1050 mg/kg	500 mg/kg

Other important toxicological hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : Harmful to aquatic life. 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.

See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Liquefied petroleum gases	68476-86-8	N/Ap	N/Ap	N/Ap
Diethylene glycol monoethyl ether	111-90-0	13,417 mg/L (Rainbow trout)	N/Av	None.
Sodium metasilicate	6834-92-0	260 - 310 mg/L (Rainbow trout)	N/Av	None.
sodium hydroxide	1310-73-2	125 mg/L (Mosquito fish)	N/Av	None.
Cocamide diethanolamine	68603-42-9	3.6mg/L (Zebra fish)	N/Av	None.
Morpholine	110-91-8	> 100 mg/L (Japanese ricefish)	N/Av	None.

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Daphnia</u>		
		<u>EC50 / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Liquefied petroleum gases	68476-86-8	N/Ap	N/Ap	N/Ap
Diethylene glycol monoethyl ether	111-90-0	3996 mg/L (Daphnia magna)	N/Av	None.
Sodium metasilicate	6834-92-0	1700 mg/L (Daphnia magna)	N/Av	None.
sodium hydroxide	1310-73-2	40.4 mg/L (Daphnia magna)	N/Av	None.
Cocamide diethanolamine	68603-42-9	2.39mg/L Water flea	0.9 mg/L Water flea	None.
Morpholine	110-91-8	45 mg/L (Daphnia magna)	5 mg/L	None.

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<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Liquefied petroleum gases	68476-86-8	N/Ap	N/Ap	N/Ap
Diethylene glycol monoethyl ether	111-90-0	> 100 mg/L/96hr (Green algae)	≥ 100 mg/L/96hr	None.
Sodium metasilicate	6834-92-0	> 345 mg/L/72hr (Green algae)	160 mg/L/72hr	None.
sodium hydroxide	1310-73-2	N/Av	N/Av	None.
Cocamide diethanolamine	68603-42-9	2.2mg/L (Green algae)	N/Av	None.
Morpholine	110-91-8	58 mg/L/72hr (Green algae)	31 mg/L/72hr	None.

Persistence and degradability

- : No data is available on the product itself.
Contains the following chemicals which are not readily biodegradable: Sodium metasilicate; sodium hydroxide.
The following ingredients are considered to be readily biodegradable: Diethylene glycol monoethyl ether; Cocamide diethanolamine; Morpholine.

Bioaccumulation potential

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

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Liquefied petroleum gases (CAS 68476-86-8)	2.89 (Butane)	33 (Butane)
Diethylene glycol monoethyl ether (CAS 111-90-0)	- 0.69	3
Cocamide diethanolamine (CAS 68603-42-9)	3.52	102
Morpholine (CAS 110-91-8)	- 0.86	< 2.8

Mobility in soil

- : No data is available on the product itself.

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 in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. This material and its container must be disposed of in a safe way.

Methods of Disposal

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

SECTION 14. TRANSPORT INFORMATION

<u>Regulatory Information</u>	<u>UN Number</u>	<u>UN proper shipping name</u>	<u>Transport hazard class(es)</u>	<u>Packing Group</u>	<u>Label</u>
TDG	UN1950	AEROSOLS	2.2	None	
TDG Additional information	May be shipped as LIMITED QUANTITY when transported in containers no larger than 1.0 Litre, in packages not exceeding 30 kg gross mass. Under the TDG, refer to Section 1.17 for additional exemption requirements, if shipping under this exemption.				

Special precautions for user

- : Appropriate advice on safety must accompany the package. Keep away from heat, sparks and open flame. - No smoking.

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Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not applicable.

SECTION 15 - REGULATORY INFORMATION

Canadian Information:

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

Canadian National Pollutant Release Inventory (NPRI): This product contains the following substances listed on the NPRI:
Liquefied petroleum gases (as Propane) (Part 5: Individual Substances)

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

US Federal Information:

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

International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	<u>CAS #</u>	<u>European EINECs</u>	<u>Australia AICS</u>	<u>Philippines PICCS</u>	<u>Japan ENCS</u>	<u>Korea KECI/KECL</u>	<u>China IECSC</u>	<u>New Zealand IOC</u>
Liquefied petroleum gases	68476-86-8	270-705-8	Present	Present	Not listed	KE-28192	Present	May be used as a component in a product covered by a group standard, but is not approved for use as a chemical in its own right.
Diethylene glycol monoethyl ether	111-90-0	203-919-7	Present	Present	(7)-97; (2)-422	KE-10467	Present	HSR003154
Sodium metasilicate	6834-92-0	229-912-9	Present	Present	(1)-508	KE-12354	Present	HSR003511
sodium hydroxide	1310-73-2	215-185-5	Present	Present	(2)-1972; (1)-410	KE-31487	Present	HSR001547
Cocamide diethanolamine	68603-42-9	271-657-0	Present	Present	(8)-311	KE-03192	Present	HSR003347
Morpholine	110-91-8	203-815-1	Present	Present	(5)-859	KE-33492	Present	HSR001204

SECTION 16. OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Association
- AICS: Australian Inventory of Chemical Substances
- CAS: Chemical Abstract Services
- CSA: Canadian Standards Association
- EC50: Effective Concentration 50%
- EINECS: European Inventory of Existing Commercial chemical Substances
- ENCS: Existing and New Chemical Substances
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- IBC: Intermediate Bulk Container
- IECSC: Inventory of Existing Chemical Substances
- IMDG: International Maritime Dangerous Goods
- Inh: Inhalation
- IOC: Inventory of Chemicals

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KECI: Korean Existing Chemicals Inventory
KECL: Korean Existing Chemicals List
LC: Lethal Concentration
LD: Lethal Dose
N/Ap: Not Applicable
N/Av: Not Available
NIOSH: National Institute of Occupational Safety and Health
NOEC: No observable effect concentration
NTP: National Toxicology Program
OECD: Organisation for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PEL: Permissible exposure limit
PICCS: Philippine Inventory of Chemicals and Chemical Substances
RTECS: Registry of Toxic Effects of Chemical Substances
SCBA: Self-Contained Breathing Apparatus
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TWA: Time Weighted Average
WEEL: Workplace Environmental Exposure Level
WHMIS: Workplace Hazardous Materials Identification System

References

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2018.
- 2. International Agency for Research on Cancer Monographs, searched 2019.
- 3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2019 (Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2019.

Preparation Date (mm/dd/yyyy)

: 03/25/2019

Other special considerations for handling

:

<p><u>Prepared for:</u> Radiator Specialty Co. of Canada 3-3055 Dundas St West, Suite 50 Mississauga, ON, Canada, L5L 3R8 Telephone: 905-625-9117 (Mon. - Fri., 8 AM - 4 PM) Please direct all enquiries to Radiator Specialty.</p>	
<p><u>Prepared by:</u> ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada) http://www.thecompliancecenter.com</p>	

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