



TREMPROOF 250 GC-R-LV 5 GAL

Version 4.0
 REVISION DATE: 07/07/2012

Print Date 07/08/2012

SECTION 1 - PRODUCT IDENTIFICATION / PREPARATION INFORMATION

Product Information

Trade name : TREMPROOF 250 GC-R-LV 5 GAL
 Product code : 304510LV805

Supplier : Tremco Canada division
 220 Wicksteed Avenue
 Toronto, ON M4H 1G7

Telephone : (416) 421-3300
 Emergency Phone: : (613) 996-6666

Product use : Coating

Preparation Information

Prepared by: : Sewnauth Raghunandan
 Date: : 07/07/2012
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SECTION 2 - HAZARDS IDENTIFICATION

Emergency Overview

Black. Liquid. May cause moderate irritation to the respiratory system. May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry

- Inhalation : May cause moderate irritation to the respiratory system. May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue.
- Eyes : Vapor and/or mist may cause eye irritation. Direct contact may cause temporary redness and discomfort.
- Ingestion : May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea, and vomiting.
- Skin : May cause moderate irritation.

Aggravated Medical Conditions

Pre-existing eye, skin, liver, kidney, and respiratory disorders may be aggravated by exposure.

Chronic Health Effects

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Aromatic tar contains polycyclic aromatic hydrocarbons, some of which have been shown to cause skin cancer following prolonged and repeated skin contact. Should be considered potentially carcinogenic by inhalation. Prolonged or repeated exposure to butyl benzyl phthalate may cause reduced body weights and adverse effects on the liver, kidney, spleen, pancreas, and reproductive organs. Carbon black is classified by IARC to be a known animal carcinogen and a possible human carcinogen (Group 2B). Carbon black is encapsulated by resin and not expected to have adverse effects unless made airborne. Di(2-ethylhexyl) phthalate, (dioctyl phthalate) given in the diet, produced increased incidence of liver cancers in female rats and male and female mice. An increased incidence of liver cancers or neoplasms were observed in male rats. The International Agency for Research on Cancer (IARC) has evaluated ethylbenzene and classified it as a possible

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human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. Fillers are encapsulated and not expected to be released from product under normal conditions of use. Prolonged or repeated exposure to mineral spirits (petroleum naphtha or stoddard solvent) may cause defatting, drying, and irritation of the skin, dermatitis, central nervous system (CNS) effects, and adverse liver, kidney, and lung effects.

Target Organs: Skin, Eye, Lung, Liver, Kidney, Nerve, Reproductive

SECTION 3 : HAZARDOUS INGREDIENTS

Chemical Name	CAS-No.	Weight % Range
Aromatic process oil	64742-90-1	30.0 - 60.0
P-chlorobenzotrifluoride	98-56-6	7.0 - 13.0
Butyl benzyl phthalate	85-68-7	5.0 - 10.0
Stoddard solvent (Mineral Spirits)	8052-41-3	3.0 - 7.0
Carbon Black	1333-86-4	1.0 - 5.0
Calcium oxide	1305-78-8	1.0 - 5.0
Anthracene	120-12-7	1.0 - 5.0
Xylene	1330-20-7	0.5 - 1.5
Isophorone Diisocyanate	4098-71-9	0.1 - 1.0
Ethylbenzene	100-41-4	0.1 - 1.0
Dioctyl phthalate	117-81-7	0.1 - 1.0

The ingredients listed above are hazardous as defined in the controlled products regulation. (CPR).

SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation	:	Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
Eye contact	:	Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.
Skin contact	:	Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
Ingestion	:	Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

SECTION 5: FIRE / EXPLOSION HAZARDS

Flash point	:	150 °F, 66 °C
Method	:	Setaflash Closed Cup
Lower explosion limit	:	Not available.
Upper explosion limit	:	Not available.
Autoignition temperature	:	Not available.
Extinguishing media	:	If water fog is ineffective, use carbon dioxide, dry chemical or foam.
Hazardous combustion products	:	Smoke, fumes. Carbon monoxide and carbon dioxide can form. Nitrogen oxides can form.

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- Protective equipment for firefighters : Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). Water may be used to cool containers to minimize pressure build-up.
- Fire and explosion conditions : Vapor concentrations in enclosed areas may ignite explosively. Product may ignite if heated in excess of its flash point. Vapors may travel to sources of ignition and flashback. Closed container, may burst when exposed to extreme heat. Empty containers may contain ignitable vapors.

SECTION 6 - SPILLS / LEAKS / ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Remove sources of ignition immediately. Stop flow of material if safe to do so. Contain spill and keep out of water courses. Ventilate area.

SECTION 7 - HANDLING AND STORAGE

Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. To prevent generation of static discharges, use bonding/grounding connection when pouring liquid. Extinguish all ignition sources including pilot lights, non-explosion proof motors and electrical equipment until vapors dissipate. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Keep container closed when not in use. Vapor may migrate to sources of ignition. Do not smoke, weld, generate sparks, or use flame near container. Store in sealed containers in a cool, dry, ventilated warehouse location.

SECTION 8 - PREVENTIVE MEASURES/EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection equipment

- Respiratory protection : Wear appropriate, properly fitted NIOSH/MSHA approved organic vapor or supplied air respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
- Hand protection : Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure.
- Eye protection : Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
- Protective measures : Use professional judgment in the selection, care, and use. Inspect and replace equipment at regular intervals.
- Engineering measures : Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

Exposure Limits

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Regulation</u>	<u>Limit</u>	<u>Form</u>
Butyl benzyl phthalate	85-68-7			
Stoddard solvent (Mineral Spirits)	8052-41-3	Ontario TWAEV: ACGIH TWA:	525 mg/m3 100 ppm	

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Chemical Name	CAS Number	Regulation	Limit	Form
Carbon Black	1333-86-4	Ontario TWAEV: ACGIH TWA:	3.5 mg/m3 3.5 mg/m3	
Calcium oxide	1305-78-8	Ontario TWAEV: ACGIH TWA:	2 mg/m3 2 mg/m3	
Anthracene	120-12-7			
Xylene	1330-20-7	Ontario TWAEV: Ontario STEV: ACGIH TWA: ACGIH STEL:	435 mg/m3 650 mg/m3 100 ppm 150 ppm	
Isophorone Diisocyanate	4098-71-9	Ontario TWAEV: ACGIH TWA:	0.005 ppm 0.005 ppm	
Ethylbenzene	100-41-4	Ontario TWAEV: Ontario STEV: ACGIH TWA: ACGIH STEL:	435 mg/m3 540 mg/m3 100 ppm 125 ppm	
Dioctyl phthalate	117-81-7	Ontario TWAEV: Ontario STEV: ACGIH TWA:	3 mg/m3 5 mg/m3 5 mg/m3	

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid
Form	: Liquid
Color	: Black
Odor	: Aromatic Solvent
pH	: Not available.
Vapour pressure	: Not available.
Vapor density	: Heavier than air
Melting point/range	: Not available.
Freezing point	: Not available.
Boiling point/range	: Not available.
Water solubility	: Negligible
Evaporation Rate:	: Not available.
Specific Gravity	: 1.09
% Volatile Weight	: 16 %

SECTION 10 - REACTIVITY / STABILITY

Substances to avoid	: Oxidizing agents.Strong acids.Strong bases.
Stability	: Stable under normal conditions. Avoid welding arcs, flames or other high

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Hazardous polymerization : Will not occur.
 temperature sources.

SECTION 11 - TOXICOLOGICAL INFORMATION

Butyl benzyl phthalate, CAS-No.: 85-68-7
 Acute oral toxicity (LD-50 oral) 13,500 mg/kg (Rat)

Xylene, CAS-No.: 1330-20-7
 Acute oral toxicity (LD-50 oral) 4,300 mg/kg (Rat) 1,590 mg/kg (Mouse) 6,670 mg/kg (Rat) 3,523 - 8,600 mg/kg (Rat) 5,627 mg/kg (Mouse)
 Acute inhalation toxicity (LC-50) 6,350 mg/l for 4 h (Rat) 3,907 mg/l for 6 h (Mouse) 8,000 mg/l for 4 h (Rat)

Isophorone Diisocyanate, CAS-No.: 4098-71-9
 Acute oral toxicity (LD-50 oral) 2,500 mg/kg (Mouse) 1,000 mg/kg (Rat)
 Acute inhalation toxicity (LC-50) 0.033 mg/l for 4 h (Rat) 0.123 mg/l for 4 h (Rat)
 Acute dermal toxicity (LD-50 dermal) 1,060 mg/kg (Rat)

Ethylbenzene, CAS-No.: 100-41-4
 Acute oral toxicity (LD-50 oral) 5,460 mg/kg (Rat) 3,500 mg/kg (Rat)
 Acute dermal toxicity (LD-50 dermal) 17,800 mg/kg (Rabbit)

Diocetyl phthalate, CAS-No.: 117-81-7
 Acute oral toxicity (LD-50 oral) 25,000 mg/kg (Rat) 25,000 mg/kg (Rat) 30,000 mg/kg (Mouse) 33,900 mg/kg (Rabbit) 26,300 mg/kg (Guinea pig)
 Acute dermal toxicity (LD-50 dermal) 25,000 mg/kg (Rabbit) 10,000 mg/kg (Guinea pig) 25,000 mg/kg (Rabbit)

SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Disposal Method : Dispose according to all applicable regulations (hazardous household waste depot, or as liquid industrial waste for industrial product).

SECTION 14 - TRANSPORTATION / SHIPPING DATA

TDG:

Not Regulated

CFR / DOT:

Not Regulated



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IMDG:

Not Regulated

SECTION 15 - REGULATORY INFORMATION

North American Inventories:

All components are listed or exempt from the TSCA inventory.
This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

Canadian Regulations:

WHMIS Classification : B3, D2A, D2B
This is a "controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

Other Regulations:

Regulatory VOC (less water and exempt solvent) : 100 g/l

SECTION 16 - OTHER INFORMATION

HMIS Rating :

Health	2
Flammability	2
Reactivity	1
PPE	

- 0 = Minimum
- 1 = Slight
- 2 = Moderate
- 3 = Serious
- 4 = Severe

Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

Prepared by: Sewnauth Raghunandan

Legend

- ACGIH - American Conference of Governmental Hygienists
- DOT - Department of Transportation
- DSL - Domestic Substance List
- EPA - Environmental Protection Agency
- HMIS - Hazardous Materials Information System
- IARC - International Agency for Research on Cancer
- MSHA - Mine Safety Health Administration
- NDSL - Non-Domestic Substance List
- NIOSH - National Institute for Occupational Safety and Health
- NTP - National Toxicology Program
- OSHA - Occupational Safety and Health Administration
- PEL - Permissible Exposure Limit
- RCRA - Resource Conservation and Recovery Act
- STEL - Short Term Exposure Limit
- TLV - Threshold Limit Value
- TSCA - Toxic Substances Control Act
- TWA - Time Weighted Average
- V - Volume
- VOC - Volatile Organic Compound
- WHMIS - Workplace Hazardous Materials Information System