

TREMPROOF 250 GC-R-LV 5 GAL

Version 2.0

Print Date 07/09/2012

REVISION DATE: 07/08/2012

SECTION 1 - PRODUCT IDENTIFICATION

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

COMPANY : Tremco Incorporated
 3735 Green Road
 Cleveland, OH 44122

Telephone : (216) 292-5000 8:30 - 5:00 EST
 Emergency Phone: : (216) 765-6727 8:30 - 5:00 EST
 After Hours: Chemtrec 1-800-424-9300

Product use : Coating

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 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.

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

SECTION 3 - PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Aromatic process oil	64742-90-1	30.0 - 60.0
Polyurethane Polymer	NJ TSRN# 51721300-5358P	15.0 - 40.0
Calcium Carbonate (Limestone)	1317-65-3	7.0 - 13.0
P-chlorobenzotrifluoride	98-56-6	7.0 - 13.0
Butyl benzyl phthalate	85-68-7	5.0 - 10.0
Polyvinyl chloride	9002-86-2	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
Isophorone Diisocyanate	4098-71-9	- <1.0
Ethylbenzene	100-41-4	- <1.0
Dioctyl phthalate	117-81-7	- <1.0
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	- <0.1

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 FIGHTING MEASURES

Flash point	:	150 °F, 66 °C
Method	:	Setafash 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.
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.



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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 - 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 - 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

Chemical Name	CAS Number	Regulation	Limit	Form
Calcium Carbonate (Limestone)	1317-65-3	OSHA PEL:	5 mg/m3	Respirable fraction.
		OSHA PEL:	15 mg/m3	Total dust.
		ACGIH TWA:	3 mg/m3	Respirable particles.
		ACGIH TWA:	10 mg/m3	Inhalable particles.
		OSHA TWA:	15 mg/m3	Total dust.
		OSHA TWA:	5 mg/m3	Respirable fraction.

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<u>Chemical Name</u>	<u>CAS Number</u>	<u>Regulation</u>	<u>Limit</u>	<u>Form</u>
Stoddard solvent (Mineral Spirits)	8052-41-3	ACGIH TWA: OSHA PEL:	100 ppm 2,900 mg/m3	
Carbon Black	1333-86-4	ACGIH TWA: OSHA PEL: OSHA TWA: OSHA TWA:	3.5 mg/m3 3.5 mg/m3 15 mg/m3 5 mg/m3	Total dust. Respirable fraction.
Calcium oxide	1305-78-8	ACGIH TWA: OSHA PEL: OSHA TWA: OSHA TWA:	2 mg/m3 5 mg/m3 15 mg/m3 5 mg/m3	Total dust. Respirable fraction.
Isophorone Diisocyanate	4098-71-9	ACGIH TWA:	0.005 ppm	
Ethylbenzene	100-41-4	ACGIH TWA: ACGIH STEL: OSHA PEL:	100 ppm 125 ppm 435 mg/m3	
Diocetyl phthalate	117-81-7	ACGIH TWA: OSHA PEL:	5 mg/m3 5 mg/m3	
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	OSHA TWA: OSHA TWA: OSHA PEL: OSHA PEL: ACGIH TWA:	0.1 mg/m3 0.3 mg/m3 15 mg/m3 5 mg/m3 0.025 mg/m3	Respirable. Total dust. Total dust. Respirable fraction. Respirable fraction.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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
Specific Gravity	: 1.09
% Volatile Weight	: 16 %

SECTION 10 - REACTIVITY / STABILITY

Substances to avoid : Oxidizing agents.Strong acids.Strong bases.

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Stability : Stable under normal conditions. Avoid welding arcs, flames or other high temperature sources.

Hazardous polymerization : Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Butyl benzyl phthalate, CAS-No.: 85-68-7

Acute oral toxicity (LD-50 oral) 13,500 mg/kg (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)

Dioctyl 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 - DISPOSAL CONSIDERATIONS

Disposal Method : Subject to hazardous waste treatment, storage, and disposal requirements under RCRA. Recycle or incinerate waste at EPA approved facility or dispose of in compliance with federal, state and local regulations.

SECTION 14 - TRANSPORTATION / SHIPPING DATA**CFR / DOT:**

Not Regulated

TDG:

Not Regulated

IMDG:

Not Regulated



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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.

U.S. Federal Regulations:

SARA 313 Components : Anthracene 120-12-7
 Ethylbenzene 100-41-4
 Dioctyl phthalate 117-81-7

SARA 311/312 Hazards : Acute Health Hazard
 Chronic Health Hazard
 Fire Hazard

OSHA Hazardous Components :

Aromatic process oil 64742-90-1
 Calcium Carbonate (Limestone) 1317-65-3
 Butyl benzyl phthalate 85-68-7
 Stoddard solvent (Mineral Spirits) 8052-41-3
 Carbon Black 1333-86-4
 Calcium oxide 1305-78-8
 Anthracene 120-12-7
 Isophorone Diisocyanate 4098-71-9
 Ethylbenzene 100-41-4
 Dioctyl phthalate 117-81-7
 Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

OSHA Status: Considered : Irritant
 hazardous based on the Carcinogen
 following criteria:

OSHA Flammability : IIIA

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

VOC Method 310 : 8 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:

Butyl benzyl phthalate 85-68-7
 Carbon Black 1333-86-4

U.S. State Regulations:

MASS RTK Components : Calcium Carbonate (Limestone) 1317-65-3
 Butyl benzyl phthalate 85-68-7
 Stoddard solvent (Mineral Spirits) 8052-41-3
 Carbon Black 1333-86-4
 Calcium oxide 1305-78-8
 Anthracene 120-12-7
 Isophorone Diisocyanate 4098-71-9
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Penn RTK Components	:	Aromatic process oil Polyurethane Polymer Calcium Carbonate (Limestone) P-chlorobenzotrifluoride Butyl benzyl phthalate Polyvinyl chloride Stoddard solvent (Mineral Spirits) Carbon Black Calcium oxide Anthracene	64742-90-1 NJ TSRN# 51721300-5358P 1317-65-3 98-56-6 85-68-7 9002-86-2 8052-41-3 1333-86-4 1305-78-8 120-12-7
NJ RTK Components	:	Aromatic process oil Polyurethane Polymer Calcium Carbonate (Limestone) P-chlorobenzotrifluoride Butyl benzyl phthalate Stoddard solvent (Mineral Spirits) Carbon Black Calcium oxide	64742-90-1 NJ TSRN# 51721300-5358P 1317-65-3 98-56-6 85-68-7 8052-41-3 1333-86-4 1305-78-8

Components under California Proposition 65:

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm

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: Rich Mikol

Legend

ACGIH - American Conference of Governmental Hygienists
 CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
 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

PEL - Permissible Exposure Limit
 RCRA - Resource Conservation and Recovery Act
 RTK - Right To Know
 SARA - Superfund Amendments and Reauthorization 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



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OSHA - Occupational Safety and Health Administration