R-Mer Coat PVDF Primer

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: NA Date of issue: 08/11/2017 Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: R-Mer Coat PVDF Primer

Product Code: 1532-5UN

Intended Use of the Product

Primer. For official use only.

Name, Address, and Telephone of the Responsible Party

Manufacturer

The Garland Company, Inc.
3800 East 91st Street
Cleveland, Ohio 44105-2197
T-800-762-8225
F-216-641-0633
www.garlandco.com

Supplier

The Garland Company, Inc.
3800 East 91st Street
Cleveland, Ohio 44105-2197
T-800-762-8225
F-216-641-0633
www.garlandco.com

Emergency Telephone Number

Emergency number : 1-800-762-8225 24 hours

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Comb. Liq. 3 H227
Skin Irrit. 2 H315

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :

Signal Word (GHS-US) : Warning

Hazard Statements (GHS-US) : H227 - Combustible Liquid
H315 - Causes skin irritation

Precautionary Statements (GHS-US) : P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P235 - Keep cool.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P280 - Wear eye protection, protective gloves.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P332 + P313 - If skin irritation occurs: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.
P370 + P378 - In case of fire: Use Section 5 for extinction.
P403 + P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container according to local, regional, national, and international regulations.

Other Hazards

Other Hazards Not Contributing to the Classification: Not available

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product identifier	% (w/w)
Titanium dioxide	(CAS No) 13463-67-7	1-5%
Di (propylene glycol) methyl ether, mixture of isomers	(CAS No) 34590-94-8	1-5%

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: Move affected person to fresh air, rest in half upright position, and loosen clothing. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Seek medical advice after significant exposure.

Skin Contact: Wash thoroughly with soap and water immediately. Remove all contaminated clothing immediately. Seek medical advice if irritaion persists.

Eye Contact: Flush with large amounts of water for 15 minutes. Lift eyelids occasionally. Get prompt medical attention.

Ingestion: Seek medical advice. The decision to induce vomitting or not must be made by a physician afte rcareful consideration of all materials ingested. Risk of aspiration into lungs.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam, water spray, fog.

Explosion Hazard: Vapors are heavier than air and may travle along the ground to an ignition source some distance from material handling point. Ignition sources include pilot lights, smoking, heaters, eletric motors, sparks from electrical switches and static discharges.

CAUTION: Never use cutting torch on empty containers. Residual solvent vapor in empty container may explode. Application to hot surfaces requires special precautions. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Hazardous Combustion Products: N/A

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Handle in accordance with good industrial hygiene and safety practice.

For Non-Emergency Personnel

Evacuate and isolate the area and prevent access. Remove ignition sources. No flames, smoking or flares in hazard area. Notify management. Avoid breathing vapor or mist and put on protective equipment. Control source of the leak.

For Emergency Personnel

See Section 8 for any specialized clothing recommendations.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Absorb and/or contain spill with inert material.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Wash hands and forearms thoroughly after handling.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Temperature: Do not freeze. Maximum 104°F

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Titanium dioxide	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	N/A
Di (propylene glycol) methyl ether, mixture of isomers	100 ppm TWA; 600 mg/m3 TWA	150 ppm STEL 100 ppm TWA	NIOSH: 100 ppm TWA; 600 mg/m3 TWA 150 ppm STEL 900 mg/m3

Exposure Controls

Appropriate Engineering Controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation, or other controls to keep air containment concentration below current applicable OSHA PEL's or ACGIH TLV limit and volatiles below lower explosive limit. Heavy solvent vapors should be removed from the lower levels of area, and all ignition sources should be eliminated if flammable will be encountered. Remove decomposition products formed during welding or flame cutting of surfaces coated with this product. For baking finishes-vent vapors emitted on heating.

Personal Protective Equipment: Gloves. Protective goggles.

Materials for Protective Clothing: Not available

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	:	Liquid
Appearance	:	White
% Volume Solids	:	38.02
% Weight Solids	:	41.69
Boiling Point	:	100 °C (212°F)
Autoignition Temperature	:	270°C
Flash Point	:	167°F/75°C
Specific Gravity	:	1.084
VOC Wt./Gal (wet)	:	.33

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable at standard temperature and pressure.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Oxidizing agents and strong acids

Incompatible Materials: None known.

Hazardous Decomposition Products: Titanium oxides, carbon oxides

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified

LD50 and LC50 Data: Not available

Possible Routes of Entry: Inhalation, Skin Contact, Eye Contact, Ingestion

Potential Target Organs: Eyes, Lungs, Central Nervous System, Respiratory System

The following components are possible carcinogens:

Description	% Weight	Carcinogen Rating
Titanium Dioxide	1-5%	Titanium dioxide dust; NIOSH: potential occupation carcinogen; IARC: possible carcinogen OSHA: listed

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Titanium dioxide (13463-67-7)	
LD50 Oral Rat	> 10000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Mixture Ecotoxicity

Toxicity: Do not release into environment. May cause long term adverse effects.

Persistence and Degradability: N/A

Bioaccumulative Potential: N/A

Mobility In Soil: N/A

Component Ecotoxicity

Di (propylene glycol) methyl ether, mixture of isomers	96 Hr LC50 Pimephales promelas:> 10000 mg/L 48 Hr LC 50 Daphnia magna: 1919 mg/L

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT Not regulated for transport

14.2 In Accordance with IMDG Not regulated for transport

14.3 In Accordance with IATA Not regulated for transport

14.4 In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

US State Regulations

Titanium dioxide	
U.S. - California - Proposition 65 - Carcinogens List	WARNING: This product contains chemicals known to the State of California to cause cancer.

Titanium dioxide; Di (propylene glycol) methyl ether, mixture of isomers
RTK - U.S. - Massachusetts - Right To Know List
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
RTK - U.S. - Pennsylvania - RTK (Right to Know) List

Canadian Regulations

Titanium dioxide (13463-67-7)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

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

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 08/11/2017

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

The Garland Company, Inc.
3800 East 91st Street
Cleveland, Ohio 44105-2197
T-800-762-8225

This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety, and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.

North America GHS US 2017 & WHMIS