



Safety Data Sheet

Section 1 - Chemical Product and Company Information

Product Name: Copper Product Code: SCA-ML-3070

Trade Name: Copper

Manufactured by:
Smith Paint Products
2200 Paxton Street
Harrisburg, PA 17111
(800) 466-8781

Chemtrec
2900 Fairview Park Drive
Falls Church, VA 22042-4513
(800) 262-8200

Emergency Hot Line:
(800) 424-9300

Section 2 - Hazards Identification

GHS Ratings:

GHS Hazards

GHS Precautions

Signal Word:

Section 3 - Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
	Inert	40.00% - 50.00%
Water softened	7732-18-5	30.00% - 40.00%
MICA	12001-26-2	5.00% - 10.00%
2,2,4-TRIMETHYL 1,3- PENTENDIOL MONOISOBUTYRATE	25265-77-4	1.00% - 5.00%
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	6846-50-0	1.00% - 5.00%
TITANIUM DIOXIDE	13463-67-7	1.00% - 5.00%

Section 4 - First Aid Measures

INHALATION - If product solids are inhaled either as dust or in the form of a spray mist, remove the person from exposure immediately. If breathing is difficult, irregular, or has stopped, start resuscitation; call a physician. Administer oxygen if a qualified operator is available.

EYE CONTACT - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes.

SKIN CONTACT - In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water. Call a POISON CENTER or doctor/physician if you feel unwell.

INGESTION - If material is ingested, seek immediate medical attention. Rinse mouth thoroughly. Do not induce vomiting.

Notes to Physician: Symptoms may be delayed.

Section 5 - Fire Fighting Measures

Flash Point: > 100 C (>212 F)

LEL:

UEL:

Flammable Limits:

EXTINGUISHING MEDIA: Use carbon dioxide (CO₂), "alcohol" foam, dry chemical, or water spray/water fog extinguishing systems.

UNUSUAL FIRE OR EXPLOSION HAZARDS: The product vapor is heavier than air and may travel a considerable distance to a source of ignition and flashback.

HAZARDOUS COMBUSTION PRODUCTS: See section 10 for a list of hazardous decomposition products for this mixture.

FIRE FIGHTING: If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

FIRE FIGHTING EQUIPMENT: Firemen and emergency responders: wear full turnout gear or Level A equipment, including positive-pressure, self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

SPILL AND LEAK PROCEDURES: Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.

SMALL SPILLS: Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Use an absorbent like sawdust for aqueous, waterborne, and solvent-borne coatings.

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

LARGE SPILLS: Prevent this material from entering sewers and watercourses by diking or impounding the spilled material. Advise authorities if the product has entered or may enter, sewers, watercourses, or extensive land areas.

Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Use an absorbent like sawdust for aqueous, waterborne, and solvent-borne coatings.

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes.

Label the waste container. Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

Section 7 - Handling and Storage

HANDLING PRECAUTIONS: Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers closed when not in use. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C).

STORAGE: Prevent from freezing. Do not store above 120 F (49 C).

Store only in original containers.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Inert	Not Established	Not Established	Not Established
Water softened 7732-18-5	No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.	No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.	Not Established
MICA 12001-26-2	-	TWA: 3 mg/m ³ respirable fraction	Not Established
2,2,4-TRIMETHYL 1,3-PENTENDIOL MONOISOBUTYRATE 25265-77-4	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	Not Established
2,2,4-Trimethyl-1,3-pentenediol diisobutyrate 6846-50-0	No component of this product presents at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	No component of this product presents at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.	Not Established
TITANIUM DIOXIDE 13463-67-7	15 mg/m ³	10 mg/m ³	Not Established

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstance:

<p>Explosive Limits: Not Determined</p> <p>Autoignition temperature: 388°C</p> <p>Viscosity: Not Determined</p> <p>Appearance: Liquid</p> <p>Specific Density: 1.08</p>	<p>Partition coefficient (n- Not Determined octanol/water):</p> <p>Decomposition temperature: Not Determined</p> <p>Grams VOC/liter less water 0.23</p> <p>Odor: Slight Amine</p> <p>Melting point: Not Determined</p>
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Freezing point: 0°C Boiling range: 100 - 280°C Evaporation rate: Not Applicable Vapor Pressure: N/A Vapor Density: 2.0	Solubility: Not Determined Flash point: >212°F,>100°C Flammability: Not Applicable Odor threshold: Not Determined pH: 9.5 - 10.0
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Section 10 - Stability and Reactivity

Stability:

STABLE

Incompatibilities/Conditions to avoid: Elevated temperatures. Contact with oxidizing agent/oxidizers.

Hazardous Decomposition: Can produce Carbon Monoxide and/or Carbon Dioxide.

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Inhalation Toxicity LC50: 395mg/L

Component Toxicity

25265-77-4	2,2,4-TRIMETHYL 1,3- PENTENDIOL MONOISOBUTYRATE Inhalation LC50: 4 mg/L (Rat)
6846-50-0	2,2,4-Trimethyl-1,3-pentanediol diisobutyrate Oral LD50: 3,200 mg/kg (Rat)
13463-67-7	TITANIUM DIOXIDE Oral LD50: 5,000 mg/kg (Rat) Inhalation LC50: 7 mg/L (Rat)

Primary routes of entry: Inhalation, Skin contact.

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
13463-67-7	TITANIUM DIOXIDE	1% - 5%	TITANIUM DIOXIDE:

Section 12 - Ecological Information

Component Ecotoxicity

Water softened	Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.	
MICA	No Data Available	
2,2,4-TRIMETHYL 1,3-PENTENDIOL MONOISOBUTYRATE	Toxicity Acute Toxicity Fish Product: No data available.	
	Specified substance(s) 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate : 33 mg/l	LC-50 (Flathead Minnow, 96h)
	Aquatic invertebrates	

Product No data available.

Specified substance(s)
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate EC-50 (Water Flea, 48h):
147.8 mg/l

Chronic Toxicity

Fish
Product: No data available.

Specified substance(s)
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate No data available

Aquatic invertebrates
Product No data available

Specified substance(s)
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate No data available

Mobility in soil: Log Koc - log koc: 1.5 - 2.8

Results of PBT and vPvB assessment: No data available.
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (persistent/bioaccumulative/toxic) criteria Not fulfilling PBT

Other adverse effects: No data available

2,2,4-Trimethyl-1,3-pentanediol diisobutyrate

Freshwater Fish
LC50: > 1.55 mg/L, 96h
static (Pimephale

Water Flea
EC5 = 1.46 mg/L, 48h

Persistence and Degradability: Insoluble in water Persistence is unlikely based on information available.

Bioaccumulation/ Accumulation: No information available.

Mobility: No information available.

TITANIUM DIOXIDE

Ecotoxicity:
Fish: LC 50 - fathead minnow - > 1,000 mg/l - 96h
Invertebrates: EC 50 - Daphnia magna (water flea) - > 1,000 mg/l - 48h

Persistence and degradability:
Readily degradable in the environment.

Bioaccumulative potential: No additional information.

Mobility in soil: No additional information.

Other adverse effects: No additional information.

Section 13 - Disposal Considerations

Dispose in accordance with all applicable regulations.

Section 14 - Transport Information

This material is classified for transport as follows:

As cited in the IATA Dangerous Goods Handbook:

Section 3.3.1.3: Liquids described in Section 3.3.1.2 with a flash point exceeding 35°C which do not sustain combustion need not be considered as flammable liquids for the purpose of these Regulations

(b) their fire point according to ISO 2592:1973 is greater than 100°C

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
ADR/RID		Unregulated		Non Hazardous
DOT		Unregulated		Non Hazardous
IATA		Unregulated		Non Hazardous
IMDG		Unregulated		Non Hazardous

Section 15 - Regulatory Information

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING!

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

13463-67-7 TITANIUM DIOXIDE Carcinogen

R2K List

12001-26-2 MICA

13463-67-7 TITANIUM DIOXIDE

Section 16 - Other Information

The material contained in this Safety Data Sheet is based on information supplied to Smith Paint Products by the raw material suppliers of the individual components of this product. Smith Paint Products believes this information is truthful and reliable. However, no warranty is expressed or implied regarding the accuracy of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and health and safety of your employees and users of this material. As more information becomes available from our vendors additional revisions will be forthcoming.

Date Prepared: 7/25/2018