



Mercury Paint

Issuing Date No data available

SAFETY DATA SHEET

Revision Date 25-Jun-2015



Revision Number 1



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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name SERIES 2100 100% ACRYLIC METAL PRIMER

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Paint, Latex

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name MERCURY PAINT

Supplier Address 4808 FARRAGUT ROAD
BROOKLYN
NY
11203
US

Supplier Phone Number Phone:7184698787
Fax:7184698787

Supplier Email VGANDHI@MERCURYPAIN.COM

Emergency telephone number

Company Emergency Phone Number CHEMTREC18004249300

2. HAZARDS IDENTIFICATION

Classification


This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Carcinogenicity	Category 2
Reproductive Toxicity	Category 2
Flammable liquids	Category 4



GHS Label elements, including precautionary statements

Emergency Overview

Signal word	Warning
Hazard Statements Suspected of causing cancer Suspected of damaging fertility or the unborn child Combustible liquid	
	
Appearance White & Multiple Colors	Physical state Liquid
Odor Ammonia	

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Fire

In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

Not applicable

Other information

Harmful to aquatic life with long lasting effects
 PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

Interactions with Other Chemicals

No information available.



3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Titanium dioxide	13463-67-7	10 - 30	*
Diethylene glycol monomethyl ether	111-77-3	1 - 5	*
2-Propanol, 1-(2-butoxy-1-methylethoxy)-	29911-28-2	1 - 5	*
2,2,4-Trimethylpentane-1,3-diol monoisobutyrate	25265-77-4	1 - 5	*
Zinc oxide	1314-13-2	0.1 - 1	*
Polyethylene glycol branched nonylphenyl ether	68412-54-4	0.1 - 1	*
Trizinc diphosphate	7779-90-0	0.1 - 1	*
Sodium nitrite	7632-00-0	0.1 - 1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures

- Eye contact** Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
- Skin contact** Wash with soap and water.
- Inhalation** Remove to fresh air.
- Ingestion** Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.
- Self-protection of the first aider** Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.



5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

Uniform Fire Code Combustible Liquid: III-A

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with eyes. Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material.

Other Information Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material.



7. HANDLING AND STORAGE

Precautions for safe handling

Handling Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for safe storage, including any incompatibilities

Storage Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³
Zinc oxide 1314-13-2	STEL: 10 mg/m ³ respirable fraction TWA: 2 mg/m ³ respirable fraction	TWA: 5 mg/m ³ fume TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 5 mg/m ³ fume (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction (vacated) STEL: 10 mg/m ³ fume	IDLH: 500 mg/m ³ Ceiling: 15 mg/m ³ dust TWA: 5 mg/m ³ dust and fume STEL: 10 mg/m ³ fume

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or



smoke when using this product. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state	Liquid	Odor	Ammonia
Appearance	Multiple Colors	Odor Threshold	No information available
Color	White		

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
<u>Y</u>		
pH	8+	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	>37.78 C (>100 F)	None known
Flash Point	93 C / 199 F	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	2.5 kpa (18.6 mm HG) @ room temp.	None known
Vapor density	No data available	None known
Specific Gravity	1.183	None known
Water Solubility	Soluble in water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	60% (v/v); 49% (v/w)
Particle Size	No data available
Particle Size Distribution	



10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
2-Propanol, 1-(2-butoxy-1-methylethoxy)- 29911-28-2	= 1620 µL/kg (Rat)	= 5860 µL/kg (Rabbit)	= 42.1 ppm (Rat) 4 h
2,2,4-Trimethylpentane-1,3-diol monoisobutyrate 25265-77-4	= 3200 mg/kg (Rat)	> 15200 mg/kg (Rat)	-
Zinc oxide 1314-13-2	> 5000 mg/kg (Rat)	-	-
Polyethylene glycol branched nonylphenyl ether 68412-54-4	-	= 1780 µL/kg (Rabbit)	-
Trizinc diphosphate 7779-90-0	> 5000 mg/kg (Rat)	-	-
Sodium nitrite 7632-00-0	= 85 mg/kg (Rat)	-	= 5.5 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms No information available.



Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium dioxide 13463-67-7		Group 2B		X
Sodium nitrite 7632-00-0		Group 2A		X

Reproductive toxicity Contains a known or suspected reproductive toxin.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Chronic Toxicity No known effect based on information supplied. Contains a known or suspected carcinogen. Contains a known or suspected reproductive toxin. Possible risk of irreversible effects. Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation.

Target Organ Effects Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). Reproductive System.

Aspiration Hazard No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)
12,759.00 mg/kg



12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Diethylene glycol monomethyl ether 111-77-3	72h EC50: > 500 mg/L (Desmodesmus subspicatus)	96h LC50: = 7500 mg/L (Lepomis macrochirus) 96h LC50: = 5741 mg/L (Pimephales promelas)	EC50 > 10000 mg/L 17 h	48h EC50: > 500 mg/L
2-Propanol, 1-(2-butoxy-1-methylethoxy)- 29911-28-2		96h LC50: = 841 mg/L (Poecilia reticulata)		
2,2,4-Trimethylpentane-1,3- diol monoisobutyrate 25265-77-4	72h EC50: = 18.4 mg/L (Pseudokirchneriella subcapitata)	96h LC50: = 30 mg/L (Pimephales promelas)		96h LC50: > 95 mg/L
Sodium nitrite 7632-00-0		96h LC50: 0.092 - 0.13 mg/L (Oncorhynchus mykiss) 96h LC50: 0.4 - 0.6 mg/L (Oncorhynchus mykiss) 96h LC50: 0.65 - 1 mg/L (Oncorhynchus mykiss) 96h LC50: = 2.3 mg/L (Pimephales promelas) 96h LC50: = 20 mg/L (Pimephales promelas) 96h LC50: = 0.19 mg/L (Oncorhynchus mykiss)		

Persistence and Degradability

No information available.

Bioaccumulation

Chemical Name	Log Pow
Diethylene glycol monomethyl ether 111-77-3	-0.682
2,2,4-Trimethylpentane-1,3-diol monoisobutyrate 25265-77-4	3.47
Sodium nitrite 7632-00-0	-3.7

Other adverse effects

No information available.



DSL All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Diethylene glycol monomethyl ether - 111-77-3	111-77-3	1 - 5	1.0
Zinc oxide - 1314-13-2	1314-13-2	0.1 - 1	1.0
Trizinc diphosphate - 7779-90-0	7779-90-0	0.1 - 1	1.0
Sodium nitrite - 7632-00-0	7632-00-0	0.1 - 1	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zinc oxide 1314-13-2		X		
Trizinc diphosphate 7779-90-0		X		
Sodium nitrite 7632-00-0	100 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Sodium nitrite 7632-00-0	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Titanium dioxide - 13463-67-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Titanium dioxide 13463-67-7	X	X	X		
Diethylene glycol monomethyl ether 111-77-3		X	X	X	X



International Regulations

Component	Carcinogen Status	Exposure Limits
Titanium dioxide 13463-67-7 (10 - 30)		Mexico: TWA= 10 mg/m ³ Mexico: STEL= 20 mg/m ³
Zinc oxide 1314-13-2 (0.1 - 1)		Mexico: TWA 5 mg/m ³ Mexico: TWA 10 mg/m ³ Mexico: STEL 10 mg/m ³

Canada
WHMIS Hazard Class
 Not determined

16. OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 1	Instability 0	Physical and Chemical Hazards - Personal Protection X
HMIS	Health Hazards 2*	Flammability 1	Physical Hazard 0	

Chronic Hazard Star Legend * = Chronic Health Hazard

Prepared By	Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501
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Revision Note	No information available

Disclaimer

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End of Safety Data Sheet

