



SAFETY DATA SHEET

Forti-Lock™ Metal Primer

Rev. Date: 24 Aug 2020

SECTION 1. PRODUCT & COMPANY INFORMATION

Product Name: Forti-Lock™ Metal Primer

Recommended Use: Metal primer

Manufacturer: SEAMAN CORPORATION
1000 Venture Blvd.
Wooster, OH 44691 USA
PHONE: (330) 262-1111
www.seamancorp.com

24-HR EMERGENCY (Chemtrec)
U.S./Canada: (800) 424-9300
International: +1 703 527-3887

SECTION 2. HAZARDS IDENTIFICATION

Pictograms:



Signal Word: DANGER

GHS Classification:

Skin Irritation – Category 2
Eye Irritation – Category 2A
Carcinogenicity - Category 1
Specific Target Organ Toxicity (Repeated Exposure) – Category 1 (lungs)

Hazard Statements:

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H350 May cause cancer.
H372 Causes damage to organs (lungs) through prolonged or repeated exposure.

Prevention:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe vapors.
P264 Wash hands thoroughly after handling.
P270 Do no eat, drink or smoke when using this product.
P280 Wear protective gloves, protective clothing, eye protection, and face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.
P332 + P313 If skin irritation occurs: Get medical attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P308 + P313 IF exposed or concerned: Get medical advice/attention.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents and container in accordance with local, regional, and national regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS No.</u>	<u>% by weight</u>
Quartz	14808-60-7	10-25
Titanium dioxide	13463-67-7	5-10
Calcium carbonate	1317-65-3	10-20
Mica	12001-26-2	0.1-3

SECTION 4. FIRST AID MEASURES

Inhalation: Move to fresh air. Seek medical attention if symptoms persist.
Skin Contact: Wash exposed skin with soap and water. Do not use solvents or thinners. If irritation develops or persists, seek medical attention.
Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Seek medical attention.
Ingestion: Seek medical attention. Do not induce vomiting.

SECTION 5. FIRE FIGHTING MEASURES

Flammable Properties: Not flammable
Suitable Extinguishing Media: alcohol resistant foam, CO2, powders, water spray
Products of Combustion: Fire can produce dense black smoke. Carbon monoxide and carbon dioxide may be produced from decomposition.
Protection of Firefighters: Firefighters should wear self-contained breathing apparatus and full fire-fighting turnout gear. No special procedures are expected to be necessary for this product.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8.
Environmental Precautions: No special procedures necessary
Methods for Containment: No special procedures necessary
Methods for Clean-up: No special procedures necessary

SECTION 7. HANDLING AND STORAGE

Handling: Use protective equipment recommended in Section 8. Use only in well ventilated area. Wash hands after contact.
Storage: Keep away from oxidizing agents and strongly acid or strongly alkaline materials. Avoid heating or direct sunlight. Keep container closed until ready for use.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

COMPONENT	OSHA (PEL)	ACGIH (TLV)	NIOSH (REL)	COMMENTS
Quartz (14808-60-7)	See below	0.025 mg/m ³ TWA (respirable fraction)	0.05 mg/m ³ TWA (respirable fraction)	
Titanium Dioxide (13463-67-7)	15 mg/m ³ TWA Total dust	10 mg/m ³ TWA	-	
Calcium Carbonate (1317-65-3)	5 mg/m ³ TWA (respirable); 15 mg/m ³ (total)	2 mg/m ³ TWA	5 mg/m ³ TWA (respirable); 10 mg/m ³ (total)	
Mica (12001-26-2)	20 mppcf (8 h) – see Table Z3	3 mg/m ³ TWA (respirable)	3 mg/m ³ TWA (respirable); 10 mg/m ³ (total)	

OSHA PEL for Quartz: (30)/(%SiO₂+2) mg/m³ TWA (total dust)
 (250)/(%SiO₂+5) mppcf TWA (respirable) or (10)/(%SiO₂+2) mg/m³ TWA (respirable)

PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls: Provide local exhaust ventilation
Eye/Face: Wear safety glasses
Skin: Wear chemical resistant protective gloves
Respiratory: If exposure limits are exceeded, NIOSH approved respiratory protection must be provided
General Hygiene: Wash hands with soap and water after handling material.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid	Odor: Characteristic
Odor threshold: Not available	pH: 9
Melting/Freezing Point: Not available	Boiling Point: ~100°C (212°F)
Flash Point: >93.3°C (200°F)	Evaporation Rate: 0.09 (butyl acetate=1)
Flammability: Not available	LFL/UFL: Not available
Vapor Pressure: 2.3 kPa at 20°C	Vapor Density: 1 (Air=1)
Relative Density: 1.34	Solubility: Not available
Partition Coefficient K_{ow}: Not available	Auto-Ignition Temp.: Not available
Decomposition Temp.: Not available	Viscosity: Kinematic >0.0205 cm ² /s

VOC Content: 50 g/L

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability: Stable at recommended storage and handling conditions.
Conditions to Avoid: Sources of ignition
Incompatible Materials: No specific data
Hazardous Decomposition: No specific data
Hazardous Reactions: Will not occur

SECTION 11. TOXICOLOGY INFORMATION

POTENTIAL HEALTH EFFECTS:

Summary: Irritating to eyes and skin.
Inhalation: Irritation of the lungs
Skin Contact: Drying of skin and dermatitis may occur
Eye Contact: May cause irritation, redness, and burning; vapors may also cause irritation
Ingestion: Irritation of gastrointestinal tract
Target Organs: Respiratory tract, skin, eyes

ACUTE TOXICITY

General Information: In high concentration the material is irritating to the mucous membranes.
Component Analysis:

Quartz (crystalline silica) (14808-60-7):
LD50 (oral, rat) = 3160 mg/kg
Titanium Dioxide (13463-67-7):
LD50 (oral, rat) > 5000 mg/kg
LD50 (dermal, rabbit): no skin irritation
Inhalation (rat): > 6.82 mg/L (4 hr)

CARCINOGENICITY

General Information: This product is not classified as a carcinogen or potential carcinogen by OSHA, NTP, ACGIH, or IARC. No specific data available.

Component Analysis:

Quartz(crystalline silica) (14808-60-7):
IARC: Group 1 – Known human carcinogen (Vol. 68, 1997)
NTP: Known Human Carcinogen
Titanium Dioxide (13463-67-7):
IARC: Group 2B – Possibly carcinogenic to humans (Vol. 93, 2006)

CHRONIC TOXICITY

No data is available on mutagenicity, reproductive effects, or developmental effects.

SECTION 12. ECOLOGICAL INFORMATION

This product contains components that will normally float on water. These components may be harmful to aquatic organisms and may cause long term effects in the aquatic environment.

Do not empty into drains or waterways.

TOXICITY

Titanium dioxide: Acute LC50 >1000000 ug/L Marine Water (Fish – Fundulus heteroclitus – 96 h)

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of waste in accordance with Federal, State, and local environmental control regulations. This material may be classified as hazardous under the Resource Conservation and Recovery Act. (40 CFR 261)

SECTION 14. TRANSPORTATION INFORMATION

This product is not hazardous for transportation under USDOT regulations.

SECTION 15. REGULATORY INFORMATION

SARA Title III: Health: Acute YES Chronic NO EHS NO
Physical: Fire NO Reactivity NO Pressure NO

SARA 313 (TRI): This product contains the following chemicals subject to reporting under Superfund Amendments Reauthorization Act, Title III, Section 313 (Toxic Release Inventory):

Component
None

% by weight

California Proposition 65:



WARNING: This product can expose you chemicals including silica and titanium dioxide, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16. OTHER INFORMATION

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. No warranty of merchantability or any other warranty, expressed or implied, is given. In no case shall the information provided herein be considered a part of the terms and conditions of sale. Seaman Corporation assumes no obligation or liability for the information given or results obtained. All materials may present unknown hazards and should be used with caution. Final determination of suitability of any material is the sole responsibility of the user.

For questions related to the safety of this product, e-mail msds@seamancorp.com or call (330) 262-1111

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