



# SAETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **Thermo-Sil SP-14 Silicone 2-Part Epoxy Primer A-Side**  
 CHEMICAL FAMILY NAME: Epoxy Primer  
 U.N. NUMBER: None  
 U.N. DANGEROUS GOODS CLASS: Non-Regulated Material  
 SUPPLIER/MANUFACTURER'S NAME: **Lapolla Industries, Inc.**  
 ADDRESS: 15402 Vantage Parkway, Houston, TX 77032  
 EMERGENCY PHONE: **TOLL-FREE in USA/Canada - CARECHEM** 1-866-928-0789  
**National Poison Control Center (U.S.)** 1-800-222-1222  
 BUSINESS PHONE: 281-219-4100 (Product Information)  
 WEB SITE: [www.lapolla.com](http://www.lapolla.com)  
 DATE OF CURRENT REVISION: September 2, 2015  
 DATE OF LAST REVISION: September 10, 2015

## SECTION 2 - HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

**Product Description:** This product is a red liquid with a mild odor.

**Health Hazards:** May cause cancer. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

**Flammability Hazards:** This product is not flammable.

**Reactivity Hazards:** This product is not reactive.

**Environmental Hazards:** This product has not been tested for environmental impact. All release to environment should be avoided.

**Emergency Considerations:** Emergency responders must wear the proper personal protective equipment (and have appropriate fire suppression equipment) suitable for the situation to which they are responding.

#### US DOT SYMBOLS

Non-Regulated Material

#### CANADA (WHMIS) SYMBOLS

Complies with WHMIS 2015

#### EUROPEAN and (GHS) Hazard Symbols



Signal Word: **Danger!**

### GHS CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This material has a classification under the Global Harmonization Standard, as applied under OSHA regulations.

#### Component(s) Contributing to Classification(s)

Barium sulphate, natural; ethanol; Talc (Mg<sub>3</sub>H<sub>2</sub>(Si)<sub>3</sub>4); diiron trioxide

#### GHS Hazard Classification(s):

Carcinogenicity, Hazard Category 1A

Reproductive toxicity, Hazard Category 1B

Specific target organ toxicity - Repeated exposure, Hazard Category 2

Hazardous to the aquatic environment - Chronic Hazard, Category 2

Skin corrosion/irritation, Hazard Category 2

Specific target organ toxicity - Single exposure, Hazard Category 3

Serious eye damage/eye irritation, Hazard Category 2B

#### Hazard Statement(s):

H315, H320: Causes skin and eye irritation

H350: May cause cancer

H360: May damage fertility or the unborn child.

H335: May cause respiratory irritation.

H373: May cause damage to organs through prolonged or repeated exposure.

H411: Toxic to aquatic life with long lasting effects.



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### Precautionary Statement(s):

**P285:** In case of inadequate ventilation wear respiratory protection.  
**P261:** Avoid breathing dust/fume/gas/mist/vapours/spray.  
**P280:** Wear protective gloves/protective clothing/eye protection/face protection.  
**P352:** Wash with plenty of soap and water.  
**P271:** Use only outdoors or in a well-ventilated area  
**P272:** Contaminated work clothing should not be allowed out of the workplace.  
**P201:** Obtain special instructions before use.  
**P202:** Do not handle until all safety precautions have been read and understood.  
**P305; P351; P338:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P342; P311:** If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

**P304; P312; P340:** If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor if you feel unwell.  
**P363:** Wash contaminated clothing before reuse.  
**P308; P313:** If exposed or concerned: Get medical advice/attention.  
**P333; P313:** If skin irritation or rash occurs: Get medical advice/attention.  
**P337:** If eye irritation persists: Get medical advice/attention.  
**P314:** Get medical advice/attention if you feel unwell.  
**P370:** In case of fire: Use for extinction: CO<sub>2</sub>, sand, extinguishing powder. Use for extinction: Water spray.  
**P302; P352:** If on skin: Wash with plenty of soap and water.  
**P405:** Store locked up.  
**P404; P233:** Store in a well-ventilated place. Keep container tightly closed.  
**P501:** Dispose of contents/container in accordance with local/regional/national/international regulations.

### HEALTH HAZARDS OR RISKS FROM EXPOSURE:

**ACUTE:** No further relevant information available.  
**CHRONIC:** None known  
**TARGET ORGANS:** ACUTE: None known CHRONIC: None known

### SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	WT %
Barium sulphate, natural 10-	7727-43-7	10 - 30%
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	14807-96-6	3 - 7%
Diiron trioxide	1309-37-1	3 - 7%
2-(propyloxy)ethanol	2807-30-9	1 - 5%
Trizinc bis(orthophosphate)	7779-90-0	1 - 5%
Modified acrylic copolymer in water-based solution		.05 - 1.5%
Ethanol	64-17-5	< 1.0%
Waxes - mineral oils		< 1.0%
N-methyl-2-pyrrolidone	872-50-4	< 1.0%

Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).



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### SECTION 4 - FIRST-AID MEASURE

#### **GENERAL INFORMATION:**

First Aid responders should pay attention to self-protection and use the recommended protective clothing. If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**AFTER INHALATION:** Supply fresh air; consult doctor in case of complaints.

**AFTER SKIN CONTACT:** Immediately wash with water and soap and rinse thoroughly. Suitable emergency safety shower should be immediately available.

**AFTER EYE CONTACT:** Rinse opened eye for several minutes under running water.

**AFTER SWALLOWING:** Do not induce vomiting; immediately call for medical help.

#### **INFORMATION FOR DOCTOR:**

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:** No further relevant information available.

**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:** No further relevant information available.

### SECTION 5 – FIRE-FIGHTING MEASURES

**FLASH POINT:** >212°F (>100°C)

#### **EXTINGUISHING MEDIA**

#### **SUITABLE EXTINGUISHING AGENTS:**

Use fire fighting measures that suit the environment. Use water spray or fog, carbon dioxide or dry chemical.

#### **SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:**

No further relevant information available.

#### **ADVICE FOR FIREFIGHTERS**

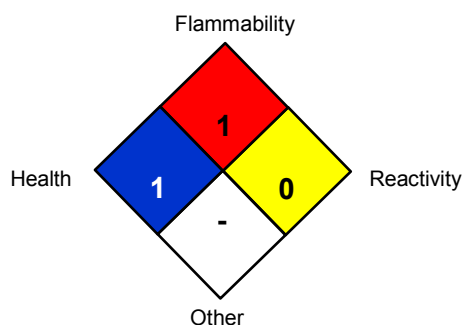
#### **PROTECTIVE EQUIPMENT:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode. PVC boots, gloves, safety helmet and protective clothing should be worn.

#### **ADDITIONAL INFORMATION**

Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers. Fight fire from protected location or safe distance. Move container(s) from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Contain fire water run-off if possible. Fire water run-off if not contained, may cause environmental damage.

#### **NFPA RATING SYSTEM**



HAZARDOUS MATERIAL IDENTIFICATION SYSTEM				
HEALTH HAZARD (BLUE)				1
FLAMMABILITY HAZARD (RED)				1
PHYSICAL HAZARD (YELLOW)				0
PROTECTIVE EQUIPMENT				
EYES	RESPIRATORY	HANDS	BODY	
	See Sect 8		See Sect 8	
For Routine Industrial Use and Handling Applications				

**Hazard Scale:** 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard



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### SECTION 6 - ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Isolate area. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause slipping hazard. Refer to Section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

**ENVIRONMENTAL PRECAUTIONS:** Inform respective authorities in case of seepage into water course or sewage system.

#### **METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:**

Dispose contaminated material as waste according to item 13.

#### **REFERENCE TO OTHER SECTIONS**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7 - HANDLING and STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Prevent formation of aerosols.

**INFORMATION ABOUT PROTECTION AGAINST EXPLOSIONS AND FIRES:** No special measures required.

#### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**REQUIREMENTS TO BE MET BY STOREROOMS AND RECEPTACLES:** No special requirements.

**INFORMATION ABOUT STORAGE IN ONE COMMON STORAGE FACILITY:** Not required.

#### **FURTHER INFORMATION ABOUT STORAGE CONDITIONS:**

Storage Period: 12 months

Storage Temp: 15 -35°C

**SPECIFIC END USE(S):** See the technical data sheet on this product for further information.

### SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

#### EXPOSURE LIMITS/GUIDELINES:

Chemical Name	CAS #	GUIDELINE	VALUE
Barium sulphate, natural	7727-43-7	PEL REL TVL	15* 5** mg/m <sup>3</sup> ; *total dust **respirable fraction 10* 5** mg/m <sup>3</sup> ; *total dust **respirable fraction 5* mg/m <sup>3</sup> ; *inhalable fraction; E
N-methyl-2-pyrrolidone	872-50-4	WEEL EBI	10 ppm; Skin 100 mg/L Medium: urine Time: end of shift Parameter: 5-Hydroxy-N-methyl-2-pyrrolidone

**ADDITIONAL INFORMATION:** The lists that were valid during the creation were used as basis.

#### EXPOSURE CONTROLS

##### **PERSONAL PROTECTIVE EQUIPMENT:**

**GENERAL PROTECTIVE AND HYGIENIC MEASURES:** Wash hands before breaks and at the end of work.

**BREATHING EQUIPMENT:** Not required.

**PROTECTION OF HANDS:** The workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

**MATERIAL OF GLOVES:** Use chemical resistant gloves classified under Standard EN374: Protective gloves against chemicals and microorganisms.



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**EXAMPLES OF PREFERRED GLOVE BARRIER MATERIALS INCLUDE:** Butyl rubber, Polyethylene, EVAL, Neoprene, Nitrile, Viton. When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher is recommended.

**PENETRATION TIME OF GLOVE MATERIAL:** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**EYE PROTECTION:** Wear chemical safety goggles / full face shield if there is a potential for splashing. Otherwise, wear safety glasses when handling material.

**BODY PROTECTION:** Personal protective clothing for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**APPEARANCE & ODOR:** Red with mild odor

**ODOR THRESHOLD:** Not determined

**pH:** Not determined

**MELTING POINT:** Not determined

**BOILING POINT:** >100°C (212°F)

**FLASH POINT:** >100°C (212°F)

**FLAMMABILITY:** Not applicable

**DECOMPOSITION TEMPERATURE:** Not determined

**AUTOIGNITING:** This product is not self igniting

**DANGER OF EXPLOSION:** Product does not present an explosion hazard.

**VAPOR PRESSURE:** Not determined

**DENSITY:** Not determined

**RELATIVE DENSITY:** Not determined

**VAPOUR DENSITY:** Not determined

**EVAPORATION RATE:** Not determined

**SOLUBILITY IN WATER:** Not miscible or difficult to mix

**PARTITION COEFFICIENT:** Not determined

**VISCOSITY:** Not determine

**SOLIDS CONTENT:** 60.0% (by weight)

### SECTION 10 – STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** This product is stable at recommended storage conditions (See Section 7).

**CONDITIONS TO AVOID:** No further relevant information available.

**INCOMPATIBLE MATERIALS:** No further relevant information available.

**HAZARDOUS DECOMPOSITION PRODUCTS:** No dangerous decomposition products known.

**POSSIBILITY OF HAZARDOUS REACTIONS/POLYMERIZATION:** No dangerous reactions known.



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### SECTION 11 - TOXICOLOGICAL INFORMATION

#### LD/LC50 VALUES THAT ARE RELEVANT FOR CLASSIFICATION

7779-90-0 trizinc bis(orthophosphate): Oral; LD50; > 5000 mg/kg (rat)

1314-13-2 zinc oxide: Oral; LD50; < 5000 mg/kg (rat)

#### **PRIMARY IRRITANT EFFECT:**

*On the skin:* No irritant effect. *On the eye:* No irritating effect. *Sensitization:* No sensitizing effects known.

#### CARCINOGENIC CATEGORIES

**IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER):** 14807-96-6 Talc ( $Mg_3H_2(SiO_3)_4$ ); 1309-37-1 diiron trioxide; 64-17-5 ethanol; 14808-60-7 Quartz ( $SiO_2$ )

**NTP (NATIONAL TOXICOLOGY PROGRAM):** 14808-60-7 Quartz ( $SiO_2$ )

### SECTION 12 - ECOLOGICAL INFORMATION

**AQUATIC TOXICITY:** No further relevant information available.

**PERSISTENCE AND DEGRADABILITY:** No further relevant information available.

**BIOACCUMULATIVE POTENTIAL:** No further relevant information available.

**MOBILITY IN SOIL:** No further relevant information available.

**ECOTOXICAL EFFECTS:** Toxic for fish

#### GENERAL NOTES:

Generally not hazardous for water.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms.

#### **RESULTS OF PBT And vPvB Assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**OTHER ADVERSE EFFECTS:** No further relevant information available

### SECTION 13 - DISPOSAL CONSIDERATIONS

**WASTE TREATMENT METHODS:** Dispose of waste material at an approved waste treatment facility in accordance with applicable local, state and national laws. Do not dispose of waste with normal garbage, or to sewer system. Empty containers should be decontaminated and passed to an approved recycler.

**UNCLEANED PACKAGINGS:** Disposal must be made according to official regulations.

### SECTION 14 - TRANSPORTATION INFORMATION

**U.S. DEPARTMENT OF TRANSPORTATION:** This product is NOT classified as Dangerous Goods, per U.S. DOT regulations, under 49 CFR 172.101.

**TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:** This product is NOT classified as Dangerous Goods, per regulations of Transport Canada.

**INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA):** This product is NOT classified as dangerous goods, per the International Air Transport Association.

**INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO):** This product is NOT classified as dangerous goods, per the International Maritime Organization.

### SECTION 15 - REGULATORY INFORMATION

#### **SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE:**

**CLEAN AIR ACT:** None of the ingredients is listed.

**CLEAN WATER ACT:** None of the ingredients is listed.



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### SARA

**SARA 302/304 EXTREMELY HAZARDOUS SUBSTANCE:** 7727-43-7 barium sulphate, natural

**SECTION 355 (Extremely hazardous substances):** None of the ingredients is listed.

**SECTION 313 (Specific toxic chemical listings):** 7779-90-0 trizinc bis(orthophosphate); 872-50-4 N-methyl-2-pyrrolidone

**TSCA (Toxic Substances Control Act):** All ingredients are listed.

**MASSACHUSETTS RIGHT TO KNOW:** 7727-43-7 barium sulphate, natural

**NEW JERSEY RIGHT TO KNOW:** 7727-43-7 barium sulphate, natural; 64-17-5 ethanol

**PENNSYLVANIA RIGHT TO KNOW:** 7727-43-7 barium sulphate, natural

### PROPOSITION 65

**CHEMICALS KNOWN TO CAUSE CANCER:** 14808-60-7 Quartz (SiO<sub>2</sub>)

**CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR FEMALES:** None of the ingredients is listed.

**CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR MALES:** None of the ingredients is listed.

**CHEMICALS KNOWN TO CAUSE DEVELOPMENTAL TOXICITY:** 64-17-5 ethanol; 872-50-4 N-methyl-2-pyrrolidone

### CARCINOGENIC CATEGORIES

**EPA (Environmental Protection Agency):** 7727-43-7 barium sulphate, natural - D, CBD(inh), NL(oral); 7779-90-0 trizinc bis(orthophosphate) - D, I, II; 1314-13-2 zinc oxide - D, I, II

**TLV (Threshold Limit Value established by ACGIH):** 14807-96-6 Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>) - A4; 1309-37-1 diiron trioxide - A4; 64-17-5 ethanol - A3; 1332-58-7 Kaolin - A4; 14808-60-7 Quartz (SiO<sub>2</sub>) - A2

**NIOSH-Ca (National Institute for Occupational Safety and Health):** 14808-60-7 Quartz (SiO<sub>2</sub>)

## SECTION 16 - OTHER INFORMATION

Disclaimer: The information and recommendations in this document are accurate to the best of our knowledge. User must conduct their own tests to determine the suitability of these products for their particular purposes. Because of numerous factors affecting results, Lapolla Industries, Inc. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR PURPOSE, other than the material conforms to our applicable current specifications. Lapolla Industries Inc. assumes no legal responsibility for use or reliance on the information contained in this Safety Data Sheet.