



# 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 B-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:** May 29, 2015  
**DATE OF LAST REVISION:** September 10, 2015

## SECTION 2 - HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

**Product Description:** This product is a dark yellow liquid with a amine-like odor.  
**Health Hazards:** Causes skin and eye irritation. Toxic to aquatic life with long lasting effects.  
**Flammability Hazards:** This product is not flammable.  
**Reactivity Hazards:** This product is not reactive.  
**Environmental Hazards:** This product is very toxic for fish. 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

CANADA (WHMIS) SYMBOLS

EUROPEAN and (GHS) Hazard Symbols

Complies with WHMIS 2015



Signal Word: **Warning!**

### 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

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

Aliphatic Polyamine; 2-(propyloxy)ethanol 2807-30-9

#### GHS Hazard Classification(s):

Skin Irritant, Category 2  
Eye Irritant, Category 2B  
Chronic Aquatic Toxicity Category 2

#### Hazard Statement(s):

H320: Causes eye irritation  
H315: Causes skin irritation  
H319: Causes serious eye irritation  
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/vapors/spray.

**P280:** Wear protective gloves.

**P273:** Avoid release to the environment.

**P352:** Wash thoroughly after handling.

**P305; P351; P338:** If in eyes: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

**P304; P341:** If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

### SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	WT %
Aliphatic Polyimine		15 - 40%
2-(propyloxy)ethanol	2807-30-9	1 - 5%
Trade Secret		10 - 30%
Water, distilled, conductivity or of similar purity	7732-18-5	10 - 30%
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).		

### SECTION 4 - FIRST-AID MEASURES

#### **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:** In case of unconsciousness place patient stably in side position for transportation. If breathing is difficult, oxygen should be administered by qualified personnel.

**AFTER SKIN CONTACT:** Immediately wash with water and soap and rinse thoroughly. Get medical attention if symptoms occur. Suitable emergency safety shower should be immediately available.

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

**AFTER SWALLOWING:** If symptoms persist consult doctor.

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

Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

#### **MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:**

*Eye Contact:* Adverse symptoms may include the following: pain or irritation, watering, redness

*Skin Contact:* Adverse symptoms may include the following: irritation, redness.

*Inhalation:* If breathing vapor while spraying may cause respiratory tract irritation.

*Ingestion:* May include burns or abdominal pain, nausea, vomiting and diarrhea if swallowed.

#### **INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**

No further relevant information available.



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### SECTION 5 – FIRE-FIGHTING MEASURES

**FLASH POINT:**

>212°F (>100°C)

**EXTINGUISHING MEDIA**

**SUITABLE EXTINGUISHING AGENTS:** CO2, extinguishing powder or water spray. Fight larger fires with water spray.

Use fire fighting measures that suit the environment.

**SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:** No further relevant information available.

**ADVICE FOR FIREFIGHTERS**

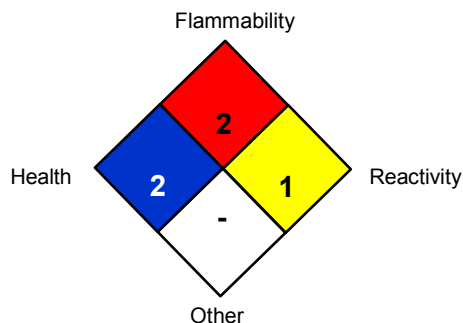
**PROTECTIVE EQUIPMENT:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece 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)	2		
FLAMMABILITY HAZARD (RED)	2		
PHYSICAL HAZARD (YELLOW)	1		
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

### 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:**

Ensure adequate ventilation. Contain spilled material if possible. Absorb with materials such as: Dirt, Sand, Sawdust. Collect in suitable and properly labeled containers. Wash the spill site with water. See Section 13, Disposal Considerations, for additional information.

**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.



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### SECTION 7 - HANDLING and STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Ensure good ventilation/exhaustion at the workplace. Avoid spilling, skin and eye contact. Keep away from strong oxidizing materials. Do not get on skin or clothing. Do not get in eyes. Do not breathe vapors or spray mist.

**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

**CONTROL PARAMETERS**

**COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING IN THE WORKPLACE:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

**EXPOSURE CONTROLS**

**PERSONAL PROTECTIVE EQUIPMENT:**

**GENERAL PROTECTIVE AND HYGIENIC MEASURES:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the skin. Avoid contact with the eyes and skin. DO NOT SMOKE IN WORK AREA!

**BREATHING EQUIPMENT:** If product is heated or sprayed under manual handling, use NIOSH approved, air purifying respirator with organic vapor cartridges and N-95 filters. Full face-piece recommended. None required under normal conditions of use.

**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. 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:** Dark yellow with an amine-like odor

**ODOR THRESHOLD:** Not determined

**pH:** Not determined

**MELTING POINT:** Not determined

**BOILING POINT:** Not determined

**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



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### 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.

### SECTION 11 - TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

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

Aliphatic Polyamine: Oral, LD50, >5000 mg/kg (rat); Dermal, LD50, >2000 mg/kg (rabbit)

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

*On the skin:* Irritant to skin and mucous membranes. *On the eye:* Irritating effect. *Sensitization:* No sensitizing effects known.

**ADDITIONAL TOXICOLOGICAL INFORMATION:** The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

#### CARCINOGENIC CATEGORIES

**IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER):** None of the ingredients is listed.

**NTP (NATIONAL TOXICOLOGY PROGRAM):** None of the ingredients is listed.

### 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:** Very toxic for fish

#### GENERAL NOTES:

Also poisonous for fish and plankton in water bodies.

Very 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

**PREPARING WASTES FOR DISPOSAL:** 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

#### **UN-NUMBER:**

**DOT:** NA1993

**IMDG, IATA:** UN3082

#### **UN PROPER SHIPPING NAME:**

**DOT:** COMBUSTIBLE LIQUID, N.O.S (2-(propyloxy)ethanol)



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**IMDG:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-(propyloxy)ethanol, Aliphatic Polyamine), MARINE POLLUTANT

**IATA:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-(propyloxy)ethanol)

**TRANSPORT HAZARD CLASSES:**

**DOT:** 9 - Miscellaneous dangerous substances and articles

**IMDG, IATA 9 -** Miscellaneous dangerous substances and articles

**DOT, IMDG, IATA PACKAGING GROUP:** III

**ENVIRONMENTAL HAZARDS:** Product contains environmentally hazardous substances: Aliphatic Polyamine

**MARINE POLLUTANT:** Yes

**SPECIAL MARKING (IATA):** Symbol (fish and tree)

**SPECIAL PRECAUTIONS FOR USER:** Warning: Miscellaneous dangerous substances and articles

**TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE:** Not applicable

**TRANSPORT/ADDITIONAL INFORMATION:**

**DOT QUANTITY LIMITATIONS:** On passenger aircraft/rail: 60 L; On cargo aircraft only: 220 L

**IMDG**

**LIMITED QUANTITIES (LQ):** 5L

**EXPECTED QUANTITIES (EQ):** Code: E1; Maximum net quantity per inner packaging: 30 ml; Maximum net quantity per outer packaging: 1000 ml

**UN "MODEL REGULATION":** UN3082, Environmentally hazardous substances, liquid, n.o.s. (2- (propyloxy)ethanol), 6.1, III

### 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.

**SARA**

**SARA 302/304 EXTREMELY HAZARDOUS SUBSTANCE:** None of the ingredients is listed.

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

**SECTION 313 (Specific toxic chemical listings):** None of the ingredients is listed.

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

**PROPOSITION 65**

**CHEMICALS KNOWN TO CAUSE CANCER:** None of the ingredients is listed.

**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:** None of the ingredients is listed.

**CARCINOGENIC CATEGORIES**

**EPA (Environmental Protection Agency):** None of the ingredients is listed.

**TLV (Threshold Limit Value established by ACGIH):** None of the ingredients is listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health):** None of the ingredients is listed.



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### 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.