

# MSDS

## SECTION 1 – Chemical Product and Company Identification

**RAI PRODUCTS  
PO BOX 240772  
421 ROUNTREE RD.  
CHARLOTTE, NC 28224  
PHONE: (704) 525-1852**

**PRODUCT NAME:** ProSeal 6006EX Loop Detector Sealant  
**PRODUCT CODE:** (40457), 40452, 40455, 40455H  
**SYNONYM/CROSS REFERENCE:** Polyester Paste  
**SCHEDULE B NUMBER:** 3214.10.0090

## SECTION 2 – Hazard Identification

OVEREXPOSURE EFFECTS:

ACUTE EFFECTS:

**EYES:** Contact with eyes can cause irritation, redness, tearing, blurred vision, and/or swelling.

**SKIN:** Contact with skin can cause irritation, (minor itching, burning and/or redness), Dermatitis, defatting may be readily absorbed through the skin.

**INHALATION:** Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and/or asphyxiation. Aspiration of material into lungs may result in chemical pneumonitis which can be fatal.

**INGESTION:** Ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

PRIMARY ROUTES OF EXPOSURE: skin, inhalation, eyes

## SECTION 3 – Composition, Information or Ingredients

<u>INGREDIENTS</u>	<u>WGT%</u>	<u>CAS #</u>
Styrene	15-25%	100-42-5
Non-Fibrous Talc	30-40%	14807-96-6
Petroleum Hydrocarbon	5-10%	68477-30-5

## SECTION 4 – First Aid Measures

**INHALATION:** If inhaled, remove victim from exposure to a well-ventilated area. Make them comfortably warm, but not hot. Use oxygen or artificial respiration as required. Consult a physician.

**SKIN:** For skin contact, wash promptly with soap and excess water.

**EYES:** For eye contact, flush promptly with excess water for at least fifteen minutes. Consult a physician.

**INGESTION:** If ingested, do not induce vomiting. Give victim a glass of water. Call a physician immediately.

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## **SECTION 5 – Fire-Fighting Measures**

**FIRE EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam

**SPECIAL FIRE FIGHTING PROCEDURES:** Fight like a fuel oil fire. Cool fire exposed containers with water spray. Firefighter should wear OSHA/NIOSH approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARD:** Closed containers exposed to high temperatures, such as fire conditions may rupture.

## **SECTION 6 – Accidental Release Measures**

**SPILLS, LEAK OR RELEASE:** Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapor. Contain spill with inert absorbent.

## **SECTION 7 – Handling and Storage**

**STORAGE AND HANDLING:** Use with adequate ventilation. Avoid contact with eyes and skin. Avoid breathing vapors. Do not store the product above 100°F/38°C. Do not flame, cut, braze weld or melt empty containers. Keep the product away from heat, open flame, and other sources of ignition. Avoid contact with strong acids, alkalis, and oxidizers.

## **SECTION 8 – Exposure Controls and Personal Protection**

**RESPIRATORY PROTECTION:** If component TLV limits are exceeded, use NIOSH/MSHA approved respirator to remove vapors. Use an air-supplied respirator if necessary.

**VENTILATION:** Use adequate ventilation in volume and pattern to keep TLV/PEL below recommended levels. Explosion-proof ventilation may be necessary.

**PROTECTIVE GLOVES:** To prevent prolonged exposure use rubber gloves; solvents may be absorbed through the skin.

**EYE PROTECTION:** Safety Glasses or goggles with splash guards or side shields.

**OTHER PROTECTIVE EQUIPMENT:** Wear protective clothing as required to prevent skin contact.

<b>INGREDIENTS</b>	<b>CAS #</b>	<b>TLV/PEL</b>
Styrene	100-42-5	ACGIH TLV 20 ppm STEL 40 ppm OSHA PEL 100 ppm CPEL 200 ppm
Non-Fibrous Talc	14807-96-6	ACGIH TWA 2 mg/m <sup>3</sup> OSHA TLV 20 mppcf
Petroleum Hydrocarbon	68477-30-5	ACGIH TLV 5 mg/m <sup>3</sup> as a mist

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## **SECTION 9 – Physical and Chemical Properties**

APPEARANCE: Brown/gray viscous liquid  
SPECIFIC GRAVITY: 1.50  
FLASH POINT: 89°F/31.7°C Seta Flash Closed cup  
LOWER FLAMMABLE LIMIT %: N/E  
UPPER FLAMMABLE LIMIT %: N/E  
VAPOR PRESSURE (mmHG): Heavier than air  
BOILING POINT: N/Av  
VAPOR DENSITY: Heavier than air  
EVAPORATION RATE (Ethyl Ether = 1): Slower than Ethyl Ether  
VOLATILES BY WEIGHT: 15-25%  
SOLUBILITY IN WATER: None  
VOC: Grams/Litre = less exempts 286 Lb/Gal = 2.39  
loss upon curing 0.9 = 0.02 lbs/gal

## **SECTION 10 – Stability and Reactivity**

STABILITY: Stable  
CONDITIONS TO AVOID: Open flames, sparks, heat, electrical and static discharge.  
INCOMPATIBILITY MATERIALS TO AVOID: Strong acids, alkalis, oxidizers.  
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide, and Carbon.  
HAZARDOUS POLYMERIZATION: Will not occur.

## **SECTION 11 – Toxicological Information**

### **CHRONIC EFFECTS:**

Overexposure to this material has apparently been known to cause the following effects in lab animals: Eye, skin, lung, and central nervous system damage.

CARCINOGEN: YES  NO   
TERATOGEN: YES  NO   
MUTAGEN: YES  NO

### **STYRENE CARCINOGENICITY**

Styrene is listed by IARC to be a possible carcinogen. Styrene studies have shown that Styrene causes cancer in certain laboratory animals. However, there is insufficient evidence to conclude that Styrene is a human carcinogen.

## **SECTION 12 – Ecological Information**

N/E

## **SECTION 13 – Disposal Considerations**

WASTE DISPOSAL: Dispose of in accordance with local, state, and federal regulations.

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## **SECTION 14 – Transport Information**

### **For Ground Transport: In USA (Resin & Catalyst)**

Consumer Commodity ORM-D or Limited Quantity with inner container size of 5 liters or less

### **For Air Transport: (Resin & Catalyst)**

Must be re-boxed to UN specified packaging in quantities of no more than 5 kg per fiberboard box

UN3269, Polyester Resin Kit, 3, PGIII

Packing Instruction 370

For Air Transport (Resin Only):

Must be boxed in UN specified packaging

UN1866, Resin Solution, 3, PGIII

Packing Instruction 355, 366

### **For Ocean Transport: (Resin & Catalyst)**

With inner container size of 5 liters or less

UN3269, Polyester Resin Kit, 3, PGIII, F/P 31.7°C

EMS # F-E, S-D, in limited quantity

## **SECTION 15 – Regulatory Information**

### **CALIFORNIA PROPOSITION 65:**

Trace amounts of some chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm may be present in this product.

### **SECTION 313 SUPPLIER NOTIFICATION:**

This product contains the following toxic chemicals subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CHEMICAL NAME</u>	<u>CAS</u>	<u>% BY WGT</u>
Styrene	100-42-5	15-25%

This information must be included in all MSDS that are copied and distributed for this chemical.

## **SECTION 16 – Other Information**

HMIS RATING:	Health	2	4 = Extreme
	Fire	3	3 = High
	Reactivity	1	2 = Moderate
			1 = Slight
			0 = Insignificant

Personal Protection - See Section VIII

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## ABBREVIATIONS

IARC	= International Agency for Research on Cancer
ACGIH	= American Conference of Governmental Industrial Hygienists
NIOSH	= National Institute of Occupational Safety and Health
TLV	= Threshold Limit Value
PEL	= Permissible Emission Level
DOT	= Department of Transportation
NTP	= National Toxicology Program
N/AV	= Not Available
N/AP	= Not Applicable
N/E	= Not Established
N/D	= Not Determined

PREPARED FOR:

**RAI PRODUCTS  
PO BOX 240772  
421 ROUNTREE RD.  
CHARLOTTE, NC 28224  
PHONE: (704) 525-1852**

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REVISION:

New Format

The information in the Material Safety Data Sheet has been compiled from our experience and from data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the Company to make sure that the MSDS is the latest one issued.