

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name</b>	<b>PolySpec Flex IMO Sealer - Resin/Side A</b>
<b>Version #</b>	1.0
<b>Revision date</b>	02-Feb-2010
<b>Company information</b>	PolySpec 6614 Gant Road Houston, TX 77066 US
<b>Emergency</b>	Chemtrec (800) 424-9300 International (703) 527-3887

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Component(s)	CAS #	Percent
Aluminum oxide	1344-28-1	< 10
Non-hazardous and other components below reportable levels		> 90
<b>Composition comments</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	

## 3. HAZARDS IDENTIFICATION

<b>Emergency overview</b>	Harmful in contact with eyes. Danger of serious damage to health by prolonged exposure. May cause breathing disorders and lung damage.
<b>Potential short term health effects</b>	
<b>Eyes</b>	Contact may irritate or burn eyes. Eye contact may result in corneal injury.
<b>Skin</b>	Components of the product may be absorbed into the body through the skin.
<b>Inhalation</b>	May cause breathing disorders and lung damage.
<b>Ingestion</b>	Do not ingest. May be harmful if swallowed.
<b>Target organs</b>	Eyes. Respiratory system. Skin.

## 4. FIRST AID MEASURES

<b>First aid</b>	
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation develops or persists.
<b>Skin contact</b>	Remove and isolate contaminated clothing and shoes. Wash off immediately with plenty of water. If skin irritation persists, call a physician.
<b>Inhalation</b>	If breathing is difficult, give oxygen. Move to fresh air. Get medical attention, if needed.
<b>Ingestion</b>	Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Have victim rinse mouth thoroughly with water. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. If ingestion of a large amount does occur, seek medical attention.
<b>Notes to physician</b>	Symptoms may be delayed.
<b>General advice</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible).

## 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Small Fires: Dry chemical, CO2, water spray or regular foam.  Large Fires: Water spray, fog or regular foam.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do it without risk. Do not scatter spilled material with high pressure water streams. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. ALWAYS stay away from tanks engulfed in flame. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions.
<b>Flash point</b>	212 °F (100 °C) Pensky-Martens Closed Cup

## 6. ACCIDENTAL RELEASE MEASURES

<b>Evacuation procedures</b>	Stay upwind. Keep out of low areas. Keep unnecessary personnel away.
<b>Containment procedures</b>	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.
<b>Personal precautions</b>	Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
<b>Methods for cleaning up</b>	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Dike far ahead of liquid spill for later disposal. Never return spills in original containers for re-use.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Do not handle or store near an open flame, heat or other sources of ignition. Surfaces may become slippery after spillage.
<b>Storage</b>	Keep in a cool, well-ventilated place. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Do not freeze.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure limits

#### ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

Aluminum oxide 1344-28-1 10 Mg/m3 TWA (particulate matter containing no asbestos and < 1% crystalline silica)

#### ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

Aluminum oxide 1344-28-1 lung; irritation

#### OSHA - Final PELs - Time Weighted Averages (TWAs)

Aluminum oxide 1344-28-1 15 Mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)

### Personal protective equipment

#### Respiratory protection

A NIOSH- approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. In case of insufficient ventilation wear suitable respiratory equipment.

#### Eye protection

Wear chemical goggles.

#### Skin and body protection

Wear suitable protective clothing.

### Engineering measures to reduce exposure

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

### Hygiene measures

When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Density</b>	10.9433 lb/gal
<b>Form</b>	Liquid.
<b>Specific gravity</b>	1.313

## 10. CHEMICAL STABILITY & REACTIVITY INFORMATION

<b>Stability</b>	Stable at normal conditions.
<b>Conditions to avoid</b>	Direct sources of heat.
<b>Incompatibility</b>	None known.

## 11. TOXICOLOGICAL INFORMATION

<b>Local effects</b>	Risk of serious damage to eyes. Components of the product may be absorbed into the body through the skin.
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### Carcinogenicity

#### ACGIH - Threshold Limits Values - Carcinogens

Aluminum oxide 1344-28-1 A4 - Not Classifiable as a Human Carcinogen

<b>Chronic toxicity</b>	Prolonged or repeated exposure may cause lung injury.
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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Components of this product have been identified as having potential environmental concerns.

## 13. DISPOSAL CONSIDERATIONS

**Disposal instructions** This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

## 14. TRANSPORTATION INFORMATION

### Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

### International Air Transport Association (IATA) Requirements

Not regulated as dangerous goods.

### International Maritime Dangerous Goods (IMDG) Code Requirements

Not regulated as dangerous goods.

## 15. REGULATORY INFORMATION

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
CERCLA/SARA Hazardous Substances - Not applicable.

### CERCLA/SARA - Section 313 - Emission Reporting

Aluminum oxide 1344-28-1 1.0 % de minimis concentration (fibrous form only)

### Inventory - European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

Aluminum oxide 1344-28-1 215-691-6

### Inventory - United States - Section 8(b) Inventory (TSCA)

Aluminum oxide 1344-28-1 Present

### Occupational safety and health administration (OSHA)

**29 CFR 1910.1200** Yes  
**hazardous chemical**

### CERCLA (superfund) reportable quantity

None

### Superfund amendments and reauthorization act of 1986 (SARA)

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

### NFPA ratings

Health: 0  
Flammability: 1  
Instability: 0

### International regulations

#### Canada - 2004 NPRI (National Pollutant Release Inventory)

Aluminum oxide 1344-28-1 Part 1, Group 1 Substance (fibrous form)

#### Canada - WHMIS - Ingredient Disclosure List

Aluminum oxide 1344-28-1 1 % (English Item 44, French Item 195)

### State regulations

#### Massachusetts - Right To Know List

Aluminum oxide 1344-28-1 Present

#### New Jersey - Right to Know Hazardous Substance List

Aluminum oxide 1344-28-1 sn 2891

#### Pennsylvania - RTK (Right to Know) List

Aluminum oxide 1344-28-1 Environmental hazard

## 16. OTHER INFORMATION

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

**Issue date**

02-Feb-2010

**MSDS sections updated**

Accidental Release Measures: Containment procedures