

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** PolySpec Ultra - Resin/Side A  
**Version #** 1.0  
**Revision date** 23-Sep-2009  
**Company information** PolySpec  
 6614 Gant Road  
 Houston, TX 77066 US  
**Emergency** Chemtrec (800) 424-9300  
 International (703) 527-3887

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

| Component(s)   | CAS #   | Percent |
|--|---|---------|
| P-Chloro-a,a,a-trifluorotoluene                            | 98-56-6   | < 40    |
| Propylene glycol monomethyl ether acetate                  | 108-65-6  | < 40    |
| Non-hazardous and other components below reportable levels |   | > 40    |
| <b>Composition comments</b>                                | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |         |

## 3. HAZARDS IDENTIFICATION

**Emergency overview** Highly flammable.

Health injuries are not known or expected under normal use. May be ignited by heat, sparks or flames. Flammable/Combustible Material. Will be easily ignited by heat, spark or flames.

### Potential short term health effects

**Eyes** Contact may irritate or burn eyes. Contact with eyes may cause irritation.  
**Skin** Not expected to be a primary skin irritant.  
**Inhalation** May cause irritation of respiratory tract.  
**Ingestion** Do not ingest. May be harmful if swallowed.

## 4. FIRST AID MEASURES

### First aid

**Eye contact** Immediately flush eyes with plenty of water for at least 20 minutes. Flush eyes with water as a precaution. If irritation persists get medical attention.  
**Skin contact** Remove and isolate contaminated clothing and shoes. Immediately flush skin with running water for at least 20 minutes. Rinse with water. Get medical attention if irritation develops or persists.  
**Inhalation** Move to fresh air. Oxygen or artificial respiration if needed. Call a physician if symptoms develop or persist. If breathing is difficult, give oxygen.  
**Ingestion** Do not induce vomiting without medical advice. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Do not use mouth-to-mouth method if victim ingested the substance. Have victim rinse mouth thoroughly with water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. If ingestion of a large amount does occur, seek medical attention.

**General advice** Keep victim warm. In case of shortness of breath, give oxygen. 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

**Unusual fire & explosion hazards** Runoff to sewer may cause fire or explosion hazard. Containers may explode when heated. Vapor or gas may spread to distant ignition sources and flash back.  
**Hazardous combustion products** Fire may produce irritating, corrosive and/or toxic gases.  
**Suitable extinguishing media** Carbon dioxide (CO2). Alcohol foam. Water spray. Polymer foam. Dry chemical powder.

|   |  |
|---|--|
| <b>Fire fighting equipment/instructions</b> | Move containers from fire area if you can do it without risk. 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. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. ALWAYS stay away from tanks engulfed in flame. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Cool containers with flooding quantities of water until well after fire is out. In the event of fire, wear self contained breathing apparatus. |
| <b>Specific methods</b>                     | In the event of fire, cool tanks with water spray. Water mist may be used to cool closed containers.   |
| <b>Flash point</b>                          | 114 °F (45.6 °C) Pensky-Martens Closed Cup   |

## 6. ACCIDENTAL RELEASE MEASURES

|                                  |   |
|----------------------------------|---|
| <b>Evacuation procedures</b>     | Keep unnecessary personnel away. Ventilate closed spaces before entering. Stay upwind. Keep out of low areas.   |
| <b>Containment procedures</b>    | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas. Dike the spilled material, where this is possible. Use water spray to reduce vapors or divert vapor cloud drift.   |
| <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>Environmental precautions</b> | Prevent further leakage or spillage if safe to do so. Do not contaminate water.   |
| <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. Should not be released into the environment. Large Spills: Wet down with water and dike for later disposal. After removal flush contaminated area thoroughly with water. |

## 7. HANDLING AND STORAGE

|                 |  |
|-----------------|--|
| <b>Handling</b> | Do not handle or store near an open flame, heat or other sources of ignition. Do not breathe gas/fumes/vapor/spray. All equipment used when handling the product must be grounded. Handle and open container with care. 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. The pressure in sealed containers can increase under the influence of heat. Keep away from heat and sources of ignition. Use care in handling/storage. Do not freeze. |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|  |   |
|--|---|
| <b>Personal protective equipment</b>           |   |
| <b>Respiratory protection</b>                  | 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. No personal respiratory protective equipment normally required. |
| <b>Hand protection</b>                         | Protective gloves.  |
| <b>Eye protection</b>                          | Avoid contact with eyes.  |
| <b>Skin and body protection</b>                | Wear suitable protective clothing.  |
| <b>General</b>                                 | Structural firefighters protective clothing will only provide limited protection. Wear suitable protective equipment.   |
| <b>Engineering measures to reduce exposure</b> | Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.   |
| <b>Hygiene measures</b>                        | When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.   |

## 9. PHYSICAL & CHEMICAL PROPERTIES

|                         |               |
|-------------------------|---------------|
| <b>Density</b>          | 9.2704 lb/gal |
| <b>Form</b>             | Liquid.       |
| <b>Specific gravity</b> | 1.1124        |

## 10. CHEMICAL STABILITY & REACTIVITY INFORMATION

|                                 |  |
|---------------------------------|--|
| <b>Stability</b>                | Risk of ignition.  |
| <b>Conditions to avoid</b>      | High temperatures. Direct sources of heat.   |
| <b>Hazardous polymerization</b> | Will not occur.  |
| <b>Incompatibility</b>          | Strong acids. Will form explosive mixtures in air. This product is incompatible with nitrates. |

## 11. TOXICOLOGICAL INFORMATION

### Component analysis - LD50

#### NIOSH - Selected LD50s and LC50s

|   |          |  |
|---|----------|--|
| P-Chloro-a,a,a-trifluorotoluene           | 98-56-6  | Oral LD50 Rat: 13 g/kg; Oral LD50 Mouse: 11500 mg/kg   |
| Propylene glycol monomethyl ether acetate | 108-65-6 | Oral LD50 Rat: 8532 mg/kg; Dermal LD50 Rabbit: >5 g/kg |

**Further information** This product has no known adverse effect on human health.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Components of this product are hazardous to aquatic life.

**Environmental effects** Harmful to aquatic life.

#### Ecotoxicity - Microtox Data

|                                 |         |  |
|---------------------------------|---------|--|
| P-Chloro-a,a,a-trifluorotoluene | 98-56-6 | 5 Min EC50 Photobacterium phosphoreum: 11.1 mg/L; 15 min EC50 Photobacterium phosphoreum: 13.4 mg/L; 30 min EC50 Photobacterium phosphoreum: 14.3 mg/L |
|---------------------------------|---------|--|

## 13. DISPOSAL CONSIDERATIONS

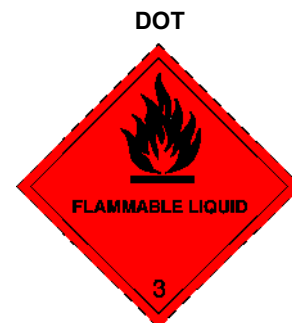
**Waste codes** D001: Waste Flammable material with a flash point <140 F

**Disposal instructions** Dispose in accordance with all applicable regulations. 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. If discarded, this product is considered a RCRA ignitable waste, D001. Incinerate the material under controlled conditions in an approved incinerator. Dispose of this material and its container at hazardous or special waste collection point.

## 14. TRANSPORTATION INFORMATION

### Department of Transportation (DOT) Requirements

|                                  |                        |
|----------------------------------|------------------------|
| <b>Proper shipping name</b>      | PAINT RELATED MATERIAL |
| <b>Hazard class</b>              | 3                      |
| <b>Special provisions</b>        | B1, B52, IB3, T2, TP1  |
| <b>Packaging exceptions</b>      | 150                    |
| <b>Packaging non bulk</b>        | 173                    |
| <b>Packaging bulk</b>            | 242                    |
| <b>Quantity limits passenger</b> | 60 L                   |
| <b>Quantity limits cargo</b>     | 220 L                  |
| <b>Vessel stowage location</b>   | A                      |
| <b>UN number</b>                 | UN1263                 |
| <b>Packaging group</b>           | III                    |
| <b>Labels required</b>           | 3                      |
| <b>ERG number</b>                | 128                    |



### International Air Transport Association (IATA) Requirements

|                             |                        |
|-----------------------------|------------------------|
| Proper shipping name        | PAINT RELATED MATERIAL |
| Hazard class                | 3                      |
| Special provisions          | B1, B52, IB3, T2, TP1  |
| Packaging exceptions        | 150                    |
| Packaging non bulk          | 173                    |
| Packaging bulk              | 242                    |
| Quantity limits passenger   | 60 L                   |
| Quantity limits cargo       | 220 L                  |
| Vessel stowage location     | A                      |
| UN number                   | UN1263                 |
| Packaging group             | III                    |
| Labels required             | 3                      |
| Passenger Cargo Pkg Inst LQ | Y309<br>309            |
| Packaging Instructions      | 310                    |
| Pkg Inst Cargo Only         |                        |

IATA



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

|                           |           |
|---------------------------|-----------|
| Proper shipping name      | PAINT     |
| Hazard class              | 3         |
| Special provisions        | 163, 640E |
| Packaging exceptions      | 150       |
| Packaging non bulk        | 173       |
| Packaging bulk            | 242       |
| Quantity limits passenger | 60 L      |
| Quantity limits cargo     | 220 L     |
| Vessel stowage location   | A         |
| Item                      | F1        |
| UN number                 | UN1263    |
| Packaging group           | III       |
| Labels required           | 3         |
| Hazard ID                 | 30        |
| Transport Category        | 3         |

IMDG



## 15. REGULATORY INFORMATION

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

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

|   |          |           |
|---|----------|-----------|
| P-Chloro-a,a,a-trifluorotoluene           | 98-56-6  | 202-681-1 |
| Propylene glycol monomethyl ether acetate | 108-65-6 | 203-603-9 |

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

|   |          |         |
|---|----------|---------|
| P-Chloro-a,a,a-trifluorotoluene           | 98-56-6  | Present |
| Propylene glycol monomethyl ether acetate | 108-65-6 | P       |

#### 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** No  
**hazardous substance**

**Section 311 hazardous chemical**

Yes

**Hazard categories**

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

**NFPA ratings**

Health: 0  
Flammability: 2  
Instability: 0

**State regulations**

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

P-Chloro-a,a,a-trifluorotoluene 98-56-6 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**

23-Sep-2009