

1. PRODUCT AND COMPANY IDENTIFICATION

Product name PolySpec Ultra - Hardener/Side B
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
Non-hazardous and other components below reportable levels		> 60
Composition comments	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	

3. HAZARDS IDENTIFICATION

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

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. Rinse with water. Get medical attention if irritation develops or persists.
Inhalation Move to fresh air. Call a physician if symptoms develop or persist. If breathing is difficult, give oxygen.
Ingestion 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. Do not induce vomiting without medical advice. 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 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.

Suitable extinguishing media Carbon dioxide (CO2). Dry chemical. Foam.

Fire fighting equipment/instructions 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. In the event of fire, wear self contained breathing apparatus.

Flash point 109 °F (42.8 °C) Pensky-Martens Closed Cup

6. ACCIDENTAL RELEASE MEASURES

Evacuation procedures	Keep unnecessary personnel away. Ventilate closed spaces before entering. Stay upwind. Keep out of low areas.
Containment procedures	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.
Personal precautions	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.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
Methods for cleaning up	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.

7. HANDLING AND STORAGE

Handling	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.
Storage	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

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. No personal respiratory protective equipment normally required.
Hand protection	Protective gloves.
Eye protection	Avoid contact with eyes.
Skin and body protection	Wear suitable protective clothing.
General	Structural firefighters protective clothing will only provide limited protection. Wear suitable protective equipment.
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

Density	9.7125 lb/gal
Form	Liquid.
Specific gravity	1.1655

10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Stability	Risk of ignition.
Conditions to avoid	High temperatures. Direct sources of heat.
Hazardous polymerization	Will not occur.
Incompatibility	None known.

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

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.

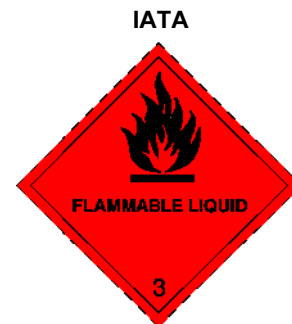
14. TRANSPORTATION INFORMATION

Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

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	Y309
LQ	309
Packaging Instructions	310
Pkg Inst Cargo Only	



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.
All components are on the U.S. EPA TSCA Inventory List.

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

P-Chloro-a,a,a-trifluorotoluene 98-56-6 202-681-1

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

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