MATERIAL SAFETY DATA SHEET

Health: 0*
Flammability: 0
Physical hazard: 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product name **PolySpec 7K Compo**
Version # 1.0
Revision date 18-Apr-2007
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
Magnesium oxide fume	1309-48-4	< 60
Non-hazardous and other components below reportable levels		> 40

Composition comments This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

3. HAZARDS IDENTIFICATION

Emergency overview Harmful in contact with eyes. Danger of serious damage to health by prolonged exposure. May cause breathing disorders and lung damage.

Potential short term health effects

Eyes Contact may irritate or burn eyes. Eye contact may result in corneal injury.
Skin Not expected to be a primary skin irritant.
Inhalation May cause breathing disorders and lung damage.
Ingestion Do not ingest. May be harmful if swallowed.

Target organs Eyes. Respiratory system.

4. FIRST AID MEASURES

First aid

Eye contact Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation develops or persists.
Skin contact Rinse with water. Get medical attention if irritation develops or persists.
Inhalation If breathing is difficult, give oxygen. Move to fresh air. Get medical attention, if needed.
Ingestion 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.
Notes to physician Symptoms may be delayed.

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

General fire hazards Not a fire hazard.
Suitable extinguishing media Small Fires: Dry chemical, CO2, water spray or regular foam.

Large Fires: Water spray, fog or regular foam.

6. ACCIDENTAL RELEASE MEASURES

Evacuation procedures Stay upwind. Keep out of low areas. Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained.
Containment procedures Prevent entry into waterways, sewers, basements or confined areas.
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	Sweep up or gather material and place in appropriate container for disposal. Avoid dust formation.

7. HANDLING AND STORAGE

Handling	Handle and open container with care. Surfaces may become slippery after spillage.
Storage	Use care in handling/storage. Do not freeze.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

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

Magnesium oxide fume	1309-48-4	10 Mg/m3 TWA (inhalable fraction)

ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

Magnesium oxide fume	1309-48-4	irritation; metal fume fever

OSHA - Final PELs - Time Weighted Averages (TWAs)

Magnesium oxide fume	1309-48-4	15 Mg/m3 TWA (total particulate)

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.
Eye protection	Wear chemical goggles.
Skin and body protection	Wear suitable protective clothing.
General	Wear suitable protective equipment.
Engineering measures to reduce exposure	Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

9. PHYSICAL & CHEMICAL PROPERTIES

Form	Solid.
Melting point	4532 °F (2500 °C)
Specific gravity	4.2994

10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Stability	Stable at normal conditions. No hazards to be especially mentioned.
Incompatibility	Chlorine. Fluoride.

11. TOXICOLOGICAL INFORMATION

Local effects	Risk of serious damage to eyes.

Carcinogenicity

ACGIH - Threshold Limits Values - Carcinogens

Magnesium oxide fume	1309-48-4	A4 - Not Classifiable as a Human Carcinogen

Chronic toxicity	Prolonged or repeated exposure may cause lung injury.

12. ECOLOGICAL INFORMATION

Ecotoxicity	This material is not expected to be harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

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.

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

Occupational safety and health administration (OSHA)

29 CFR 1910.1200 hazardous chemical	Yes

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: 0 Instability: 0

International regulations

Canada - WHMIS - Ingredient Disclosure List

Magnesium oxide fume	1309-48-4	1 % (English Item 959, French Item 1314)

State regulations

Massachusetts - Right To Know List

Magnesium oxide fume	1309-48-4	Present

New Jersey - Right to Know Hazardous Substance List

Magnesium oxide fume	1309-48-4	sn 1144

Pennsylvania - RTK (Right to Know) List

Magnesium oxide fume	1309-48-4	Present

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	18-Apr-2007
MSDS sections updated	Exposure Controls / Personal Protection: Respiratory protection Disposal Considerations: Disposal instructions Other Information: Disclaimer