

MATERIAL SAFETY DATA SHEET



4011 Hyde Park Blvd.
P. O. Box 1075
Niagara Falls, NY 14302-1075

Telephone: (716) 282-6950
Fax: (716) 282-6971

JANUARY 2011

SECTION I – MATERIAL IDENTIFICATION

Trade/Material Name: **OXIDE POLISHING SUSPENSION**

SECTION II – COMPOSITION/INFORMATION ON INGREDIENT

Mixture of: Component CAS-No.

Silica 7631-86-9

Deionized Water 7732-18-5

n/a

OES (UK)=6 mg/m³ total inhalable, 2.4 mg/m³ respirable dust.

Hazard classification Notes

Water, abrasive, and propylene glycol

TRGS 900 (Germany)=4 mg/m³ inhalable dust.

TLV(Australia)=10 mg/m³ total dust containing no asbestos and <1% crystalline silica.

(AS DRY DUST)

TLV(US)=10 mg/m³ total dust for particles not otherwise classified.

PEL(US)=not applicable

SECTION 3. HAZARDS IDENTIFICATION

Emergency Overview:

Potential Health Effects

Eyes: Spray mist or dry dust may cause congestion, coughing, granuloma in lungs.

Skin: Slightly irritating, high concentrations can cause conjunctivitis, not corrosive.

Ingestion: Very low toxicity

Inhalation: Non-irritating to rabbit skin and non-sensitizing to guinea pig skin. Very low toxicity by absorption. Not listed as a carcinogen by IARC, NTP, or OSHA. May cause slight irritation to skin and eyes.

SECTION 4. FIRST AID MEASURES

Eye Contact: In case of contact with eyes, rinse immediately with plenty of water for 15 minutes. If irritation persists, consult a physician.

Skin Contact: Wash affected area with a waterless hand cleaner and/or soap and water. If irritation persists, consult a physician.

Ingestion: If material is swallowed, get immediate medical attention or advice. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Inhalation: If inhaled, immediately remove the affected person to fresh air. Seek medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: n/a

Method Used: n/a

Upper Flammable Limit (UFL): n/a

Lower Flammable Limit (LFL): n/a

Auto Ignition: n/a

Flammability Classification: Non Flammable

Rate of Burning: n/a



General Fire Hazards: Product is non-combustible

Hazardous Combustion Products: Carbon dioxide (CO₂), carbon monoxide (CO),

Extinguishing Media: Dry chemical, foam, carbon dioxide (CO₂), water fog

Fire Fighting Equipment / Instructions: Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing.
Firefighters should avoid inhaling any combustion products.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Containment Procedures: Stop the flow of material, if this is without risk

Wear appropriate protective equipment and clothing during clean-up. Absorb spill with inert material. Shovel
Clean-Up Procedures: material into appropriate container for disposal.

Evacuation Procedures: Isolate area. Keep unnecessary personnel away.

Special Procedures: No information available for the product.

SECTION 7. HANDLING AND STORAGE

Avoid contact with skin and eyes. Observe good industrial hygiene practices and wash thoroughly after
Handling Procedures: handling.

Technical Measures: Work practice should minimize contact.

Technical Precautions: Local exhaust is recommended.

Storage Procedures: Store in tightly closed original container in a cool, well-ventilated place away from incompatible materials. Keep from freezing.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of
Engineering Controls: this product.

Personal Protective Equipment (PPE)

Eyes/Face: Wear safety glasses, chemical goggles, or, a full face shield.

Skin: Use impervious gloves. Use of impervious apron and boots are recommended.

Respiratory: If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH / MSHA respiratory protection must be provided.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White

Boiling Point: 212°F (100°C)

Odor: None

Flash Point: n/a

pH: 9-10

Solubility (H₂O): Dispersible

Physical State: Liquid

Viscosity: Low

Melting Point: 32°F (0°C)



SECTION 10. STABILITY AND REACTIVITY

Chemical Stability: This is a stable material.

Conditions to Avoid: None specific

Incompatibility: None specific

Hazardous Decomposition Products: None specific

SECTION 11. TOXICOLOGICAL INFORMATION

Inhalation: Not relevant at normal room temperatures.

Skin Contact: Prolonged contact may cause redness and irritation.

Eye Contact: May cause temporary eye irritation.

Ingestion: No harmful effects expected in amounts likely to be ingested by accident.

SECTION 12. ECOLOGICAL INFORMATION

Mobility: This product is water soluble and may spread in water systems.

Degradability: The degradability of the product has not been stated.

Ecotoxicity: The product is not expected to be hazardous to the environment.

Mobility: This product is water soluble and may spread in water systems.

Degradability: The degradability of the product has not been stated.

SECTION 13. DISPOSAL CONSIDERATION

US EPA Waste Number and Descriptions

Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable

General Product Information: definitions of hazardous wastes.

Component Waste Numbers: No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Waste Material: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Contaminated Packaging: Dispose of contaminated packaging as residue.