

MATERIAL SAFETY DATA SHEET

Section 1. Identity of Material

Product Name or Number **MIROX PL**
 Synonyms **Aluminum Oxide Complex AL₂O₃**
 Formula Proprietary **CAS Number 1344-28-1** Chemical family **Aluminum Oxide**
 Regulated Identification **DOT Proper Shipping Name** See Continuation Sheet
Shipping ID Number N/A **EPA Hazardous ID Number N/A**

Hazardous Ingredients	%	CAS Number
Aluminum Oxide (Alpha Alumina)	80-100	1344-28-1

Respirable nuisance dust inhalation hazard
 Note: Minor amounts of proprietary water soluble additives are non-hazardous and their use is approved by FDA for use in food processing.

Section 2. Hazard Specifications

Known Hazards Under 29 CFR 1910.1200			TLV	ppm	10	mg/m ²
	yes	no	yes, no	PEL	ppm	10 mg/m ²
Combustible liquid	X		X			
Flammable liquid	X		X			
Pyrophoric material	X		X	Health	1	Flammability 0
Explosive material	X		X	Stability	0	Special 0
Unstable material	X		X			
Water reactive material	X		X			
Oxidizer	X		X	DOT Hazard Class		
Organic peroxide	X		X			non hazardous
Corrosive material	X		X			
Compressed gas	X		X	EPA Hazard Waste Class		
Irritant	X		X			non hazardous
			X			Kidney toxin

Section 3. Safe Usage Data

Protective Equipment
 Eyes **Chemical goggles to avoid physical irritation**
 Respiratory **Use NIOSH-approved air-purifying dust respirator**
 Types **Gloves If continuous contact is anticipated, gloves may be used to avoid physical irritation (skin drying)**
Other N/A

Ventilation
General Mechanical To control dust below the PEL and TLV
Local Exhaust

Precautions
Handling & Storage Store under dry conditions
Other

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Section 4. Emergency Response Data

Fire **Extinguishing Media** Non-Flammable material
Special Procedures Non-Flammable material
Unusual Hazards Not applicable, will not produce dust explosion

Exposure **First Aid Measures** N/A
Spills **Steps to Be Taken** Sweep, scoop or vacuum. Dispose of only in accordance with local, State, or Federal regulations.

RQ# **Waste Disposal Method** Product is not a RCRA hazardous waste.

Section 5. Physical Hazard Data

Flammability LFL % Flash Point N/A °F °C
 UFL N/A %

Stability Stable X Conditions To Avoid Stable and non-volatile material.
 Unstable Hazardous Decomp Products N/A

Hazardous May Occur Conditions To Avoid N/A

Polymerization Will Not Occur X

Incompatibility Materials To Avoid N/A.

Section 6. Health Hazard Data

Effects of Exposure Eye: May cause physical irritation if exposed to large amounts of dust.
 Skin: May cause drying of skin.

Entry Route: Inhale X Ingest Skin X Eye X

Emergency Treatment Inhalation: May cause physical irritation in upper respiratory tract. This material is classed a respirable nuisance dust.
 Ingestion: No hazard under normal circumstances.

Section 7. Physical and Chemical Properties

Boiling Point N/A °F °C Vapor Density Air N/A Volatile Components N/A
 Vapor Press N/A mmhg psi pH 7.4
 Solubility in H₂O AL₂O₃ is insoluble Will Dissolve In N/A Evaporation Rate N/A
 Appearance White Powder Is material Paste Powder X
 Odor Odorless Solid Liquid Gas

Section 8. Manufacturer or Supplier Data

Firm's Name & Mailing Address Name Ralf Hoehn
 Bernatex Corporation Signature *Ralf Hoehn*
 P.O. Box 905 Title President
 N. Chelmsford, MA 01863 Date reviewed 10/21/04
 Emergency Telephone No. 978 256 9396

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Material Safety Data Sheet- Continuation Sheet

Product: MIROX PL

Section 1 Identity of Material

Regulated Identification: DOT proper Shipping Name:

NMFC # 1020 Class 55: Alundum, Corundum, Emery, or other Natural or Synthetic
Abrasive Material, consisting of Aluminum Oxide or Silicon Carbide.