

Polilens + 714 Y

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1 – Identification of the substance

Product Name : Polilens + 714 Y
Synonym : Aqueous slurry
CAS-No : Mixture
Product Code : 6900202

2 – Composition / Information on ingredients

Components	CAS Number	EC-no	Weight %	EC-label
Aluminum Oxide	1344-28-1	215-691-6	≥10 – <30 %	
Aluminum trinitrate 9 water	7784-27-2		≥1 – <5 %	
Water	7732-18-5	231-791-2		O, Xi;R: 8 36/38

3 – Hazards Identification

Emergency overview

Caution

May cause eye/skin irritation. Avoid contact with the skin and the eyes.

Potential Health effects

Principle routes of exposure : Eye contact. Skin contact.

Eye contact : May cause slight irritation

Skin contact : Prolonged skin contact may cause skin irritation and/or dermatitis

Inhalation : May cause irritation of respiratory tract

Ingestion : May irritate digestive tract

4 – First Aid Measures

Eye contact : Rinse immediately with plenty of water, also under the eyelids. Get medical attention if irritation develops.

Skin contact : Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

Inhalation : Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion : Drink plenty of water. Do not induce vomiting. Consult a physician if necessary.

Notes to physician : Treat symptomatically.

5 – Fire Fighting Measures

Flash point (°C) :	Non combustible
Suitable extinguishing media :	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Hazardous decomposition products :	Non reasonably foreseeable.
Special protective equipment for firefighters :	As in any fire, wear self-contained breathing apparatus (pressure-demand, NIOSH approved or equivalent) and full protective gear.

6 – Accidental Release Measures

Personal protection :	Evacuate area of all unnecessary personnel. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Ensure adequate ventilation.
Environmental precautions :	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.
Methods for cleaning up :	Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Dispose of promptly. Clean contaminated surface thoroughly. Shovel into suitable container for disposal.

7- Handling and Storage

Handling :	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.
Storage :	Keep container tightly closed in a dry and well-ventilated place.

8 – Exposure Controls / Personal Protection

Exposure limits : Minimize exposure in accordance with good hygiene practice.

Components	OSHA	ACGIH
Aluminum Oxide	10 mg/m ³ TWA total dust 2 mg/m ³ TWA respirable fraction	1 mg/m ³ TWA respirable fraction
Aluminum trinitrate nonahydrate	Not established	2 mg/m ³ TWA (as Al)

Engineering measures :	Ensure adequate ventilation, especially in confined areas.
Eye protection :	Safety glasses with side-shields.
Skin and body protection :	Lightweight protective clothing.
Hand protection :	Impervious gloves.
Respiratory protection :	Use NIOSH approved respirator when ventilation is inadequate. In case of insufficient ventilation wear suitable respiratory equipment. Seek professional advise prior to respirator selection and use. NIOSH approved respirators should be worn where engineering controls and work practices do not reduce exposure to or below the PEL.

9 – Physical and Chemical Properties

Color :	White	Physical state :	Slurry
Odor :	Odorless	Molecular weight :	No data available
Boiling point/range (°C) :	≥ 100°C	pH :	≥ 3.0 - ≤ 4.0
Melting point/range (°C) :	≤ 0°C	Freezing point/range (°C) :	0
Specific gravity (Water = 1) :	≥ 1.1 - ≤ 1.2	Vapor pressure (mmHg) :	2.3 kPa (20°C)
Water solubility :	Partial	VOC content (%) :	No data available

10 – Stability and Reactivity

Stability :	Stable at normal conditions.
Polymerization :	Will not occur.
Materials to avoid :	None know.
Conditions to avoid :	None know.
Hazardous reactions with :	halogen compounds, fluorine, vinyl acetate, ethylene oxide, nitrates, strong oxidizers.

11 – Toxicological Information

Acute toxicity :	No data is available on the product itself.
Target Organ Effects :	Aluminum oxide : Eyes, skin, respiratory system.

Component information, if any, is listed below

Aluminum oxide

LD50s and LC50s :	Oral LD50 (Rat) = 5000 mg/kg Oral LD50 Rat : > 5000 mg/kg
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Aluminum trinitrate-9-water

LD50s and LC50s :	Oral LD50 (Rat) = 3670 mg/kg
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12 – Ecological information

Aquatic toxicity :	Not determined
Persistence and degradability :	Not determined
Ecotoxicity :	LC-50:>100 mg/l/96H (Fish), Aluminum oxide EC-50:>100 mg/l/48H (Daphnia), Aluminum oxide IC-50:>100 mg/l/72H (Algae), Aluminum oxide
Remark on Ecotoxicity :	None

13 – Disposal Considerations

Waste for residues / unused Products :	Waste must be disposed of in accordance with federal, state and local environmental control regulations. Where possible recycling is preferred to disposal or incineration.
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14 – Transport information

DOT (U.S.)

Proper shipping name :	Not regulated
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TDG (Canada)

Proper shipping name :	Not regulated
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15 – Regulatory information

EC-Label :	Not applicable
Remark on EC-Labeling :	None

16 – Other Information

For Industrial Use Only

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.