

## Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

## U.S. Department of Labor

Occupational Safety and Health  
Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072



IDENTITY (As Used on Label and List)

**38 SERIES – WATER SOLUBLE WHITE  
ALUMINUM OXIDE**

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

### Section I

Manufacturer's Name <b>UNITED STATES PRODUCTS CO.</b>	Emergency Telephone Number <b>412-621-2130</b>
Address (Number, Street, City, State, and ZIP Code) <b>518 MELWOOD AVENUE</b>	Telephone Number for Information <b>412-621-2130</b>
<b>PITTSBURGH PA 15213</b>	Date Prepared <b>JANUARY -2014</b>
<b>N/A</b>	Signature of Preparer (optional) <i>Willie Binion</i>

### Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>PRODUCTS CONSIST OF WHITE ALUMINUM OXIDE IN COMPLEX MIXTURE OF WATER SOLUBLE WETTING AGENTS, CORROSION INHIBITORS AND EXTREME PRESSURE LUBRICITY.</b>				
<b>NON HAZARDOUS-NO OIL BASE</b>				

### Section III - Physical/Chemical Characteristics

Boiling Point	<b>187 ° C</b>	Specific Gravity (H <sub>2</sub> O = 1)	<b>1.1</b>
Vapor Pressure (mm Hg)	<b>.1MM HG</b>	Melting Point	<b>N/A</b>
Vapor Density (AIR = 1)	<b>2.6</b>	Evaporation Rate (Butyl Acetate = 1)	<b>.005</b>
Solubility in Water <b>DISPERSIBLE</b>			
Appearance and Odor <b>OFF WHITE COLOR – BLAND ODOR</b>			

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) <b>380 ° F/ 193.33 ° C (D-92)</b>	Flammable Limits <b>N/A</b>	LEL <b>N/A</b>	UEL <b>N/A</b>
Extinguishing Media <b>WATER FOG, FOAM, DRY CHEMICAL, CARBON DIOXIDE</b>			
Special Fire Fighting Procedures <b>N/A</b>			
Unusual Fire and Explosion Hazards <b>MAY IGNITE WITH EXTREME HEAT ALTHOUGH NOT READILY IGNITABLE</b>			

(Reproduce locally)

OSHA 174, Sept. 1985

## Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	<b>X</b>	<b>AVOID OPEN FLAMES</b>
Incompatibility ( <i>Materials to Avoid</i> ) <b>AVOID CONTACT WITH STRONG OXIDIZING AGENTS</b>			
Hazardous Decomposition or Byproducts <b>NONE</b>			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	<b>X</b>	<b>N/A</b>

## Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? <b>NO</b>	Skin? <b>AVOID EXCESSIVE SKIN CONTACT</b>	Ingestion? <b>DO NOT INGEST</b>
Health Hazards ( <i>Acute and Chronic</i> ) <b>PROLONGED SKIN CONTACT MAY CAUSE SLIGHT IRRITATION</b>			
Carcinogenicity:	NTP? <b>N/A</b>	IARC Monographs? <b>N/A</b>	OSHA Regulated? <b>N/A</b>
Signs and Symptoms of Exposure <b>N/A</b>			
Medical Conditions Generally Aggravated by Exposure <b>DERMATITIS</b>			
Emergency and First Aid Procedures <b>IF INGESTED DO NOT INDUCE VOMITING. CONTACT PHYSICIAN.</b>			

## Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
<b>WASH WITH SOAPY WATER – RINSE WITH CLEAN WATER</b>
Waste Disposal Method
<b>EMULSIFY WITH SOAP OR DETERGENT</b>
Precautions to Be taken in Handling and Storing
<b>STORE IN DRY PLACE.</b>
Other Precautions
<b>N/A</b>

## Section VIII - Control Measures

Respiratory Protection ( <i>Specify Type</i> ) <b>N/A</b>		
Ventilation	Local Exhaust <b>USE ADEQUATE FRESH AIR VENTILATION</b>	Special <b>N/A</b>
	Mechanical ( <i>General</i> ) <b>N/A</b>	Other <b>CLOSE CONTAINER AFTER USE</b>
Protective Gloves <b>USE GLOVES IF NEEDED TO AVOID SKIN CONTACT</b>		Eye Protection <b>USE SAFETY GLASSES TO AVOID EYE CONTACT IF NEEDED</b>
Other Protective Clothing or Equipment <b>N/A</b>		
Work/Hygienic Practices <b>WASH SKIN WITH SOAPY WATER – DO NOT INGEST</b>		

\* U.S.G.P.O.: 1986 - 491 - 529/45775