

Data Prepared: October 15th, 2019

Section 1 CHEMICAL PRODUCT and COMPANY IDENTIFICATION

PRODUCT DESCRIPTION	Polishing Compounds.
CHEMICAL NAME	Blended abrasive solid
GENERAL USE	Polish for metal
PRODUCT CODE	finishing.
MANUFACTURER ADDRESS	Zurechem Silicon Technologies 2 nd Industrial Zone, Plot 2, Block. Alex, Egypt.

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1.4:Emergency telephone number :
Emergency information :
plant fire bridge : +2034625126

Section 2 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS	Danger! Contains silica. Dust from buffing operation may cause damage to the lungs. May also irritate the eyes and the skin. Protective equipment should be worn. Wash skin after use.
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POTENTIAL HEALTH EFFECTS

Eye:	May cause eye irritation
Skin	May cause mild skin irritation
Ingestion	Large oral doses may cause irritation
Inhalation	Product as supplied is not hazardous. May cause serious health damage due to breathing dust from buffing operation with this material
Chronic	Silicosis, Cancer

GHS Label requirements

Pictogram --



Signal Word--- Danger

Hazard Statement

H372

Causes damage to lungs through repeated breathing of dusts resulting

Precautionary Statements

from buffing operations with this material

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P260	Do not breath dusts from buffing operation with this material
P285	In case of inadequate ventilation, wear respiratory protection
P280	Wear protective gloves/protective clothing/eye protection/ face protection
P302+P352	If on Skin: Wash with soap and water
P305+P351	If in eyes: Wash cautiously with water for 15 minutes.

Section 3 COMPOSITION/INGREDIENT INFORMATION

Ingredients	CAS	PEL/ TLV	Weight %
Alumina	1371-95-9	0.1 mg/M3	60-65%
Petroleum Oil or Wax		Not Hazardous	35-40%

Section 4 FIRST AID MEASURES

Inhalation	If exposed to excessive levels of dust, remove to fresh air. Get medical attention if cough, irritation or other symptoms develop.
Skin Contact	Wash with soap and water. Get medical attention if irritation or rash develop.
Eye Contact	Immediately flush eyes with plenty of water for 15 minutes. If abrasive particles are not removed, obtain medical attention.
Ingestion	Swallowing less than an ounce will not cause significant harm. For larger amounts do not induce vomiting, but give two 12 ounce glasses of water and obtain medical advice.

Section 5 FIRE FIGHTING MEASURES

Flash Point	>350 F
Extinguishing Media	Use alcohol foam, carbon dioxide, or dry chemical when fighting fires involving this material.
Fire Fighting Procedure	Remove ignition source and fight fire as if it were a grease fire.
Special Protective Equipment	As in any fire, wear self-contained breathing apparatus (pressure- demand, MSHA/NIOSH approved or equivalent) and full protective gear.

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Hazardous Combustion Products	<p>If heated to high temperature the product may emit carbon monoxide and carbon dioxide.</p> <p>Metal Dusts from the buffing of brass, zinc and especially magnesium or aluminum along with buffing cloth fibers and compound residues may cause fires or explosions when exposed to a strong ignition source. These fires typically are started in the vent pipes, collector bags or receptacles used in waste gathering from the buffing ventilation system. Make sure that the collectors are changed frequently and the waste kept in a cool, dry environment that is free from sparks or other strong ignition sources. The collection devices should be grounded to minimize static charges. Dust collection receptacles should be designed by engineers who are familiar with the potential hazard of a flammable or explosive dust. If such a fire occurs, fight the fire with a Class D fire extinguisher. Do not use water or a Halogenated extinguishing media.</p>
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Section 6 ACCIDENTAL RELEASE MEASURES

Environmental Precautions None known

Methods for Cleanup Sweep or Scoop up material for reuse or reclaim if Possible, otherwise place in a disposal container for proper disposition.

Section 7 HANDLING AND STORAGE

Handling No special handling requirements are known

Storage Keep out of sun and away from heat sources, as product may melt.
 Observe all safeguards for container residue until cleaned or destroyed. Do not flush to sewers or waterways unless authorized to do so by appropriate government official.

Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Values 0.1 mg/ M3 as dust resulting from the buffing operation with this material

Engineering Measures Ventilation to keep dust level at exposure limits

Hygiene Measures

Respiratory Protection Wear respiratory protection such as a dust mask

Hand Protection Wear gloves

Eye Protection Wear safety glasses with side shields or goggles

Skin Protection Wash with soap and water before eating or after shift

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid **Solubility in Water** None

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Color	white	Flash Point	>350F
Boiling Point	N/A	Vapor Density	N/A
Melting Point	135° F	Evaporation Rate	N/A
Specific Gravity	> 1.1	Odor	Mild
pH	N/A	VOC	None
Auto ignition Temperature	N/A		

Section 10 STABILITY AND REACTIV

Stability	Product is stable
Conditions to Avoid	Material can ignite if exposed to a continuous flame or heat source
Incompatible Materials	None known
Hazardous Decomposition Products	If product is involved in a fire, carbon monoxide could be emitted
Hazardous Polymerization	Will Not occur

Section 11 TOXICOLOGICAL INFORMATION

Eyes	May cause irritation from abrasion.
Skin Contact	May cause irritation
Skin Absorption	Not likely
Inhalation	Dust from buffing operation includes silica which may cause silicosis, a lung disease. Silica is also found to cause lung cancer in humans.
Swallowing	No adverse effect is expected

Section 12 ECOLOGICAL INFORMATION

Ecological Information	No data available
Bio accumulative Potential	Bioaccumulation is unlikely
Comments	This product is not believed to be toxic to aquatic life.

Section 13 DISPOSAL CONSIDERATIONS

General If discarded, the material in its original unused form is not a RCRA hazardous waste. Disposal should be in accordance with State and Local regulations for the disposal of non-hazardous waste. Be sure to check if compound (after used) has come in contact with a hazardous substance before disposal

Packaging Dispose in clean receptacle or box.

Section 14 TRANSPORTATION INFORMATION

DOT Classification	Not regulated
IMDG Classification	Not regulated
ICAO Classification	Not regulated

Section 15 TRANSPORTATION INFORMATION

UNITED STATES

Sara Title III

313 Reportable Ingredients	Contains
silica 302/304 Emergency Planning	None
Emergency Plan	Report as required by the state and local agencies for both product And waste

CERCLA (Comprehensive Response, Compensation and Liability Act) CERCLA RQ None

EPA HAZARD CATEGORIES

SARA 311/312 - product contains silica

TSCA (Toxic Substance Control Act)

TSCA Status - All ingredients are on the TSCA list

Section 16 TRANSPORTATION INFORMATION

Hazard Rating System (Pictograms)

<p>NFPA:</p>	<p>HMIS:</p>
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Initial Release	May 8, 2014
May 8, 2017	SDS for this item was the Polishing Compound Bars SDS
Revised october 15, 2019	Created this individual SDS for these items from the vendor's SDS

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