

# MATERIAL SAFETY DATA SHEET



**SHAT R PROOF Corp.**  
 10425 Hampshire Avenue South  
 Bloomington, MN 55438  
 Emergency phone # (952) 944-8000

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

<b>PRODUCT NAME(S):</b>	FINISHING COMPOUND (P/N 8322)	<b>SHAT-R-PROOF I.D. NUMBER:</b>	8319
<b>CHEMICAL NAME:</b>	Cerium Oxide (primary component)	<b>PRODUCT USE:</b>	Glass Polishing

## SECTION 2 - INGREDIENTS

INGREDIENT	% BY WEIGHT	CAS #	EXPOSURE LIMITS	LD50 (SPECIES & ROUTE)	LC50 (SPECIES)
Non-Hazardous:					
Cerium Oxide	15 - 40	1306-38-3	Particulates not otherwise regulated: Total Dust: 10 mg/m3 (1) 15 mg/m3 (2) Respirable Dust: 5 mg/m3 (2)	NE	NE
Hydrous Aluminum Silicate	5 - 10	1302-78-9		NE	NE

**NOTES:** (1) ACGIH TLV (TWA) (2) - OSHA PEL (TWA) (3) - ACGIH STEL (4) - OSHA STEL (5) - MFR/SUPPLIER TLV  
 LD 50 VALUES ARE VIA ORAL ROUTE UNLESS OTHERWISE INDICATED  
 \*\* TOXIC CHEMICAL REPORTABLE PER SECTION 313, TITLE III SARA AND 40 CFR372

## SECTION 3 - PHYSICAL DATA

<b>PHYSICAL STATE:</b>	Aqueous Slurry	<b>APPEARANCE:</b>	White	<b>ODOR:</b>	None
<b>VAPOR PRESSURE (mmHg):</b>	UN	<b>% VOLATILE:</b>	UN	<b>VAPOR DENSITY (AIR=1):</b>	UN
<b>EVAPORATION RATE (BuAc=1):</b>	UN	<b>BOILING POINT (deg C):</b>	100	<b>FREEZING POINT (deg C):</b>	0
<b>pH:</b>	8.9	<b>DENSITY (g/ml):</b>	1.7	<b>SOLUBILITY IN WATER:</b>	Insoluble

## SECTION 4 - FIRE AND EXPLOSION DATA

<b>FLAMMABILITY</b>	IF YES, UNDER WHICH CONDITIONS:				
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>					
<b>EXTINGUISHING MEDIA:</b>	Not combustible				
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	None				
<b>FLASH POINT (PMCC) deg F:</b>	NA	<b>UPPER FLAMMABILITY LIMIT: (% BY VOLUME)</b>	NA	<b>LOWER FLAMMABILITY LIMIT: (% BY VOLUME)</b>	NA
<b>AUTOIGNITION TEMPERATURE (deg C):</b>	NA	<b>HAZARDOUS COMBUSTION PRODUCTS:</b> NA			
<b>EXPLOSION DATA</b>	<b>SENSITIVITY TO IMPACT:</b> NA		<b>SENSITIVITY TO STATIC DISCHARGE:</b> NA		

## SECTION 5 - REACTIVITY DATA

<b>CHEMICAL STABILITY:</b>	IF NO, UNDER WHICH CONDITIONS:	
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
<b>INCOMPATIBILITY WITH OTHER SUBSTANCES:</b>	Strong acids	
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IF SO, WHICH ONES?	
<b>REACTIVITY, AND UNDER WHICH CONDITIONS?</b>	NA	
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	NA	

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NA - NOT APPLICABLE

UN - UNAVAILABLE

NE - NOT ESTABLISHED

**PRODUCT NAME(S):** FINISHING COMPOUND P/N 8322

### SECTION 6 - TOXICOLOGICAL PROPERTIES

<b>ROUTE OF ENTRY:</b> SKIN CONTACT <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE CONTACT <input checked="" type="checkbox"/> INHALATION <input checked="" type="checkbox"/> INGESTION <input checked="" type="checkbox"/>			
<b>EFFECTS OF ACUTE EXPOSURE TO PRODUCT:</b> Breathing dust may result in irritation of the nose and throat. Dust may be abrasive and irritating to eyes, causing burning, tearing, and redness. Dust may irritate digestive tract if ingested.			
<b>EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:</b> Breathing dust in excess of TLV may result in inflammation of lungs.			
<b>EXPOSURE LIMITS:</b> See section 2.	<b>IRRITANCY OF PRODUCT:</b> Mild: Eyes and respiratory	<b>SENSITIZATION TO PRODUCT:</b> UN	<b>CARCINOGENICITY:</b> No
<b>TERATOGENICITY:</b> No	<b>REPRODUCTIVE TOXICITY:</b> No	<b>MUTAGENICITY:</b> No	<b>SYNERGISTIC PRODUCTS:</b> None known

### SECTION 7 - PREVENTIVE MEASURES

<b>PERSONAL PROTECTIVE EQUIPMENT</b>	
<b>CLOTHING (SPECIFY):</b> Wear chemical resistant gloves and clothing as needed to prevent skin contact.	<b>RESPIRATORY (SPECIFY):</b> Avoid breathing airborne dust. In dusty areas, use powdered air purity respirator with a dust filter (OSHA 29CFR 1910).
<b>EYE (SPECIFY):</b> If potential for eye contact exists, wear chemical safety goggles.	<b>OTHER (SPECIFY):</b> If possible, eye wash and safety shower should be available.
<b>ENGINEERING CONTROLS (SPECIFY):</b> Local exhaust ventilation is recommended. Use general ventilation for general area control.	
<b>LEAK/SPILL PROCEDURE:</b> Wear personal protective equipment and clean up with inert absorbant material. Avoid contact with skin and breathing airborne dust.	
<b>WASTE DISPOSAL:</b> Dispose of according to local, state, provincial, and federal regulations.	
<b>HANDLING PROCEDURES/EQUIPMENT AND STORAGE REQUIREMENTS:</b> Avoid ingestion, inhalation, exposure to eyes, and prolonged contact with skin. If airborne dust cannot be satisfactorily controlled by local exhaust ventilation, an OSHA approved dust respirator should be worn.	
<b>SPECIAL SHIPPING INFORMATION:</b> NA	<b>H M I S RATING:</b> 1 0 0

### SECTION 8 - FIRST AID MEASURES

<b>SYMPTOMS / EFFECTS OF OVEREXPOSURE:</b> Nose, throat, skin, eye, and respiratory irritation. Dust may cause irritation to digestive tract.	
<b>EYES:</b>	Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. Get prompt medical attention.
<b>SKIN:</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists.
<b>INHALATION:</b>	Move victim to fresh air and treat symptomatically. Seek medical attention if irritation persists.
<b>INGESTION:</b>	If vomiting occurs, place on left side with head down. Seek medical attention. If fully conscious, give two glasses of water, and induce vomiting. Treat symptomatically.

### SECTION 9 - MSDS PREPARATION INFORMATION

<b>THIS MATERIAL SAFETY DATA SHEET IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTENT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.</b>	
<b>PREPARED BY:</b> SHAT-R-PROOF Corp. CHEMISTRY DEPARTMENT	<b>DATE:</b> 11 - 20 - 00

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