# Material Safety Data Sheet

	Section 1 - Product Identification								
Product Nam									
	e. Mr-3r r's Information:			Formula type: Mixture					
Mass Finishir				Emergency Telephone: 1-88	88-260-6277				
1060 Comme	-			Information: 320-543-3222					
Howard Lake				Fax: 320-543-3355					
	Section 2 - Hazardous Ingredients								
INGREDIENT		<u>CAS # % range</u>		<u>TLV</u>	<u>PEL</u>				
Aluminum oxic		1344-28-1	1-6	10 mg/m³	5 mg/m³				
Comments	Balance of ingredients are not defined as hazardous by OSHA <b>Comments</b> TWA – Time Weighted Average is the employee's average airborne exposure in any 8-hour work shift of a 40-hour work week which shall not be exceeded. STEL – Short Term Exposure Limit is the employee's 15-minute time weighted average exposure which shall not be exceeded at any time during a work day unless another time limit is specified.								
			Section 3 - Pl	hysical Data					
Form:		Granulated Sc	lid	рН:	None				
Color:		Yellow		рН (1% vol):	None				
Odor:		Mild		Solubility in Water:	No				
Specific Grav	rity (Water = 1):	<1		Vapor Density ( $Air = 1$ ):	ND				
Boiling Point	°F:	N/A		% VOC by weight:	ND				
Evaporation I	Rate (Water = 1):	N/A		Vapor pressure:	ND				
		Section	on 4 - Fire and E	xplosion Information					
Flash Point (I	Method) F:	>340 (COC)							
Unusual Fire Hazards:	-		•	. Smoke, fumes, hazardous o	decomposition products. Product is				
Extinguishing	Agents:	Foam, carbon dio	xide, dry chemical, v	water fog, water					
Fire fighting r	nethods:	Evacuate area and fight fire from a safe distance. Fire fighters must wear MSHA/NIOSH approved positive pressure breathing apparatus with full face mask and full protective equipment.							
	Sec	tion 5 - Health H	azard Data - Sigi	ns and Symptoms of Overe	exposure				
Probable Rou	ites of Entry:	Eves, skin, inhala	tion. Eve and skin i	rritant. See section 11: other ef	fects for toxicity information.				
Eyes:	2	Contact with eyes may cause minor irritation such as redness, tearing.							
Skin:		This product contains materials that can cause slight skin irritation.							
Inhalation:		Overexposure ma	y cause throat, lung	and nose irritation.					
Ingestion:		Ingestion this proc	duct may cause nau	sea, vomiting and abdominal pa	ain.				
Medical Conc		Pre-existing disor	ders may be aggrav	ated.					
Aggravated b	y Exposure:								
		Sectio	n 6 - Emergency	First Aid Procedures					
Eyes:	eyelids apart	Check for and remove contact lenses. Flush immediately with copious amounts of water for 15 minutes while holding eyelids apart to ensure complete irrigation of eye and eyelid tissues. If irritation develops, take exposed individual immediately to a health care professional, preferably an ophthalmologist, for emergency first aid and further evaluation.							
Skin:	Wash expose	Wash exposed area with copious amounts of water. Repeat washing. If redness or irritation occurs, seek immediate medical attention. Launder contaminated clothing before reuse.							
Inhalation:	If exposure by	If exposure by inhalation is suspected, move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty breathing, seek a health care professional immediately. Administer CPR if necessary.							
Ingestion:	Do not induce vomiting unless directed by a physician. Obtain immediate medical aid or call poison control. During vomiting there is a danger of aspirating liquid into lungs, causing serious damage and chemical pneumonitis. If spontaneous vomiting occurs, keep head below hips to prevent aspiration and monitor for breathing difficulty. Seek immediate medical attention or call 911. Never give anything by mouth to an unconscious person.								

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Section 7 - Reactivity Data							
Stability:	Stable when stored and used under normal conditions.						
Incompatibility:	Strong oxidizers, bases, reducing agents, and acids.						
Hazardous Decomposition Products:	Thermal decomposition may release smoke, carbon dioxide, carbon monoxide, or other hazardous gases.						
Hazardous Polymerization:	Will not occur.						
	Section 8 - Spill & Leak Procedures						
Procedures for Cleanup:	Wear protective gear.						
Small spills:	Sweep up and rinse with water.						
Large Spills:	Ventilate area. Remove sources of ignition. Keep out of surface waters. Salvage for reuse if possible. Otherwise place into suitable container for disposal. Do not flush to sewers. Inform local pollution officials of spill. Call local regulatory agency.						
Waste Disposal:	Contact the proper county, state or federal authorities.						
Section 9 - Special Protection Information							
Ventilation Type Required:	General or local						
Protective Gloves:	Wear rubber, neoprene, or nitrile gloves						
Respiratory Protection:	Not necessary under normal use conditions and ventilation. If dust is generated, wear NIOSH respirator for mists.						
Eye Protection:	Wear safety glasses.						
Other Equipment:	Water source for eye and skin wash. Rubber boots to keep feet dry in case of spill.						

## Section 10 - Special Precautions

Product should be stored in cool dry area. Store out of direct sunlight. Keep out of reach of children. Keep container closed when not in use. Thoroughly rinse empty containers before disposal. Use in well ventilated area. Do not breathe dust. Wash hands after handling.

		Section	on 11 - Toxicity	/ Data			
<u>Toxicity</u>		<u>LD50 – Oral - rat</u> LD50 – sk		in absorption-rabbit		LC50 - Inhalation	
Aluminum oxide		ND	ND			ND	
Carcinogenicit	Ľ	<u>NTP</u>	<u>IARC</u>		<u>OSHA</u>		
Aluminum oxide		No	Yes		No		
Other effects:		<b>Reproductive Toxicity</b>		<u>Teratogenicity</u>		<u>Mutagenicity</u>	
Aluminum oxide		No	No			No	
Section 12 - Ecological Information							
Environmental toxicity & Fate: This product is not known to be hazardous and expected to readily biodegradable.							
		Section 1	3 - Hazard Rati	ing - HMIS			
0 = minimal	1 = slight	2 = moderate	ate $3 = serious$ $4 = s$		4 = se	evere	
Health: 1	Reactivity: 0	Fire: 0	Personal protection equipment: B (gloves & glasses)			s & glasses)	
		Section 14	- Regulatory I	nformation			
<ul> <li>Chemical Ingredient</li> </ul>	Inventory Status - p	art 1 •	TSCA	EC	Japan	Australia	
Aluminum oxide			Yes	Yes	Yes	Yes	
			Korea	DSL	NDSL	Philippines	
Ingredient Aluminum oxide			Noied	DSL	NDSL	riiippines	

Product name: MF-3F

• Federal, State & International Regulations - part 1 •

		SARA 302			SARA 313	
Ingredient		RQ	TPQ	List	Chemical	Catg.
Aluminum oxide		No	No	Yes	No	
Ingredient		CERCLA	RCRA 261	.33	TSCA 8(d)	
Aluminum oxide		No	No		No	
Chemical weapon	No		TSCA 12(b):	No	CDTA:	No
SARA 311/312:	Acute: yes Reactivity: No	Chronic: No	Fire:	No	Pressure:	No

#### Section 15 - Shipping Name

#### Not DOT regulated

### Section 16 - WHMIS

This material is classified as not hazardous under the WHMIS in Canada. This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

Section 17 - Documentary Information						
Date issued:	6/3/2008	Supersedes:	Reason for update:			
Prepared by:	S. VanGrasstek	Title:	Phone:	763-417-1380		
<u>ABBREVIATIONS:</u> > = GREATER THAN NA = NOT APPLICABLE		NE = NOT ESTABLISHED <= LESS THAN ND = NO DATA	NDA = NO DATA A BCF = BIOCONCE	VAILABLE INTRATION FACTOR		

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