



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION					
PRODUCT NAME: 21020 - 5% Dry OC Powder			DATE: August 11, 2008		
PRODUCT NUMBER(S): 12020					
TRADE NAME: 21020 - 5% Dry OC Powder GENERAL USE: Crowd Management CHEMICAL FAMILY: Silica / Magnesium Oxide + OC PRODUCT DESCRIPTION: Fine Powder.			 DEFENSE TECHNOLOGY		
MANUFACTURED FOR: Safariland LLC			DATE PREPARED: August 11, 2008		
ADDRESS (NUMBER, STREET, P.O. BOX) 13386 International Parkway			SUPERSEDES: November 1, 2006		
(CITY, STATE AND ZIP CODE) Jacksonville, FL 32218			TELEPHONE NUMBER FOR INFORMATION / Customer Service 904-741-5400		
COUNTRY USA			CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER		
					
			1-800-255-3924 01-813-248-0585 North America Toll Free International		
SECTION 2 - HAZARDOUS INGREDIENTS					
Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Magnesium Oxide	NR	1309-48-4	215-171-9	None	None
Fumed Silica	NR	7631-86-9	231-545-4	None	None
Oleoresin Capsicum 943355	NR	8023-77-6	Not referenced	None	None
Notes: Hazard symbols and risk phrases based on maximum listed concentration of each hazardous ingredient.					
SECTION 3 - HAZARDS IDENTIFICATION					
EMERGENCY OVERVIEW					
Irritating and toxic fumes from heated material. Irritant dust may be explosion hazard.					
POTENTIAL HEALTH EFFECTS					
INHALATION:					
Irritating dust to respiratory tract; may cause coughing, sneezing, wheezing, and generalized respiratory distress.					
SKIN:					
Skin irritant that can cause superficial keratitis.					
EYES:					
Eye irritant capable of causing conjunctivitis.					
INGESTION:					
Product will cause irritation to gastro-intestinal tract resulting in diarrhea and nausea, but is only mildly toxic.					
CARCINOGENICITY:					
NTP? No		IARC MONOGRAPHS? No		OSHA REGULATED? No	
CALIFORNIA, Prop.65? No					
SECTION 4 - FIRST AID MEASURES					
INHALATION:					
Move victim to fresh air and seek medical attention if symptoms of coughing or wheezing are persistent.					
EYES:					
Corneal abrasions are possible. In case of contact with eyes - clean with a cotton swab. Then flush for at least 15 minutes with clean water, lifting eyelids occasionally. Get medical help if symptoms persist.					
SKIN:					
Possible irritation. For skin contact, wash with soap and water. Seek medical attention if irritation persists.					
INGESTION:					
Contact poison control with information on this sheet, then seek medical attention as directed.					
SECTION 5 - FIRE FIGHTING MEASURES					
GENERAL HAZARDS:					
Inhalation of heated product may result in metal fume sickness; heated product is irritating to skin, eyes, and respiratory tract.					
EXTINGUISHING MEDIA:					
Choose media for surrounding fire.					
FIRE FIGHTING PROCEDURES:					
Firefighters should wear NIOSH/MSA or European EN149 approved self-contained breathing apparatus and other necessary protective clothing. Full turn-out clothing is recommended.					
UNUSUAL FIRE AND EXPLOSION HAZARDS:					
Dust may combust/explode under certain conditions. Avoid clouds of dust around ignition sources. Burning product is irritating and potentially toxic.					
HAZARDOUS COMBUSTION PRODUCTS:					
metal oxide fumes, carbon oxides, nitrogen oxides.					

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Secure and evacuate the area, put on personal protective equipment, add talc or chalk (Calcium Carbonate) powder to spill, then carefully sweep up spill and place in closed container. For large spills, contact appropriate authorities to handle cleanup. Control all sources of ignition.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not expose to heat, open flames, or sparks . Avoid wet storage conditions.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³	TLV/TWA ppm	TWA mg/m ³	PEL ppm	PEL mg/m ³
Magnesium Powder	NE			NE	NE		NE	
Aluminum Powder		10				10	15 mg/m ³ (5 respirable)	
Potassium Perchlorate	NE			NE	NE		NE	
Magnesium Oxide						10		15
Fumed Silica		6						80
Oleoresin Capsicum 943355	0.05		C 0.05	0.4			0.05	0.4

PERSONAL PROTECTION

RESPIRATORY PROTECTION:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

PROTECTIVE GLOVES:

Wear appropriate protective gloves to prevent skin exposure.

EYE PROTECTION:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Wear appropriate protective clothing to prevent skin exposure. Hearing protection is also advised when product is used as intended.

WORK / HYGIENIC PRACTICES:

Wash hands with soap and water after contact with material. Do not expose to heat, open flames, or sparks.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Fine Powder.	VAPOR PRESSURE NA
VOC NA Volatility NA	SPECIFIC GRAVITY (WATER = 1) 2.5
BOILING POINT / BOILING RANGE NA	SOLUBILITY IN WATER Nil
FLASH POINT NA	VISCOSITY NA
FLAMMABLE LIMITS LEL: NA UEL: NA	VAPOR DENSITY (AIR = 1) NA
AUTOIGNITION TEMPERATURE NA	EVAPORATION RATE BUTYL ACETATE = 1) NA

SECTION 10 - STABILITY AND REACTIVITY

STABILITY STABLE x	CONDITIONS TO AVOID: Sources of ignition, excessive heat.
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INCOMPATIBILITY (MATERIALS TO AVOID):

Avoid acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Metal oxide fumes, halogenated fumes, Carbon Oxides, Silica fumes

HAZARDOUS POLYMERIZATION:

Will not occur

CONDITIONS TO AVOID:

None related to polymerization.

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SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Magnesium Oxide	1309-48-4	NE	NE
	215-171-9		
Fumed Silica	7631-86-9	Oral, Rat: LD50=3160 mg/kg	NE
	231-545-4		
Oleoresin Capsicum 943355	8023-77-6	Oral, mouse: 282 mg/kg. Oral, Rat: 178 mg/kg .	inhalation mouse LC50=2,753 mg/m ³ /20 minute inhalation.
	Not referenced		

SECTION 12 - ECOLOGICAL INFORMATION

Do not discard into waterways or streams.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

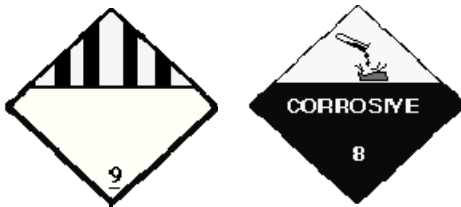
Do not use water, especially on molten or burning product. Product should be treated as hazardous. Dispose in accordance with local, state, and federal regulations involving explosive products. DO NOT PLACE IN ORDINARY TRASH RECEPTACLES.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Tear Gas Device, UN 1693

DOT HAZARD CLASS / Pack Group: 8 / Group II REFERENCE: 49CFR UN / NA IDENTIFICATION NUMBER: 1693 LABEL: ORM (irritant), Corrosive	IATA HAZARD CLASS / Pack Group: Passenger - Forbidden, Cargo Only - 25 kg IMDG HAZARD CLASS: 8- Corrosive RID/ADR Dangerous Goods Code: 80 UN TDG Class / Pack Group: II
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HAZARD SYMBOLS:



Hazard Identification Number (HIN):

89

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.


SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act):	No
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):	No
Acute Health:	Yes
Chronic Health:	No
Fire:	No
Sudden Release of Pressure:	No
Reactive:	No
313 REPORTABLE INGREDIENTS:	None
CERCLA (USA - Comprehensive Response Compensation and Liability Act):	None
California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:	None
CCPR (Canadian Controlled Products Regulations):	None
CIDL (Canadian Ingredient Disclosure List):	None
CDSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List):	Referenced on CDSL
EINECS (European Inventory of Existing Commercial Chemical Substances):	Referenced
WGK Water Quality Index:	2

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SECTION 15 - REGULATORY INFORMATION (Continued)

RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU LABEL	SAFETY PHRASES:
R 20/22 : Harmful by inhalation and if swallowed.	(+-Xi-HARMFUL) 	S2 : Keep out of the reach of children. S7/8 : Keep container tightly closed and dry. S22 : Do not breathe dust. S27 : Take off immediately all contaminated clothing.

SECTION 16 - OTHER INFORMATION

Legend			
NA=Not Applicable	ND=Not Determined	NE = Not Established	NR = Not Reported
HMIS HAZARD RATINGS	HEALTH: FLAMMABILITY: PHYSICAL HAZARD: PERSONAL PROTECTIVE EQUIPMENT:	2 1 1 B	0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME

REVISION SUMMARY:
 Revised to GHS/E.U. protocols 8/11/2006 supersedes 11/1/2006 issue.LB

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.