MATERIAL SAFETY DATA SHEET

ThisMSDS compies 114h OSfi!\'S Hazard O:immunicatbn Standard 29 CfR 1910,1200 and OSHA Form 174

IDENTILY AND MANUFACTURER'S INFORMATION							
NFPA Rating: Health-1: Rammablity-0; ReactWity-0; Special	HHIS Ra	HHIS Rating: Health-1: Rammability-0; Reactt.'ity-0; Personal PR>tectbn B					
Manufadure(s Name: Metropolitan Compounds	DOT Ha	DOT Hazard Classificaion: Non-Hazatdous					
Address: 3343 N University Drive	Identity	Identity (trade name as used on label)					
Hollywood, FL 33024		BRUSH ON GRIT					
Date Prepared: 06/01,93 Prepared By: ES MSDS r-1.imber:							
Infor1TBtion Calls: 912-554-3700 NOTICE: JUDGEMENT BASED ON INDIRECTTEST DATA							
SECTION 1 • MATERIAL IDENTIFICATION AND INFORMATION							
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES		GAS Number	SARA	OSHA PEL	ACGIH	Carcinogen	
(HazardousCorrponents 1% orgreater, Carcinogens 0.1 % or greater)			III List	(ppm)	TLV (ppm)	Ref. Source **	
Ethylene Glycd EB		111-76-2	YES	TWA 50 PPM	N/E	d	
• Indicates hazardous ingredients which are toxic cheritcals Subject to the reporting requirements of							
Section 313 of the emergency planning and community right-to-know act of 1986 and of 40 CFR 372							
					f -		
SECTION 2 • PHYSICAL/CHEMICAL CHARACTERISTICS							
Boiling Pol nt: Not eslabliSled Specific GraviW (Water)'1): 1.01							
Vapor Pressu-e: PSIG@46		Melting Point: Not App6cabla					
Vapor Density (Air = 1) N/D		Eva po ration Rate (But Ak:ohol = 1) slower				1	
SolubiliW in Water: compete		ncentrate:	4.5 • 5.5	.,			
Appeara nee and Odor: Velo Solution, Sli\textree CherricalOdor							
SECTION 3 • FRE AND EXPLOSION HAZARD DATA							
FLAMMABILITY as per USA FLAME PROJECTION TEST Auto Ignition Temperature Flammability Limits in Air by% in Volume:							
Non.flarrrnable	/ "	N/A	i di di di	% LEL: N/A		.: N/A	
FLASH PO INT AND METHOD USED (non-aerosols): Non-combustible	SPECIAL FIRE FIGHTING PROCEDURES:				. 1071		
(Horridonial Control of the Control		Keep containers		Use chemical fo	am		
EXTINGUISHER MEDIA: WaterSpray, Foam							
Unusual Fi re & Ex ploslon Hazards: None knowi.							
SECTION 4 • REACTIVITY HAZARD DATA							
STABILITY (X) SIABLE () UNSTABLE	AILD DA	HAZARDOUS P	OLYMERIZA	TION	() WILL (X) WILL NOT OCCUR	
Incompatitility (Mat. to avoi::1): Liquid and pov.der chbrine, Hyd10gen	Perovi:·le		Conditions		None	TY WILL HOT GOODIN	
Hazardous Decompos itlon Products: None required under nomial conditions of storage and use.							
SECTION 5 - HEALTH HAZARD DATA							
PRIMARY ROUTES OF ENTRY: () INHALATION () INGESTION () SKIN ABSORPTION () EYE () NOTHAZARDOUS							
ACUTE EFFECTS: May cause s6ght irritation of skh and eyes. 1-armful if swalowed							
Inhalation: No							
Eye Cortact Skin Canta ct: No							
Ingestion: Unlikely I Carcinogen	icity:	NTP:No	IARC Mono		Osha Rsgua	alEd: No	
Signs & Symptoms of Exposure: Redness of skh and eyes. Bu,ning o			ir a to Triono	graphic. To	Cona raga	aled. 10	
CHRONIC EFFECTS: Unlikely							
Medical Conditions Generally Aggravated Exposl.l'e: None KnoM*I							
The state of the s							
EMERGENCY ARSTAID PROCEDURES							
Eye Cortact Flush with waterfor 15 ninutes. Get medCal attention if irritation persists							
Skin Canta ct: Remove contarrinated cbthing. Wash wth soap and water:							
Inhala tion: Not liket, Flush nasal passages Wth water. If irritation dewlaps, contact rredical authorities.							
Ingestion: DO NOT INDUCE VOMITING. drink 3 to 4 glasses of v.ater. Get irrmediate medbal attention.							
SECTION 6. CONTROLAND PROTECTIVE MEASURES							
Respiratary Pro•ction (specify type): None required under normal conditions of storage and use.							
Proective Gloves: Rubber I Eye ProBotion: Glass; is or gogglas							
Ventilation Requirements: Do not spray in confined area. Do not breath mSt.							
Other Protective Clothing & Equipment: As required to prevent skin contact							
Hygienic wak Practices: Wash hands after US!							
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE							
Steps To Be laken IfMa'lBrial is Si;illed Or Released: Wipe, mop, orflush Wthater. Soak up Mth absorbent material.							
Weste Diagonal Watterday - This with water							
Waste Disposal Illethoxus: Flush with water Precautions To Be Taken in Handling & Storage: Storage by day area. Keep contaber cheed							
Precautions To Be Taken In Handling & Storage: Store h dry area. Keep contaher cbsed							
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.							

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910,1200 and OSHA Form 174 IDENTITY AND MANUFACTURER'S INFORMATION NFPA Rating: Health-1: Flammabilily-0; Reactivity-0; Special HHIS Rating: Health-1: Flammability-0; Reaclivity-0; Personal Protection Manufacturer's Name: Goldstar Products DOT Hazard Classification: Non-Hazardous Address: PO Box 291630 Identity (trade name as used on label): Davie, FL 33329 BRUSH ON GRIT Date Prepared: 06/01193 Prepared By: ES MSDS Number: Information Calls: 912-554-3700 NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA Emergency Calls: 800-255-3924 SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION COMPONENTS-CHEMICAL NAMES AND COMMON NAMES CAS Number OSHA PEL ACGIH Carcinogen (Hazardous Components 1% or greater; Carcinooens 0.1% or greater) III Listm] TLV (oom\ Ref. Source .. 111•76-2 Eth lene Glycol EB YES TWA 50 PPM NIE d · Indicates hazardous ingredients which are toxic chemicals subject to the raporting requirements of Section 313 of the emergency planning end community right-to-know act of 1986 and of 40 CFR 372 SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS Bolling Point: Not established Specific Gravity (Water)=1): 1.01 Vapor Pressure: PSIG@ 46 MeltIna Point: Not Annlicable Vapor Density (Air= 1): N/D Evaporation Rate (Butyl Alcohol= 1): slower pH of Concentrate: 4.5 • 5.5 Solubility h Water: comolete Appearance and Odor: Yello Solution, Sweet Chemical Odor SECTION 3 - FIRE AND EXPLOSION HAZARD DATA FLAMMABILITY as per USA FLAME PROJECTION TEST Auto Ignition Temperature Flammability limits in Air by% in Volume: Non-flammable NIA % LEL: NIA % UEL: NIA FLASH POINT AND METHOD USED SPECIAL FIRE FIGHTING PROCEDURES: (non-aerosols): Non-combustible Keep containers cool Use chemical foam EXTINGUISHER MEDIA: Water Spray, Foam Unusual Fite & Explosion Hazards: None known. SECTION 4 - REACTIVITY HAZARD DATA STABILITY /XI STABLE I I UNSTABLE IHAZARDOUS POLYMERIZATION () WILL (X) WILL NOT OCCUR Liquid and powder chlorine, Hydrogen Peroxide 50%, Alkali Incompatibility (Mat. b avoid): I conditions to Avoid: None Hazardous Decomposition Products: None reauired under normal conditions of storage and use. SECTION 5 - HEALTH HAZARD DATA PRIMARY ROUTES OF ENTRY: () INHALATION () INGESTION {) SKIN ABSORPTION () EYE {) NOT HAZARDOUS May cause slight irritation of skin and eves. Harmful ifswallowad ACUTE EFFECTS: Inhalation: Eye Contact: Skin Contact: No Unlikaly NTP: No IARC Monographs: Ingestion: I Carcinogenicity: No Osha Regualled: Signs & Symptoms of Exposure: Redness of skin and eves. BurninA of eves and skin. Unlikely Medical Conditions Generally Aggravated by Exposure: None Known EMERGENCY FIRST AID PROCEDURES Eye Contact: Flush with water for 15 minutes. Get medical attention if Irritation oerslsts Skin Contact: Remove contaminated clothing. Wash with soap and water. Not likelv. Flush nasal passages with water. If irritation develops, contact medical authorities. Ingestion: 0 0 NOT INDUCE VOMITING. drink 3 b 4 classes of water. Get immediate medical attention. SECTION 6-CONTROL AND PROTECTIVE MEASURES Respiratory Protection (specify type): None required under normal conditions of storage and use. Protective Gloves: Rubbar Eye Protection: Glasses or goggles Ventilation Requirements: Do not snray in confined area. Do not breath mist. As reouired to prevent skin contact Other Protective Clothing & Equipment: Wash hands after use. Hvglenlc work Practices: SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE Steps To Be Taken If Material is Spilled Or Released : Wipe, mop, or flush with water. Soak up with absorbent material. Waste Disposal Methods: Flush with water Precautions To Be Taken In Handling & Storage: Store in dry area. Keep container closed Other Precautions &/or Special Ha.:ards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.