## **MATERIAL SAFETY DATA SHEET**

ThisMSDS compies "14th OSfi!\'S Hazard O:immunication Standard 29 CfR 1910,1200 and OSHA Form 174

IDENTILY AND MANUFACTUR	ER'S INI	FORMATION				
NFPA Rating: Health-1: Rammablity-0; ReactWity-0; Special	HHIS Rating: Health-1: Rammability-0; Reactt.'ity-0; Personal PR>tectbn B					
Manufadure(s Name: Goldstar Products	DOT Hazard Classificaion: Non-Hazatdous					
Address: PO Box 291630	Identity (trade name as used on label)					
Davie, FL 33329		BRUSH ON GRIT				
ate 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 cherticals 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						
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SECTION 2 • PHYSICAL/CHEMICAL CHARACTERISTICS						
oiling 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				
SolubiliW in Water: compete		ncentrate:	4.5 • 5.5	.,		
Appeara nee and Odor: Velo Solution, Sli\textreet 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		% LEL: N/A		.: N/A
FLASH PO INT AND METHOD USED (non-aerosols): Non-combustible	SPECIAL FIRE FIGHTING PROCEDURES:					
(		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		HAZARDOUS P	OLYMERIZA	TION	() WILL (	X) WILL NOT OCCUR
IncompatItility (Mat. to avoi::1): Liquid and pov.der chbrine, Hyd10gen	Peroxi::le	50%, Alkali	Conditions	to Avoid:	None	
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 irritatbn of skh and eyes. 1-arrrful if swalowed						
Inhalation: No						
Eye Cortact Skin Canta ct: No						
Ingestion: Unlikely I Carcinogen	icity:	NTP:No	IARC Mono	graphs: No	Osha Rsgua	alEd: <b>No</b>
Signs & Symptoms of Exposure: Redness of skh and eyes. Bu,ning o	f eyes and	skin.			30.370000000 L	
CHRONIC EFFECTS: Unlikely						
Medical Conditons Generally Aggravated Exposl.l'e: None KnoM'l						
EMERGENCY ARSTAID PROCEDURES						
Eye Cortact Flush with waterfor 15 ninutes. Get medCal atlention if irritation persists						
Skin Canta ct: Remove contarrinated cbthing. Wash wth soap and waler:						
Inhala tion: Not liket, Flush nasal passages Wth water. If irritation dewlaps, contact rredical authoriles.						
Ingestion: DO NOT INDUCE VOMITING. drink 3 to 4 glasses of v.ater. Get irrmediate medbal attention.						
SECTION 6. CONTROLAND PROTECTIVE MEASURES						
Respiratay Pro•ction (specify type): None required under normal conditions of storage and use.						
Proective Gloves: Rubber I Eye ProBction: Glass;is or gogglas						
Ventilation Requireme nts: Do not spray in confined area. Do not breath mSt.						
Other Protectly e 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.						
Waste Disposal IllethcxJs: Flush with water						
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 List ....m] 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.