

# 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: Flammability-0; Reactivity-0; Special	HHS Rating: Health-1: Flammability-0; Reactivity-0; Personal Protection B
Manufacture(s) Name: Goldstar Products Address: PO Box 291630 Davie, FL 33329	DOT Hazard Classification: Non-Hazardous Identity (trade name as used on label): BRUSH ON GRIT
Date Prepared: 06/01/93 InforTBtion Calls: 912-554-3700	Prepared By: ES MSDS r-1.umber: NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA

SECTION 1 • MATERIAL IDENTIFICATION AND INFORMATION					
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater, Carcinogens 0.1% or greater)	GAS Number	SARA III List	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
Ethylene Glycol EB	111-76-2	YES	TWA 50 PPM	NE	d
* Indicates hazardous ingredients which are toxic chemicals 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					

SECTION 2 • PHYSICAL/CHEMICAL CHARACTERISTICS	
Boiling Point: Not established	Specific Gravity (Water) 1: 1.01
Vapor Pressure: PSIG @ 46	Melting Point: Not Applicable
Vapor Density (Air = 1) ND	Evaporation Rate (But Alcohol = 1) slower
Solubility in Water: complete	pH of Concentrate: 4.5 - 5.5
Appearance and Odor: Velo Solution, Sweet Chemical Odor	

SECTION 3 • FIRE AND EXPLOSION HAZARD DATA		
FLAMMABILITY as per USA FLAME PROJECTION TEST Non-flammable	Auto Ignition Temperature N/A	Flammability Limits in Air by % in Volume: % LEL: N/A      % UEL: N/A
FLASH POINT AND METHOD USED (non-aerosols): Non-combustible	SPECIAL FIRE FIGHTING PROCEDURES: Keep containers cool      Use chemical foam	
EXTINGUISHER MEDIA: Water Spray, Foam		
Unusual Fire & Explosion Hazards: None known.		

SECTION 4 • REACTIVITY HAZARD DATA	
STABILITY (X) STABLE ( ) UNSTABLE	HAZARDOUS POLYMERIZATION ( ) WILL (X) WILL NOT OCCUR
Incompatibility (Mat. to avoid): Liquid and powder chlorine, Hydrogen Peroxide 50%, Alkali	Conditions to Avoid: None
Hazardous Decomposition Products: None required under normal conditions of storage and use.	

SECTION 5 - HEALTH HAZARD DATA	
PRIMARY ROUTES OF ENTRY: ( ) INHALATION ( ) INGESTION ( ) SKIN ABSORPTION ( ) EYE ( ) NOT HAZARDOUS	
ACUTE EFFECTS: May cause slight irritation of skin and eyes. Irritating if swallowed	
Inhalation: No	Skin Contact: No
Eye Contact: No	
Ingestion: Unlikely      Carcinogenicity: NTP: No      IARC Monographs: No      OSHA RsgualEd: No	
Signs & Symptoms of Exposure: Redness of skin and eyes. Burning of eyes and skin.	
CHRONIC EFFECTS: Unlikely	
Medical Conditions Generally Aggravated      Exposure: None Known	

EMERGENCY FIRST AID PROCEDURES	
Eye Contact: Flush with water for 15 minutes. Get medical attention if irritation persists.	Skin Contact: Remove contaminated clothing. Wash with soap and water.
Inhalation: Not likely. Flush nasal passages with water. If irritation develops, contact medical authorities.	
Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses 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: Rubber	Eye Protection: Goggles or glasses
Ventilation Requirements: Do not spray in confined area. Do not breathe mist.	
Other Protective Clothing & Equipment: As required to prevent skin contact	
Hygienic Work Practices: Wash hands after use!	

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 Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.	

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*

\*\* Chemical Listed as Carcinogen or Potential Carcinogen, (a) NTP (b) IARC monograph (c) OSHA (d) Not Listed (e) Airrail Data Only

# 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: Flammability-0; Reactivity-0; Special			HHIS Rating: Health-1: Flammability-0; Reactivity-0; Personal Protection			
Manufacturer's Name: Goldstar Products Address: PO Box 291630 Davie, FL 33329			DOT Hazard Classification: Non-Hazardous Identity (trade name as used on label): BRUSH ON GRIT			
Date Prepared: 06/01193		Prepared By: ES		MSDS Number:		
Information Calls: 912-554-3700 Emergency Calls: 800-255-3924			NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA			
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III List	OSHA PEL [ppm]	ACGIH TLV (oom)	Carcinogen Ref. Source **
Ethylene Glycol EB		111-76-2	YES	TWA 50 PPM	NIE	d
* Indicates hazardous ingredients which are toxic chemicals 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						
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: Not established		Specific Gravity (Water)=1: 1.01				
Vapor Pressure: PSIG@ 46		Melting Point: Not Applicable				
Vapor Density (Air= 1): ND		Evaporation Rate (Butyl Alcohol= 1): slower				
Solubility in Water: complete		pH of Concentrate: 4.5 - 5.5				
Appearance and Odor: Yellow Solution, Sweet Chemical Odor						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME PROJECTION TEST Non-flammable			Auto Ignition Temperature N/A		Flammability limits in Air by % in Volume: % LEL: N/A % UEL: N/A	
FLASH POINT AND METHOD USED (non-aerosols): Non-combustible			SPECIAL FIRE FIGHTING PROCEDURES: Keep containers cool Use chemical foam			
EXTINGUISHER MEDIA: Water Spray, Foam						
Unusual Fire & Explosion Hazards: None known.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY: /X/ STABLE / / UNSTABLE		HAZARDOUS POLYMERIZATION		( ) WILL (X) WILL NOT OCCUR		
Incompatibility (Mat. to avoid): Liquid and powder chlorine, Hydrogen Peroxide 50%, Alkali		Conditions to Avoid: None				
Hazardous Decomposition Products: None required under normal conditions of storage and use.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: ( ) INHALATION ( ) INGESTION ( ) SKIN ABSORPTION ( ) EYE ( ) NOT HAZARDOUS						
ACUTE EFFECTS: May cause slight irritation of skin and eyes. Harmful if swallowed						
Inhalation: No						
Eye Contact:			Skin Contact: No			
Ingestion: Unlikely		Carcinogenicity: I		NTP: No IARC Monographs: No OSHA Regulated: No		
Signs & Symptoms of Exposure: Redness of skin and eyes. Burn/A of eyes and skin.						
CHRONIC EFFECTS: 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 persists						
Skin Contact: Remove contaminated clothing. Wash with soap and water.						
Inhalation: Not likely. Flush nasal passages with water. If irritation develops, contact medical authorities.						
Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses 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: Rubber		Eye Protection: Glasses or goggles				
Ventilation Requirements: Do not spray in confined area. Do not breathe mist.						
Other Protective Clothing & Equipment: As required to prevent skin contact						
Hygienic work Practices: Wash hands after use.						
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 Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.						

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

\*\*Chemical listed as Carcinogen or Potential Carcinogen, (a) NTP (b) IARC Monograph (c) OSHA (d) Not Listed (e) Animal Data Only