

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-2; Reactivity-0; Special-0 Manufacturer's Name: BRODY CHEMICAL Address: 4825 S. 6200 W. SLC, UT. 84118			HMIS Rating: Health-1; Flammability-2; Reactivity-0; Personal Protection-B DOT Hazard Classification: ORM-D Identity (trade name as used on label): HARD SURFACE 40			
Date Prepared: 3-7-02 Prepared By: RW Information Calls: (801) 963-2436 EMERGENCY RESPONSE NUMBER: 1-800-424-9300			MSDS Number: BA125-S Revision: 13 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	Approx. % wt.	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
ETHYL ALCOHOL		64-17-5	10-20	1000	1000	
2-BUTOXYETHANOL		111-76-2	1-5	25	20	
LIQUIFIED PETROLEUM GAS MIXTURE		SEE BELOW	1-5	--	--	
PROPANE		74-98-6	N/E	N/E	1000	
N-BUTANE		106-97-8	N/E	N/E	600	
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: N/A			Specific Gravity (H₂O=1): <1			
Vapor Pressure: PSIG @ 70°F (Aerosols): 102@130F.			Vapor Pressure (Non-Aerosols)(mm Hg and Temperature):			
Vapor Density (Air = 1): N/D			Evaporation Rate (ETHER = 1): <1			
Solubility in Water: PREDOMINATELY			Water Reactive: NO			
Appearance and Odor: AEROSOL SPRAY WITH CHARACTERISTIC ODOR.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A		Auto Ignition Temperature N/A		Flammability Limits in Air by % in Volume: % LEL: 1.9 % UEL: 9.5		
FLASH POINT AND METHOD USED (non-aerosols): >100F.			EXTINGUISHER MEDIA: CARBON DIOXIDE, WATER SPRAY, FOAM, OR DRY CHEMICAL.			
SPECIAL FIRE FIGHTING PROCEDURES: CONTAINERS SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILD-UP.						
Unusual Fire & Explosion Hazards: FIRE FIGHTERS AND OTHERS WHO MAY BE EXPOSED TO THE PRODUCTS OF COMBUSTION SHOULD BE EQUIPPED WITH NIOSH-APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND FULL PROTECTION CLOTHING. AT ELEVATED TEMPERATURES (OVER 54C-130F) CONTAINERS EXPOSED TO DIRECT FLAME OR HEAT CONTACT SHOULD BE COOLED WITH WATER TO PREVENT WEAKENING OF CONTAINER STRUCTURE.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE			HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR			
Incompatibility (Mat. to avoid): OXIDIZING AGENTS.			Conditions to Avoid: KEEP AWAY FROM HEAT, SPARKS, AND FLAMES. DROPPING OF CONTAINERS MAY CAUSE BURSTING.			
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS						
ACUTE EFFECTS:						
Inhalation: IRRITATING TO EYES, NOSE, AND RESPIRATORY TRACT.						
Eye Contact: CAN CAUSE MILD IRRITATION.			Skin Contact: CAN CAUSE MILD IRRITATION.			
Ingestion: NOT HAZARDOUS IN NORMAL INDUSTRIAL USE. CAN BE FATAL IF SWALLOWED.						
CHRONIC EFFECTS:						
Medical Conditions Generally Aggravated by Exposure:						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET PROMPT MEDICAL ATTENTION.						
Skin Contact: WASH WITH SOAP AND PLENTY OF WATER						
Inhalation: REMOVE TO FRESH AIR. IF SYMPTOMS DEVELOP, SEEK IMMEDIATE MEDICAL ATTENTION. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION.						
Ingestion: GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING UNLESS DIRECTED BY MEDICAL PERSONNEL.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): NONE REQUIRED IF GOOD VENTILATION IS MAINTAINED.						
Protective Gloves: CHEMICAL RESISTANT GLOVES ARE RECOMMENDED. Eye Protection: SAFETY GLASSES ARE RECOMMENDED.						
Ventilation Requirements: GENERAL VENTILATION IS ADEQUATE UNDER NORMAL CONDITIONS.						
Other Protective Clothing & Equipment: WEAR IMPERVIOUS CLOTHING TO PREVENT SKIN CONTACT.						
Hygienic Work Practices: ENSURE STRICT SANITARY CONDITIONS ARE CONFORMED WHEN WORKING WITH CHEMICALS.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken If Material Is Spilled Or Released: REMOVE ALL SOURCES OF IGNITION AND VENTILATE AREA. SOAK UP WITH AN INERT ABSORBENT AND PLACE INTO A DESIGNATED DISPOSAL CONTAINER.						
Waste Disposal Methods: DO NOT PUNCTURE OR INCINERATE CONTAINERS. WHEN CONTENTS ARE DEPLETED CONTINUE TO DEPRESS BUTTON UNTILL ALL GAS IS EXPELLED. DISPOSE OF CONTAINER IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.						
Precautions To Be Taken In Handling & Storage: AVOID BREATHING VAPOR. KEEP AWAY FROM HEAT, SPARKS, AND FLAME. USE WITH ADEQUATE VENTILATION. DO NOT EXPOSE TO DIRECT SUNLIGHT OR STORE AT TEMPERATURES ABOVE 120 F.						
Other Precautions &/or Special Hazards: PLEASE READ AND FOLLOW DIRECTIONS ON LABEL; THEY ARE YOUR BEST GUIDE TO USING THIS PRODUCT IN THE MOST EFFECTIVE WAY, AND GIVE THE NECESSARY SAFETY PRECAUTIONS TO PROTECT YOUR HEALTH.						

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