

Material Safety Data Sheet

IBD

15010 S. Main Street

Gardena, CA 90248

Information: (310) 324-6680, (800) 221-2743

Emergency: Chemtel (800) 255-3924

Product:

TIP BLENDER

Date Prepared: 12/15/97

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SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or greater, Carcinogens 0.1% or greater)	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Gamma butyrolactone (CAS No. 96-48-0)		NE	NE	
SARA Title III Sect. 913: Not listed				
NE = none established				
Non-Hazardous Ingredients	100			

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 204 °C	Specific Gravity (H₂O = 1): 1.13
Vapor Pressure: 0.16 mm Hg @ 20 °C (mm Hg and Temperature)	Melting Point: Approx -40 °C
Vapor Density: 3.00 (Air = 1)	Evaporation Rate: 0.03 (Butyl acetate = 1)
Solubility in Water: Miscible	Water Reactive: No
Appearance and Odor: Clear liquid with mild odor	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used: 200 °F (Closed cup)	Auto-Ignition Temperature: 851 °F	Flammability Limits in Air % by Volume: 1.40% - 6.90%	LEL NA	UEL NA
Extinguisher Media: Water fog, alcohol foam, carbon dioxide or dry chemical				
Special Fire Fighting Procedures: Firefighter should be equipped with self-contained breathing apparatus and protective clothing.				
Unusual Fire and Explosion Hazards: None known				

NA = Not available

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid: Heat and flame
Incompatibility (Materials to Avoid): Oxidizing agents	
Hazardous Decomposition Products: None known	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions to Avoid:

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Ingestion <input type="checkbox"/> Not Hazardous	Carcinogen Listed In <input type="checkbox"/> NTP <input type="checkbox"/> IARC <input type="checkbox"/> OSHA <input type="checkbox"/> Not Listed
HEALTH HAZARDS Acute: Not known Chronic: Not known	
Signs and Symptoms of Exposure: If significant quantity ingested, may dull senses. Causes painful stinging or burning of eyes and lids, watering of eyes, conjunctivitis, opaqueness of cornea, possibly leading to loss of sight.	
Medical Conditions Generally Aggravated by Exposure: Not known	
EMERGENCY FIRST AID PROCEDURES -	
Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.	
Skin Contact: Wash skin with soap and water. If excessive exposure, call a physician.	
Inhalation: If symptoms occur, remove to fresh air. If breathing is difficult, call a physician.	
Ingestion: Dilute with water or milk and call a physician immediately.	

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type): In instances of excessive vapor, NIOSH-approved respirator for organic vapor			
Protective Gloves: Impervious gloves (polypropylene)		Eye Protection: Chemical goggles	
VENTILATION TO BE USED	<input checked="" type="checkbox"/> Local Exhaust <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Mechanical (general)	<input type="checkbox"/> Special
Other Protective Clothing and Equipment:			
Hygienic Work Practices: Wash thoroughly after handling.			

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

Steps to be Taken if Material is Spilled Or Released:	Absorb with earth, sand or similar inert material. Flush spill area with a water spray.
Waste Disposal Methods:	Dispose as solid waste according to federal, state, and local regulations.
Precautions to be Taken in Handling and Storage:	Do not get in eyes. Wash thoroughly after handling. At high concentrations, use with adequate ventilation.
Other Precautions and/or Special Hazards:	

NFPA Rating Health 3 Flammability 1 Reactivity 0 Special

HMIS Rating Health 3 Flammability 1 Reactivity 0 Personal Protection