

JNJ Industries, Inc.

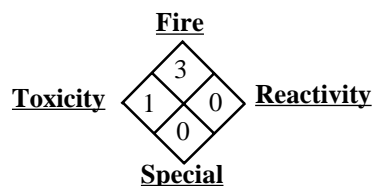
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HAZARD RATING

4 = Extreme
3 = High
2 = Moderate
1 = Non-Toxic, Slight
0 = Insignificant



FOR CHEMICAL EMERGENCY call INFOTRAC at 1-800-535-5053

24 Hrs. per day, 7 days per week

MATERIAL SAFETY DATA SHEET

MATERIAL GlobalTech® Isopropyl Alcohol, 99%	CODE	KEY IPA/99	HAZARD CLASS Flammable Liquid
FORMULA NA	DATE ISSUED 01/05	CHEMICAL NAME OR SYNONYMS 2-Propanol	

I - APPROXIMATE COMPOSITIONAL INFORMATION

Isopropyl Alcohol CAS#: 67-63-0	APPROX. WEIGHT % 99.7	TWA/TLV 400 ppm TWA
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II - PHYSICAL PROPERTY INFORMATION

APPEARANCE; ODOR; pH Water Clear Liquid pH=7	VISCOSITY NA	
MELTING/FREEZING POINT -88.5°C F.P.	BOILING POINT 179°F (82°C)	VAPOR DENSITY (Air)=1) 2.0
SOLUBILITY IN WATER Complete	% VOLATILE (By Weight) 100%	VAPOR PRESSURE (mm Hg) 33
SPECIFIC GRAVITY (Water = 1) 0.786	EVAPORATION RATE (Butyl Acetate = 1) Slower Than Ether	

III - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT 53°F (11.7°C), TCC	AUTOIGNITION TEMP Will Not Occur	LOWER EXPLOSION LIMIT % 2.5%	UPPER EXPLOSION LIMIT % NA
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EXTINGUISHING MEDIA

Foam "Alcohol" Foam CO₂ Dry Chemical Water Spray Other

SPECIAL FIRE FIGHTING PROCEDURES

Use water spray to cool containers and to prevent flammable vapor from escaping. Water may be ineffective on direct flame, but can be used to flush spills from ignition or disperse vapor or cool containers

UNUSUAL FIRE AND EXPLOSION HAZARDS

Liquid is invisible and flammable, vapors may travel in low areas to ignition source

IV - HEALTH HAZARD INFORMATION

RECOMMENDED WORKPLACE EXPOSURE LIMITS

500 ppm STEL OSHA & ACGIH

EFFECTS OF OVEREXPOSURE

Inhalation: May cause mild irritation to nose, throat or above TLV-headache
Eye Contact: Slight to moderate irritation, may cause corneal injury
Skin Contact: Prolonged contact results in skin drying
Ingestion: May cause vomiting, diarrhea, drowsiness, cramps

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Move subject to fresh air, give artificial respiration if breathing has stopped, call physician
Eye or Skin Contact: Flush with large amount of water. Contact Physician. Remove contaminated clothing and wash before reuse
Ingestion: If patient is conscious give two glasses of water/milk and induce vomiting. Get medical attention

V - REACTIVITY INFORMATION

STABILITY <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	CONDITIONS TO AVOID Keep away from ignition sources: sparks, heat and flame
HAZARDOUS DECOMPOSITION PRODUCTS Will Not Occur	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	CONDITIONS TO AVOID
INCOMPATIBILITY (Materials To Avoid) <input type="checkbox"/> Water <input checked="" type="checkbox"/> Other Concentrated Nitric & Sulfuric acids, Oxidizers, Aldehydes	

VI - SPILL OR LEAK PROCEDURE INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Eliminate ignition sources. Ground handling equipment to prevent sparking. Wear respirator and protective clothing. Dike and contain spill. Suppress vapors with water fog. Soak up residue with absorbent clay or sand. Place in non-leaking containers for disposal
WASTE DISPOSAL METHODS Incinerate waste in accordance with Federal, State, and Local regulations

VII - SPECIAL PROTECTION INFORMATION

VENTILATION TYPE Use local exhaust ventilation to prevent build-up of explosive vapor concentrations and keep below TLV - also see section IV	
RESPIRATORY PROTECTION MSHA/NIOSH approved full facepiece respirator with organic vapor cartridge/canister	
PROTECTIVE GLOVES Natural Rubber	EYE PROTECTION Safety Glasses
OTHER PROTECTIVE EQUIPMENT Eye Bath, Safety Shower	

VIII - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE Ambient	INDOOR Ambient	HEATED NA	REFRIGERATED NA	OUTDOOR Ambient
Drum containers should be grounded. Keep containers closed when not in use. Avoid eye and skin contact. Keep away from children. Keep away from heat and flame. Use with adequate ventilation. Wash with soap and water after use				

IX - TOXICITY INFORMATION

SARA Title III: Acute Health: Yes	Sudden release of pressure: No	TSCA Regulatory: This material or its components are listed in the TSCA inventory.
Chronic Health: No	Reportable quantity (RQ): NE	
Fire: Yes	313 Toxic Chemical: Yes	

X - MISCELLANEOUS INFORMATION

Isopropanol - 3, UN1219, PG II			
NA = Not Available NE = Non Established	KEY IPA/99	DATE OF ISSUE 01/05	SUPERSEDES 4/1/01
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