

JNJ Industries, Inc.

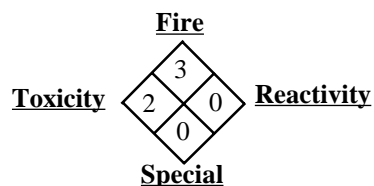
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HAZARD RATING

4 = Extreme
3 = High
2 = Moderate
1 = 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® GLOBAL CLEAN®	CODE	KEY GPF	HAZARD CLASS Flammable Liquid
FORMULA NA	DATE ISSUED 01/05	CHEMICAL NAME OR SYNONYMS Alcohols, Propionic Esters	

I - APPROXIMATE COMPOSITIONAL INFORMATION

Isopropanol Propionic Esters	APPROX. WEIGHT % 40 - 60 40 - 60	TWA/TLV 400 ppm, TWA NE
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II - PHYSICAL PROPERTY INFORMATION

APPEARANCE; ODOR; pH Water-Clear Liquid, Mild Odor	pH = 7	VISCOSITY NA
MELTING/FREEZING POINT F.P. -80°C	BOILING POINT 194°F-203°F (90°-95°C)	VAPOR DENSITY (Air) = 1) 3.7
SOLUBILITY IN WATER Partial	% VOLATILE (By Weight) 100%	VAPOR PRESSURE (mm Hg) 20
SPECIFIC GRAVITY (Water = 1) 0.83	EVAPORATION RATE (Butyl Acetate = 1) 1.7	

III - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT 58°F (15°C), TCC	AUTOIGNITION TEMP Will Not Occur	LOWER EXPLOSION LIMIT % NA	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 to cool containers and to disperse vapors. Wear self-contained breathing apparatus and full protective gear

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapors may settle in low areas or travel to sources of ignition

IV - HEALTH HAZARD INFORMATION

RECOMMENDED WORKPLACE EXPOSURE LIMITS

500 ppm

EFFECTS OF OVEREXPOSURE

Inhalation: Low concentrations may irritate nose and throat
Eye Contact: Irritating to eyes. Can cause reddening
Skin Contact: Prolonged or repeated contact causes redness or drying
Ingestion: Slightly toxic. May cause drowsiness, stomach cramps or nausea

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Move subject to fresh air. Give artificial respiration if not breathing
Eye or Skin Contact: Flush with large amount of water. Remove contaminated clothing, wash before use
Ingestion: If conscious give two glasses of water or milk and induce vomiting. Obtain medical attention promptly

V - REACTIVITY INFORMATION

STABILITY

Stable Unstable

CONDITIONS TO AVOID

Avoid heat, sparks, and flame

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of Carbon

HAZARDOUS POLYMERIZATION

May Occur Will Not Occur

CONDITIONS TO AVOID

Keep from heat and open flame

INCOMPATIBILITY (Materials To Avoid)

Water Other

Keep from strong oxidizers

VI - SPILL OR LEAK PROCEDURE INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Wear suitable protective equipment. Ground handling equipment to prevent sparking. Small spills may be collected with absorbent materials. For large spills flush area with water spray. Avoid discharge into sewers and waterways.

WASTE DISPOSAL METHODS

Incinerate where permitted under Federal, State, and Local regulations

VII - SPECIAL PROTECTION INFORMATION

VENTILATION TYPE

Use local exhaust ventilation to maintain vapor below TWA's. See Section IV for limits

RESPIRATORY PROTECTION

None required during normal use with adequate ventilation. Use self contained breathing apparatus in high concentrations

PROTECTIVE GLOVES

Natural Rubber

EYE PROTECTION

Safety Glasses (ANSI Z-87.1 or equivalent)

OTHER PROTECTIVE EQUIPMENT

Eye Bath, Safety Shower

VIII - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE

Ambient

INDOOR

Ambient

HEATED

NA

REFRIGERATED

NA

OUTDOOR

Ambient

Drums should be grounded. Avoid eye, skin and clothing contact. Keep away from children. Keep away from heat and flame. Use with adequate ventilation. Avoid inhalation of vapor or mist. Wash with soap and water after use

IX - TOXICITY INFORMATION

No Data: Components in this product are Non-Hazardous and do not require reporting under the Comprehensive Environmental and Liability Act (CERCLA) of 1980

X - MISCELLANEOUS INFORMATION

Ventilation Protection: Refer to current edition of "Industrial Ventilation; A Manual of Recommended Practice", ACGIH, for the design, installation, use, and maintenance of ventilation system

Flammable: Keep away from sources of ignition

NA = Not Available
NE = Non Established

KEY
GPF

DATE OF ISSUE
01/05

SUPERSEDES
4/1/01

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