

JNJ Industries, Inc.

290 Beaver Street

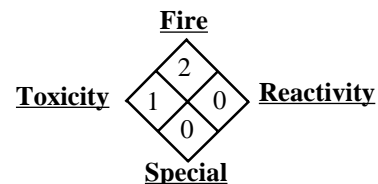
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HAZARD RATING

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® SEMI AQUEOUS PASTE & FLUX REMOVER	CODE	KEY AFR	HAZARD CLASS Combustible Liquid
FORMULA NA	DATE ISSUED 01/05	CHEMICAL NAME OR SYNONYMS Aliphatic Glycol Ethers, DI Water	

I - APPROXIMATE COMPOSITIONAL INFORMATION

DI Water Aliphatic Glycol Ethers	APPROX. WEIGHT % <30.0 >63.0	TWA/TLV NE 100ppm OSHA 29 CFR 1910
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II - PHYSICAL PROPERTY INFORMATION

APPEARANCE/ODOR Clear Liquid/Mild Odor	VISCOSITY Water-Like	
MELTING/FREEZING POINT NE	BOILING POINT 208°F (98°C) @ 30mm Hg	VAPOR DENSITY (Air) = 1) 3.0-4.0
SOLUBILITY IN WATER Complete @ 20°C	% VOLATILE (By Weight) 100%	VAPOR PRESSURE (mm Hg) 16-18
SPECIFIC GRAVITY (Water = 1) 0.97	EVAPORATION RATE (Butyl Acetate = 1) NE	

III - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT 132°F (56°C), TCC	AUTO IGNITION TEMP Will Not Occur	LOWER EXPLOSION LIMIT % NA	UPPER EXPLOSION LIMIT % NA
EXTINGUISHING MEDIA ___ Foam ___ "Alcohol" Foam <u>X</u> CO ₂ <u>X</u> Dry Chemical <u>X</u> Water Spray ___ Other			
SPECIAL FIRE FIGHTING PROCEDURES Wear self-contained breathing apparatus (SHA/NIOSH approved, pressure demand or equivalent) and full protective gear			
UNUSUAL FIRE AND EXPLOSION HAZARDS Under extreme conditions may produce floating fire hazard			

IV - HEALTH HAZARD INFORMATION

RECOMMENDED WORK PLACE EXPOSURE LIMITS 1000ppm
EFFECTS OF OVEREXPOSURE <u>Inhalation:</u> Can irritate nose and throat. Prolonged or repeated exposure may cause headaches and palpitations <u>Eye Contact:</u> Slightly irritating to eyes <u>Skin Contact:</u> Slightly irritating upon prolonged or repeated contact <u>Ingestion:</u> Possibly harmful if swallowed. May cause nausea, vomiting, dizziness, diarrhea
EMERGENCY AND FIRST AID PROCEDURES <u>Inhalation:</u> Move subject to fresh air. Give artificial respiration if not breathing <u>Eye or Skin Contact:</u> Flush with large amount of water for 15 mins, call physician. Remove contaminated clothing, wash before use <u>Ingestion:</u> If conscious, drink 1 pint luke warm water. DO NOT induce vomiting. Obtain medical attention Immediately.

V - REACTIVITY INFORMATION

STABILITY <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	CONDITIONS TO AVOID Avoid heat, sparks, and flame
HAZARDOUS DECOMPOSITION PRODUCTS Thermal Decomposition Generates Oxides of Carbon	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	CONDITIONS TO AVOID NA
INCOMPATIBILITY (Materials To Avoid) <input type="checkbox"/> Water <input checked="" type="checkbox"/> Other Strong: Oxidizers	

VI - SPILL OR LEAK PROCEDURE INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Wear suitable protective equipment. Small spills may be collected with absorbent materials. For large spills flush area with water spray. Avoid discharge into sewers and waterways. Biodegradable in low aqueous concentrations. Follow personal protective equipment as in section VII
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. Also, see Section IV	
RESPIRATORY PROTECTION None required during normal use with adequate ventilation	
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
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

NA = Not Available NE = Non Established	KEY AFR	DATE OF ISSUE 01/05	SUPERSEDES 04/01/01
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