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## MATERIAL SAFETY DATA SHEET

Date of Last Revision: 1/09

**GlobalTech®**

### Solder Paste & Flux Remover

**Product Code: PFR**

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

24 Hrs. per day, 7 days per week

#### Section 1 ... Composition/Information on Ingredients

Ingredients	Weight %	TWA/TLV
Glycols	<5	100ppm OSHA 29CFR.1910
Aliphatic Glycol Ethers	>90	NE
N-Amino Ethanol	<5	8 TWA

#### Section 2 ... First Aid Measures

<b>Eye Contact:</b>	Flush with large amount of water for 15 minutes. Contact physician.
<b>Skin Contact:</b>	Flush with large amount of water for 15 minutes. Contact physician. Remove contaminated clothing, wash before reuse.
<b>Inhalation:</b>	Move subject to fresh air. Give artificial respiration if not breathing, call physician.
<b>Ingestion:</b>	If conscious, drink 1 pint of luke warm water. Do NOT induce vomiting. Obtain medical attention promptly.

#### Section 3 ... Health Hazards, Routes of Entry and Effects of Overexposure

<b>Work Place Exposure Limits:</b>	300 ppm
<b>Eye Contact:</b>	Irritation may cause eye reddening.
<b>Skin Contact:</b>	Prolonged contact results in skin drying.
<b>Inhalation:</b>	May cause irritation to nose and throat.
<b>Ingestion:</b>	Irritation to throat, mouth, esophagus. May cause nausea, vomiting, dizziness, diarrhea.

#### Section 4 ... Special Protection Information

<b>Ventilation:</b>	Use local exhaust ventilation to maintain vapor below TWA's.
<b>Respiratory Protection:</b>	Self-contained breathing apparatus in high vapor concentrations.
<b>Gloves &amp; Glasses:</b>	Chemically resistant gloves. Safety Glasses.
<b>Other Protective Equipment:</b>	Eye bath, safety shower.

#### Section 5 ... Reactivity Data

<b>Stability:</b>	Stable	<b>Conditions to Avoid:</b>	Temperatures above 250° C. Avoid heat, sparks and flame.
<b>Hazardous Polymerization:</b>	Will not occur	<b>Conditions to Avoid:</b>	NA
<b>Incompatibility (material to avoid):</b>	Strong: Oxidizers, bases, acids. Ketones, aldehydes, anhydrides.		
<b>Hazardous Decomposition:</b>	Oxides of Carbon and Nitrogen.		

#### Section 6 ... Spill or Leak Procedures and Waste Disposal

<b>Precautions in Case of Release:</b>	Wear suitable protective equipment. Collect small spills with absorbents, large spills flush with water, avoid discharge into sewers and waterways.
<b>Waste Disposal Method:</b>	Incinerate where permitted under Federal, State and Local regulations.

#### Section 7 ... Handling and Storage Precautions

Avoid eye and skin contact. Keep away from children. Keep away from heat and flame. Use with adequate ventilation. Avoid inhalation of vapor or mist. Avoid contact with copper/copper alloys (such as brass). Use only Polyethylene valves and containers.

**Storage Temperature:** Ambient      **Indoor:** Ambient      **Heated:** NA      **Outdoor:** Ambient  
**Refrigerated:** NA

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**Section 8 ... Hazard Data****Hazard Class** (Hazard Rating Scale: 0=minimal, 1=slight, 2=moderate, 3=high, 4=extreme):**Health:** 2**Flammability:** 2**Reactivity:** 0**Personal Protection:****Hazard Class:** Combustible liquid**Explosive Limits** (volume %):**Lower:** NA**Upper:** NA**Flash Point:** 117° F(47° C) TCC**Auto Ignition Temp:** Will not occur**Extinguishing Media:** Foam, CO<sub>2</sub>, dry chemical**Fire and Explosion Hazards:** During fire, oxides of Nitrogen may evolve.**Fire Fighting Procedures:** Self-contained breathing apparatus and full protective gear.**Section 9 ... Physical Data**

<b>Boiling Point:</b>	302°F (150°C)	<b>Vapor Density</b> (air=1):	3.8
<b>Evaporation Rate</b> (butyl acetate=1):	0.2	<b>% Volatile</b> (by weight):	100
<b>Vapor Pressure</b> (in mmHg):	1.5 @ 20°C	<b>% Water Soluble:</b>	100
<b>Specific Gravity</b> (water=1):	0.89	<b>Melting/Freezing Point:</b>	-50°C F.P.
<b>Appearance:</b>	Clear colorless liquid	<b>Viscosity:</b>	NA
<b>Odor:</b>	Mild odor		

**Section 10 ... Toxicity Information**

This product does not require reporting under the Comprehensive Environmental and Liability Act (CERCLA) of 1980. It is TSCA listed. It is not listed on Hazardous Air Pollutant (HAPS) list of the 1990 Clean Air Act Amendments and is not subject to Sara Title III regulations.

**Section 11 ... 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.

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