



hospeco®
BRANDS GROUP

Safety Data Sheet

Issue Date: 01-Jan-2012

Revision Date: 29-Sept-2026

Version 5

1. IDENTIFICATION

Product identifier

Product Name GlobalTech Solder Paste & Flux Remover

Other means of identification

SDS # JNJ-002

Product Code PFR
UN/ID No UN1993

Recommended use of the chemical and restrictions on use

Recommended Use Solder paste and flux remover.

Details of the supplier of the safety data sheet

Supplier Address
High-Tech Conversions
26301 Curtiss Wright Pkwy
Cleveland, OH 44143

Emergency telephone number

Company Phone Number Phone: 860-265-2633
Fax: 860-265-2774
Emergency Telephone **Poison Control Center (Medical):**
800-222-1222

2. HAZARDS IDENTIFICATION

Appearance Clear, colorless liquid

Physical state Liquid

Odor Mild

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Flammable liquids	Category 3

Signal Word

Warning

Hazard statements

Causes skin irritation
Causes serious eye irritation
Flammable liquid and vapor



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Wear protective gloves/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower

Wash contaminated clothing before reuse

If skin irritation occurs: Get medical advice/attention

IN CASE OF FIRE: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Aliphatic Glycol Ethers	Proprietary	>90
Aliphatic ether alcohol	Proprietary	<5
N-Amino Ethanol	Proprietary	<5

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**Description of first aid measures**

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Call a physician.
Ingestion	If large amount is swallowed, give lukewarm water (pint, 1/2 liter). Do NOT induce vomiting. Get prompt medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms	Contact will cause irritation and redness to exposed areas. May cause nose and throat irritation. Dizziness. May cause nausea, vomiting, stomach ache, and diarrhea.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Foam. Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Combustion products may be toxic.

Hazardous combustion products Nitrogen oxides (NO_x). Carbon oxides.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions Use personal protective equipment as required.

Environmental precautions

Environmental precautions Dike spill and prevent spill from entering sewers and waterways. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Contain and collect with an inert absorbent and place into an appropriate container for disposal.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling Wash thoroughly after handling. Use personal protection recommended in Section 8. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use spark-proof tools and explosion-proof equipment. Ground/bond container and receiving equipment. Take precautionary measures against static discharges. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Avoid contact with copper and copper alloys such as brass. Use only polyethylene valves and containers.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

Incompatible Materials Strong oxidizing agents. Strong bases. Strong acids. Ketones. Aldehydes. Anhydrides.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Conditions	Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
	Aliphatic ether alcohol	STEL: 100 ppm TWA: 50 ppm	(vacated) TWA: 100 ppm (vacated) TWA: 360 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 540 mg/m ³	TWA: 100 ppm TWA: 360 mg/m ³ STEL: 150 ppm STEL: 540 mg/m ³
	N-Amino Ethanol	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m ³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m ³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m ³	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³

Appropriate engineering controls

Engineering Controls Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses.

Skin and Body Protection Chemical resistant protective gloves.

Respiratory Protection Use self-contained breathing apparatus in high vapor concentrations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid		
Appearance	Clear, colorless liquid	Odor	Mild
Color	Colorless	Odor Threshold	Not determined
Property	Values	Remarks • Method	
pH	Not determined		
Melting point / freezing point	-50 °C / -58 °F		
Boiling point / boiling range	150 °C / 302 °F		
Flash point	47 °C / 117 °F	Tag Closed Cup	
Evaporation Rate	0.2	N-butyl acetate	
Flammability (Solid, Gas)	Liquid-Not applicable		
Flammability Limit in Air			
Upper flammability or explosive limits	Not available		
Lower flammability or explosive limits	Not available		
Vapor Pressure	1.5 mm Hg		
Vapor Density	3.8	(Air=1)	
Relative Density	0.89	@ 60°F (ASTM D 1298)	
Water Solubility	Completely soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Autoignition temperature	Does not occur		
Decomposition temperature	Not determined		
Kinematic viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Avoid temperatures above 250°C. Heat, flames and sparks.

Incompatible materials

Strong oxidizing agents. Strong bases. Strong acids. Ketones. Aldehydes. Anhydrides.

Hazardous decomposition products

Nitrogen oxides (NOx). Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Avoid contact with eyes.
Skin Contact	May be harmful in contact with skin.
Inhalation	Do not inhale.
Ingestion	May be harmful if swallowed.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Aliphatic Glycol Ethers	= 2490 mg/kg (Rat)	= 3550 mg/kg (Rabbit)	-
Aliphatic ether alcohol	= 5000 mg/kg (Rat)	= 13 g/kg (Rabbit)	> 7559 ppm (Rat) 6 h
N-Amino Ethanol	= 1720 mg/kg (Rat)	= 1000 mg/kg (Rabbit)	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Carcinogenicity	Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50	2,515.90 mg/kg
Dermal LD50	3,475.50 mg/kg
ATEmix (inhalation-dust/mist)	65.20 mg/L
ATEmix (inhalation-vapor)	833.10 mg/L

12. ECOLOGICAL INFORMATIONEcotoxicity

Harmful to aquatic life with long lasting effects.

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Aliphatic Glycol Ethers		100: 96 h Oncorhynchus mykiss mg/L LC50 static	
Aliphatic ether alcohol		20.8: 96 h Pimephales promelas g/L LC50 static	23300: 48 h Daphnia magna mg/L EC50
N-Amino Ethanol	15: 72 h Desmodesmus subspicatus mg/L EC50	114 - 196: 96 h Oncorhynchus mykiss mg/L LC50 static 300 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 227: 96 h Pimephales promelas mg/L LC50 flow-through 3684: 96 h Brachydanio rerio mg/L LC50 static 200: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	65: 48 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

Chemical name	Partition coefficient
Aliphatic ether alcohol	-0.437
N-Amino Ethanol	-1.91

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONSWaste Treatment Methods**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note The shipping description is specific to the container and mode of shipment. Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Packages with inner packagings not over 5 liters/5kg may be reclassified as a Limited Quantity
UN/ID No UN1993
Proper Shipping Name Flammable liquid, n.o.s. (Propylene glycol n-propyl ether)
Hazard class 3
Packing Group III

IATA Please refer to the IATA DGR for additional information regarding air shipments.
UN number UN1993
Proper Shipping Name Flammable liquid, n.o.s. (Propylene glycol n-propyl ether)
Transport hazard class(es) 3
Packing Group III

IMDG Packages with inner packagings not over 5 liters/5kg may be reclassified as a Limited Quantity
UN number UN1993
Proper Shipping Name Flammable liquid, n.o.s. (Propylene glycol n-propyl ether)
Transport hazard class(es) 3
Packing Group III
Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Aliphatic Glycol Ethers	X	ACTIVE	X	X	X	X	X	X	X
Aliphatic ether alcohol	X	ACTIVE	X	X	X	X	X	X	X
N-Amino Ethanol	X	ACTIVE	X	X	X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Aliphatic ether alcohol	X	X	X
N-Amino Ethanol	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	2	2	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical hazards	Personal Protection
	2	2	0	B

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Revision Date: 29-Sept-2026
Revision Note: Updated Supplier Address

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet