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.

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 (NOx). 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 Guidelines

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.

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 INFORMATION

Ecotoxicity

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 CONSIDERATIONS

Waste 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

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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

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	2	2	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical hazards**	**Personal Protection**
	2	2	0	B

Issue Date: 01-Jan-2012
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