



Safety Data Sheet

Issue Date: 15-Jan-2015

Revision Date: 24-Sept-2015

Version 2

1. IDENTIFICATION

Product Identifier

Product Name GlobalTech® Solder Paste & Flux Remover Saturated Wipes/Refills

Other means of identification

SDS # JNJ-002-WIPES

Product Code PFR-Wipes
UN/ID No UN3175

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

JNJ Industries
290 Beaver Street
Franklin, MA 02038

Emergency Telephone Number

Company Phone Number Phone: 800-554-9994 / 508-553-0529

Fax: 508-553-9973

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Liquid saturated on wipe

Physical State Solid

Odor Mild

Classification

The classification below is for the liquid which is absorbed onto the wipe.

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

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed

May be harmful in contact with skin

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
 Wear protective gloves/protective clothing/eye protection/face protection
 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

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): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 If skin irritation occurs: Get medical advice/attention
 Wash contaminated clothing before reuse
 IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

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

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

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 (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 Dike spill and prevent spill from entering sewers and waterways.

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 Place in 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: 150 ppm TWA: 100 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	Solid	Odor	Mild
Appearance	Liquid saturated on wipe	Odor Threshold	Not determined
Color	Clear		

<u>Property</u>	<u>The information below is for the liquid absorbed onto the wipe</u>	<u>Remarks • Method</u>
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 (butyl acetate = 1)
Evaporation Rate	0.2	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not available	
Lower Flammability Limit	Not available	
Vapor Pressure	1.5 mm Hg	@20°C
Vapor Density	3.8	(Air=1)
Specific Gravity	0.89	(1=Water)
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition 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 (NO_x). Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Causes serious eye irritation.
Skin Contact	Causes skin irritation. May be harmful in contact with skin.
Inhalation	Avoid breathing vapors or mists.
Ingestion	May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Aliphatic Glycol Ethers	= 2504 mg/kg (Rat)	= 3550 mg/kg (Rabbit)	-
Aliphatic ether alcohol	= 5200 mg/kg (Rat)	= 13000 mg/kg (Rabbit)	= 54.6 mg/L (Rat) 4 h > 24 mg/L (Rat) 1 h
N-Amino Ethanol	= 1720 mg/kg (Rat)	= 1 mL/kg (Rabbit) = 1025 mg/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

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

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

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Aliphatic ether alcohol		20.8: 96 h Pimephales promelas g/L LC50 static 4600 - 10000: 96 h Leuciscus idus mg/L LC50 static		23300: 48 h Daphnia magna mg/L EC50
N-Amino Ethanol	15: 72 h Desmodesmus subspicatus mg/L EC50	227: 96 h Pimephales promelas mg/L LC50 flow-through 3684: 96 h Brachydanio rerio mg/L LC50 static 300 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 114 - 196: 96 h Oncorhynchus mykiss mg/L LC50 static 200: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	EC50 = 110 mg/L 17 h EC50 = 12200 mg/L 2 h EC50 = 13.7 mg/L 30 min	65: 48 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

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

Note

The shipping description is specific to the container and mode of shipment. Please refer to the shipping papers for most up to date shipping information,
 NOTE: packages with inner packagings not over 1 liter/1 kg may be reclassified as a Limited Quantity/Consumer Commodity ORM-D.
 NOTE: ORM-D Designation (Shipments by highway, rail and vessel only valid until December 31, 2020).
 NOTE: Consumer Commodity (ORM-D) classification is for domestic surface/ground shipments only. Air shipments remain regulated.

DOT

UN/ID No UN3175
 Proper Shipping Name Solids containing flammable liquid, n.o.s. (Propylene glycol n-propyl ether)
 Hazard Class 4.1
 Packing Group II

IATA

UN/ID No UN3175
 Proper Shipping Name Solids containing flammable liquid, n.o.s. (Propylene glycol n-propyl ether)
 Hazard Class 4.1
 Packing Group II

IMDG

UN/ID No UN3175
 Proper Shipping Name Solids containing flammable liquid, n.o.s. (Propylene glycol n-propyl ether)
 Hazard Class 4.1
 Packing Group II
 Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Aliphatic Glycol Ethers	Present	X		Present		Present	X	Present	X	X
Aliphatic ether alcohol	Present	X		Present		Present	X	Present	X	X
N-Amino Ethanol	Present	X		Present		Present	X	Present	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**SARA 313**

Not determined

US State Regulations**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 Note: changed to packing group II

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