



**THE INDIUM CORPORATION OF AMERICA®\EUROPE®\ASIA-
PACIFIC®
INDIUM CORPORATION (SUZHOU)®**

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: TACFLUX 007-UV

MSDS Number: MSDS-5415

Revised Date: 28 OCTOBER 2010

Product Use: Industrial Use - No clean flux for soldering applications

MANUFACTURER:

In America:

The Indium Corporation of America
1676 Lincoln Ave., Utica NY 13502
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In Asia:

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Singapore 628908
Information: +65 6268-8678

2. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY:

Eye

Inhalation

Skin

Ingestion

Carcinogen listed in

NTP

IARC

OSHA

Not Listed

GHS:



Hazard statement(s)

H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection
P362	Take off contaminated clothing and wash before reuse
P302 +P352	IF ON SKIN: Wash with plenty of soap and water

POTENTIAL HEALTH EFFECTS:

Eye Contact:	Irritating to the eyes. Do not allow material to come in contact with the eyes.
Ingestion:	Harmful if swallowed. May cause irritation and damage to the mouth, esophagus and gastrointestinal tract.
Inhalation:	Heated vapor concentrations may be harmful if inhaled. Irritating to respiratory tract. Rosin fume may cause occupational asthma.
Skin Contact:	May cause skin irritation. Allergic reactions are possible, especially with repeated or prolonged exposure.
Chronic:	Not established. Contains 1 % of an ingredient that is suspected of causing cancer.
NOTE:	The Indium Corporation does not recommend, manufacture, market or endorse any of it's product's for human consumption.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS Registry #
ROSIN	65997-05-9 (US)
POLYGLYCOL ETHER	9038-95-3
ALCOHOLS	68603-15-6
PROPRIETARY	-

PRODUCT DOES NOT CONTAIN ANY REPORTED EU SUBSTANCES OF VERY HIGH CONCERN (SVHC)

Symbol: X_i Risk Phrases: Product : R36/37/38, R42/43
 N.E. = Not established EU = European Union Occupational Exposure Limits

4. FIRST AID MEASURES

- Eye Contact:** Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
- Ingestion:** If patient is conscious, ONLY induce vomiting as directed by trained personnel. NEVER give anything by mouth to an unconscious person. Seek medical attention immediately.
- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration or oxygen by trained personnel. Seek immediate medical attention.
- Skin Contact:** Remove contaminated clothing. Wash affected area with soap and water. Wash clothing before reuse. If irritation persists, obtain medical attention.

5. FIRE FIGHTING MEASURES

- Flash Point:** >200F
- Auto-ignition Temperature:** Not established.
- Flammable Limits:** Limits not established, not flammable.
- Extinguishing Media:** Use extinguishers appropriate for the surrounding fire conditions.
- Special Fire Fighting Procedures:** Firefighters must wear NIOSH approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

- Spill or Leak Procedures:** Wear a respirator and appropriate personal protection (See Exposure Controls/Personal Protective Section). Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Dispose of following all Federal, State and Local regulations. In the EU refer to the Special Waste Regulations.

7. HANDLING AND STORAGE

- Handling Precautions:** Keep containers tightly closed when not in use. Use care to avoid spills. Avoid breathing vapors from heated material. Avoid contact with eyes, skin and clothing. Use with adequate ventilation.
- Storage Precautions:** Store product in tightly capped original containers in a cool, dry area. Keep away from heat and flame. Store away from incompatible materials. Empty containers may be hazardous as they contain product residue.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	% wt	CAS Registry #	PEL mg/m ³	TLV-TWA mg/m ³	TLV-STEL mg/m ³
ROSIN	56-64	65997-05-9 (US)	N.E.	N.E.	N.E.
		(EU)	0.05	N.E.	0.15 (sensitiser)
<u>POLYGLYCOL ETHER</u>	31-35	9038-95-3	N.E.	N.E.	N.E.

ALCOHOLS	4-15	68603-15-6	N.E.	N.E.	N.E.
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PROPRIETARY	1-10	-	N.E.	N.E.	N.E.
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Engineering Controls: Good general ventilation should be sufficient to control airborne levels. Use ventilation to keep exposures as low as possible.

Personal protection:

Eyes: Chemical safety glasses/goggles. Face shield for splash hazards.

Respirator: An approved or compliant air-purifying respirator with a fume/organic chemical cartridge is recommended under certain circumstances where airborne concentrations are expected to be elevated.

Skin: Compatible chemical resistant gloves. Protective outer garment, apron and sleeves as appropriate.

Other: Eyewash fountain in work area. Avoid the use of contact lenses in high fume areas.

Work/Hygienic Practices: Maintain good housekeeping. Clean up spills immediately.

Avoid eating, smoking or drinking in the work area. Wash hands thoroughly with soap and water immediately upon leaving the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Flux – yellow creamy

Boiling Point: Not applicable.

Odor: Mild characteristic odor.

Melting Point: Not applicable

Specific Gravity: 1 g/cc

pH: 4 -8

Vapor Pressure: Not applicable.

Solubility in Water: Insoluble

Vapor Density: (air=1) Not applicable.

10. STABILITY AND REACTIVITY

General: Stable.

Conditions to Avoid: Freezing temperatures. High temperatures.

Incompatible Materials: Not established

Hazardous Decomposition / Combustion: Harmful organic fumes and toxic oxide fumes may form at elevated temperatures.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity: NTP: No

OSHA: No

IARC: No

LD50: Not established.

LC50: Not established.

Other: Contains 1% of an ingredient that is suspected of causing cancer.

12. ECOLOGICAL INFORMATION

This section is subject to future development.

Product not tested. WGK Germany (Water hazard class) Class 2

13. DISPOSAL CONSIDERATION

Waste Disposal Method: Dispose of in accordance with all Federal, State and Local environmental regulations. In Europe follow the Special Waste Regulations.

14. TRANSPORT INFORMATION

Transport in accordance with applicable regulations and requirements. Not regulated under US DOT (United States Department of Transportation). Non hazardous under shipping modes.

15. REGULATORY INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated hereunder (29 CFR 1910.1200 ET. SEQ.).

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulation (CPR).



Canadian WHMIS: Class D 2 Materials causing other toxic effects (skin and eye irritant/skin sensitizer)

This product has been classified in accordance with the guidelines set by the Dept of Industrial Health of the Republic of Singapore.

SARA 313 Listing - 40 CFR 372.65 - None

RoHS = Restriction of Hazardous Substances. Product is complaint with the directive.

All ingredients are listed on the EPA TSCA Inventory.

EC Classification, Packaging and Labeling Requirements:

Symbol and Hazard Classification of Product

X_i

Risk Phrases:

R22 Harmful if swallowed
 R36/37/38 Irritating to eyes, respiratory system and skin
 R41 Risk of serious damage to eyes

