



**INDIUM CORPORATION OF AMERICA®\EUROPE®\ASIA-PACIFIC®  
INDIUM CORPORATION (SUZHOU)®  
SAFETY DATA SHEET**

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier:** TACFLUX 032HF

**SDS Number:** SDS-6671

**Revised Date:** 8 MAY 2017

**Product Use:** Industrial Use - Flux

**MANUFACTURER:**

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## 2. HAZARDS IDENTIFICATION

### PRIMARY ROUTES OF ENTRY:

Eye    Inhalation    Skin    Ingestion    NTP

### Carcinogen listed in

IARC    OSHA    Not Listed

GHS:



Signal Word: Warning

#### Hazard statement(s)

H315 Causes skin irritation  
 H319 Causes serious eye irritation

#### Precautionary statement(s)

P233 Keep container tightly closed  
 P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
 P270 Do not eat, drink or smoke when using this product  
 P273 Avoid release to the environment  
 P280 Wear protective gloves/protective clothing/eye protection/face protection  
 P362 + P364 Take off contaminated clothing and wash before reuse  
 P301 + P314 IF SWALLOWED: Get Medical advice/attention if you feel unwell  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water  
 P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P305 + P351 IF IN EYES: Rinse continuously with water for several minutes (15 mins)

Classification:

Skin irritation- Category 2  
 Eye irritation- Category 2A

### POTENTIAL HEALTH EFFECTS:

**Eye Contact:** Causes irritation to the eyes.  
**Ingestion:** May cause irritation. May be harmful if swallowed.  
**Inhalation:** May cause irritation. May be harmful if inhaled.  
**Skin Contact:** Causes skin irritation.

**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	% wt	CAS Registry #	PEL mg/m <sup>3</sup>	TLV-TWA mg/m <sup>3</sup>	TLV-STEL mg/m <sup>3</sup>
METHOXY POLYGLYCOL ETHER	10 - 20	9004-74-4	N.E.	N.E.	N.E.
ORGANIC ACIDS	10 -40	68937-72-4	N.E.	N.E.	N.E.
ETHANOLAMINES	12 - 45	68910-05-4	N.E.	N.E.	N.E.
<b>NON-HAZARDOUS ADDITIVES</b>					

N.E. = Not established

**4. FIRST AID MEASURES**

- Eye Contact:** Hold eyelids apart and flush eyes with plenty of tepid 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:** Not flammable      **Method:** Not available
- Auto-ignition Temperature:** Not established.
- Flammable Limits:** Limits not established.
- Extinguishing Media:** Use extinguishers appropriate for the surrounding fire conditions.
- Special Fire Fighting Procedures:** Firefighters must wear approved self-contained breathing apparatus and full protective clothing.

**6. ACCIDENTAL RELEASE MEASURES**

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

**7. HANDLING AND STORAGE**

- Handling** Keep containers tightly closed when not in use. Use care to avoid spills. Avoid breathing

**Precautions:** 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. Ambient temperatures.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Controls:** Good general ventilation or chemical hood should be sufficient to control any contaminate levels especially during heating applications.

**Personal protection:**

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

**Respirator:** An authority approved or compliant marked air-purifying respirator with a fume/organic chemical cartridge is recommended under certain circumstances where airborne concentrations are expected to be elevated or if engineering controls are not available.

**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/splash 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**

<b>Appearance:</b> Flux – creamy, amber	<b>Boiling Point:</b> Not available
<b>Odor:</b> mild odor	<b>Melting Point:</b> Not applicable
<b>Specific Gravity:</b> Not available	<b>pH:</b> Not available
<b>Vapor Pressure:</b> Not applicable.	
<b>Vapor Density:</b> (air=1) Not applicable.	

**10. STABILITY AND REACTIVITY**

**General:** Stable

**Conditions to Avoid:**

**Incompatible Materials:** Not available

**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.

## 12. ECOLOGICAL INFORMATION

Product not tested. No information available.

## 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 as hazardous material. Non hazardous for shipping.

UN – None

Marine pollutant: No

## 15. REGULATORY INFORMATION

The information in this 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.).

USA SARA 313 Listing - 40 CFR 372.65 - 16% glycol  
Ingredients are listed on the TSCA Inventory.

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

Canada WHMIS: not classified.

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

### Malaysia:

This product has been classified in accordance with: Malaysian – OCCUPATIONAL SAFETY AND HEALTH (CLASSIFICATION, LABELING AND SAFETY DATA SHEET OF HAZARDOUS CHEMICALS) REGULATION OCTOBER 2013 – (CLASS). (GHS)

### In China:

Decree No. 591: Regulations on the Control over Safety of Hazardous Chemicals  
GB 30000.2-29-2013, Rules for classification and labeling of chemicals. (GHS)  
GB/T 16483-2008, GB/T 17517-2013

This product has been classified using the Chinese Occupational Limit for Hazardous Agents in the Workplace, GBZ2-2007.

**16. OTHER INFORMATION**

**HMIS Hazard Rating:**      **Health:**            1  
   **Fire:**                    1  
   **Reactivity:**        0

**Revised Date:**            8 MAY 2017

**Prepared by:**            Nancy Swarts, Indium Corporation of America

**Approved by:**            Nancy Swarts, Indium Corporation of America

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