



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

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier:** WF-9940 ROSIN FLUX

**SDS Number:** SDS-4817

**Revised Date:** 6 DECEMBER 2016

**Product Use:** INDUSTRIAL USE - FLUX

**MANUFACTURER:**

**In America:**

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**CHEMTREC 24 hrs.**

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**2. HAZARDS IDENTIFICATION**

**PRIMARY ROUTES OF ENTRY:**

\*Eye      \*Inhalation      \*Skin      \*Ingestion      NTP      IARC      OSHA      \*Not Listed

**Carcinogen listed in**

GHS –global harmonized system



Signal Word: Danger

**Hazard statement(s)**

- H225            Highly flammable liquid and vapor
- H319            Causes serious eye irritation
- H335            May cause respiratory irritation
- H336            May cause drowsiness or dizziness

**Precautionary statement(s)**

- P210            Keep away from heat/sparks/open flames/hot surfaces – No smoking
- P233            Keep container tightly closed
- P240            Ground/Bond container and receiving equipment
- 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            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 + 341    IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
- P305 + 351    IF IN EYES: Rinse continuously with water for several minutes (15 mins)

Classification – isopropyl alcohol  
 Eye irritant – (Category 2A)  
 Flammable liquids - (Category 2)  
 Specific target organ systemic toxicity (single exposure) – (Category 3), Central nervous system

**POTENTIAL HEALTH EFFECTS:**

- Eye Contact:**      Vapors may be irritating, liquid may irritate or damage eye tissue.
- Ingestion:**        May result in gastric disturbances such as nausea and vomiting.
- Inhalation:**        May cause irritation, headache or dizziness. Rosin has been known to cause occupational asthma. Rosin may cause sensitization by inhalation.
- Skin Contact:**     Prolonged contact may cause irritation, dermatitis or sensitization.
- Chronic:**            Not established.

**NOTE:**                **The Indium Corporation does not recommend, manufacture, market or endorse any of it's products for human consumption.**

**WARNING:** This product contains a chemical known to the State of California to cause cancer and/or birth defects (or other reproductive harm). (trace levels of 1,4 dioxane)

### 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>
ISOPROPYL ALCOHOL	85-89	67-63-0 (US)	980	983	1230
		(EU)	-	999	1250
		(Canada)	-	983	1228
		(Singapore)	983	-	1230
		(Mexico)	-	980	1225
		(China)	-	350	700
ROSIN	1-3	65997-05-9	-	-	-
		(EU)	0.05	-	0.15
MINERAL SPIRITS	8 - 11	8052-41-3	N.E.	N.E.	N.E.
PROPRIETARY ACTIVATORS	1-3	-	N.E.	N.E.	N.E.

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:** 12C (54F)      **Method:** TCC      Flammable

<b>Auto-ignition Temperature:</b>	Not established
<b>Flammable Limits:</b>	Not established
<b>Extinguishing Media:</b>	Use extinguishers appropriate for the surrounding fire conditions.
<b>Special Fire Fighting Procedures:</b>	Standard firefighting equipment

## 6. ACCIDENTAL RELEASE MEASURES

**Spill or Leak Procedures:** DO NOT allow material to enter sewer system or waterway. Wear personal protective equipment, such as gloves and depending on the quantity a respirator with organic cartridges may be required. Clean up by absorption. Eliminate sources of ignition. Keep unnecessary personnel away. Put clean-up materials in a properly labeled metal drum. 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. Wear personal protective equipment. Ground containers when in use. Keep away from sources of heat.

**Storage Precautions:** Store product in tightly capped original containers in a cool, dry area, well ventilated away from sources of ignition. Refer to product label for specific storage temperature requirements. Rotate stock to ensure use before expiration date on the label.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Face velocity >2.1 cubic feet/minute in confined areas. Exhaust ventilation is recommended to keep exposure limits as low as possible. Keep exposure as low as possible.

### Personal protection:

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

**Respirator:** A NIOSH approved or compliant marked air-purifying respirator with a fume/organic chemical cartridge is recommended where airborne concentrations are expected to be elevated.

**Skin:** Compatible chemical resistant gloves. Do not use latex gloves.

**Other:** Lab coat, sleeve protectors, 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. Good personal hygiene is essential. 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>	Amber	<b>Boiling Point:</b>	Not available
<b>Odor:</b>	Alcoholic	<b>Melting Point:</b>	Not applicable
<b>Specific Gravity:</b>	0.8	<b>pH:</b>	4.6
<b>Vapor Pressure:</b>	Not available	<b>Solubility in Water:</b>	Insoluble
<b>Vapor Density:</b>	Not established		

**10. STABILITY AND REACTIVITY**

**General:** Stable.  
**Conditions to Avoid:** Direct heat, open flames and storage in aluminum.  
**Incompatible Materials:** phosphorus, halogens, anhydrides, monomers, aldehydes, trichlorides  
**Hazardous Decomposition / Combustion:** Carbon dioxide/carbon monoxide.  
**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. Contains mineral spirits which is harmful to aquatic life with long lasting effects.

**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.  
 UN1987, Alcohols, N.O.S, 3, PG II (isopropanol, mineral spirits)



North American Emergency Guide Book – Guide #127

## 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.).

**WARNING:** This product contains a chemical known to the State of California to cause cancer and/or birth defects (or other reproductive harm). (trace levels of 1,4 dioxane)

SARA 313 Listing - 40 CFR 372.65: trace levels of 1,4 dioxane

All ingredients are listed on the EPA TSCA Inventory.

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

Canadian WHMIS: Class B Division 2 Flammable, D2B Toxic Material Causing Other Toxic Effects (eye irritation in animals).



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

This product has been classified in accordance with Mexican regulations NOM-0180STPS-2015 and NOM-010-STPS-2014.

Regulatory Information China:

GB/T 16483-2008, GB/T 17519-2013, Safety Data Sheets for Chemical Products

GB 30000.2-29-2013, Rules for classification and labeling of chemicals (GHS)

Decree No. 591: Regulations on the Control Over Safety of Hazardous Chemicals.

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

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).

**16. OTHER INFORMATION**

<b>HMIS Hazard Rating:</b>	<b>Health:</b>	2
	<b>Fire:</b>	3
	<b>Physical Hazards:</b>	0
<b>Revised Date:</b>	6 DECEMBER 2016	
<b>Prepared by:</b>	Nancy Swarts, Indium Corporation of America	
<b>Approved by:</b>	Nancy Swarts, Indium Corporation of America	

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