

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

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: 3559 ROSIN FLUX

SDS Number: SDS-4426 Revised Date: 14 APRIL 2015

Product Use: INDUSTRIAL USE - ROSIN FLUX

MANUFACTURER:

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2. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY: Carcinogen listed in

★Eye ★Inhalation ★Skin ★Ingestion NTP IARC OSHA ★Not Listed

GHS:







Signal word: Danger Hazard statement (s):

H225 Highly flammable liquid and vapor H317 May cause an allergic skin reaction

H320 Causes eye irritation

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 May cause respiratory irritation

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

P242 Use only non- sparking tools

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:

Flammable Liquid – Category 2 Eye irritation – Category 2A

Specific target organ toxicity- single exposure - Category 3- central nervous system

Skin sensitizer- Category 1B

Respiratory sensitizer- Category 1B

POTENTIAL HEALTH EFFECTS:

Eye Contact: Vapors may be irritating, liquid may damage eye tissue.

Ingestion: May cause irritation. May be harmful.

Inhalation: May cause throat irritation, headache or dizziness. May be harmful if inhaled. Rosin may cause

occupational asthma.

Skin Contact: Prolonged contact causes irritation or dermatitis. May be harmful if absorbed through the skin.

Chronic: Not established.

Target Organ: Nerves, liver, heart

NOTE: The Indium Corporation does not recommend, manufacture, market or endorse any of it's

products for human consumption.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth

defects or other reproductive harm. (Ethyl alcohol).

Components	% wt	CAS Registry #	PEL mg/m³	TLV-TWA mg/m³	TLV-STEL mg/m³
ETHYL ALCOHOL	70-80	64-17-5 (US)	1900	1884	1230
(Ethanol)		(EU)	-	1920	-
		(Canada)	-	1884	2355
		(Singapore)	1800	-	-
		(Mexico)	-	1900	-
ISOPROPYL ALCOHOL	5-15	67-63-0			
			980	983	1225
(PROPAN-2-OL)		(EU)	-	999	1250
		(Canada)	-	983	1228
		(Singapore)	983	-	1230
		(Mexico)	-	980	1225
		(China)	-	350	700
ROSIN	10-15	8050-09-7	-	-	-
		(EU)	0.05	-	0.15
PROPRIETARY	5-10	-	N.E.	N.E.	N.E.
Symbol: XI, F N.E. = Not established	Risk F	Phrases: R36/37/38, R1	1, R42/43, R6	7	

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: 65F Method: TCC

Auto-ignition Temperature: 793F

Flammable Limits: Lower limit 4.3

Extinguishing Media: Use extinguishers appropriate for the surrounding fire conditions. Water/CO2/Dry

Chemical

Special Fire Fighting

Procedures:

Standard fire fighting 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 Keep containers tightly closed when not in use. Use care to avoid spills. Wear personal

Precautions: protective equipment.

Storage Precautions: Store product in tightly capped original containers in a cool, dry area 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.

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 where airborne concentrations are expected to be elevated.

Skin: Compatible chemical (alcohol) resistant gloves.

Other: Lab coat, eyewash fountain in work area. Avoid the use of contact lenses in high fume/splash areas.

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

Practices: 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

Appearance: Amber **Boiling Point:** 174°F

Odor: Alcoholic Melting Point: Not applicable

Specific Gravity:0.8408pH:NeutralVapor Pressure:44MM Hg @68FSolubility in Water:NDVapor Density:1.5Evaporation Rate:1.4%

Volatile by Volume: 87%

10. STABILITY AND REACTIVITY

General: Stable.

Conditions to Avoid: Direct heat, open flames, ammonia, oxidizing agents, peroxides 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.

Ethyl alcohol:

LD50 oral – rat – 7,060mg/kg LC50 inhalation-rat-10h-20000ppm

Specific target organ toxicity – single exposure (GHS)

Inhalation - may cause respiratory irritation

12. ECOLOGICAL INFORMATION

Product not tested.

Toxicity to fish (ethyl alcohol):

LC50 - rainbow trout - 13,000 mg/l - 96h

EC50- water flea - 9.30 mg/l - 48h

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.

UN1170, Ethyl alcohol solution, 3, PG II



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.).

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

Canadian WHMIS: Class B Flammable Division 2





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-2000 and NOM-010-STPS-1999.

This product has been classified using the Chinese Occupational Exposure Limit for Hazardous Agents in the Workplace, GBZ2-2002.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth

defects or other reproductive harm. (Ethyl alcohol).

SARA 313 Listing - 40 CFR 372.65: None

All ingredients are listed on the EPA TSCA Inventory.

EC Classification, Packaging and Labeling Requirements:

Symbol and Hazard Classification of Product

XI, F

Risk Phrases:

R36/37/38 Irritating to eyes, respiratory system and skin

R11 Highly Flammable

R42/43 May cause sensitization by inhalation and skin contact

R67 Vapors may cause drowsiness and dizziness

Safety Phrases:

S16 Keep away from sources of ignition – No Smoking

S20/21	When using do not eat, drink or smoke
S23	Do not breathe fumes
S24/25	Avoid contact with skin and eyes
S27	Take off immediately all contaminated clothing
S28	After contact with skin wash immediately with plenty of soap and water
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection
S62	If swallowed, do not induce vomiting seek medical advice immediately and show container or label
S7	Keep container tightly closed

16. OTHER INFORMATION

HMIS Hazard Rating: Health: 2

Fire: 3 Reactivity: 0

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