



**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:

*Eye *Inhalation *Skin *Ingestion NTP **Carcinogen listed in**
 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 its 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).

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	% wt	CAS Registry #	PEL mg/m ³	TLV-TWA mg/m ³	TLV-STEL mg/m ³
ETHYL ALCOHOL (Ethanol)	70-80	64-17-5 (US)	1900	1884	1230
		(EU)	-	1920	-
		(Canada)	-	1884	2355
		(Singapore)	1800	-	-
		(Mexico)	-	1900	-
ISOPROPYL ALCOHOL (PROPAN-2-OL)	5-15	67-63-0	980	983	1225
		(EU)	-	999	1250
		(Canada)	-	983	1228
		(Singapore)	983	-	1230
		(Mexico)	-	980	1225
ROSIN	10-15	8050-09-7	-	-	-
		(EU)	0.05	-	0.15
PROPRIETARY	5-10	-	N.E.	N.E.	N.E.

Symbol: XI, F Risk Phrases: R36/37/38, R11, R42/43, R67
 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber	Boiling Point:	174°F
Odor:	Alcoholic	Melting Point:	Not applicable
Specific Gravity:	0.8408	pH:	Neutral
Vapor Pressure:	44MM Hg @68F	Solubility in Water:	ND
Vapor Density:	1.5	Evaporation 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

Revised Date: 14 APRIL 2015

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Approved by: Nancy Swarts, Indium Corporation of America

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