



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

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: INDIUM #16-1081

SDS Number: SDS-HG4123

Revised Date: 24 JANUARY 2015

Product Use: THINNER

MANUFACTURER:

In America:

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In Asia:

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Asia-Pacific Operations-Singapore
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Singapore 628908
Information: +65 6268-8678

2. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY:

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

GHS



Signal Word: Danger

Hazard statement(s)

H225 Highly flammable liquid and vapor
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
P241 Use explosion-proof electrical/ventilating/lightening/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

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

POTENTIAL HEALTH EFFECTS:

- Eye Contact:** Vapors may be irritating, liquid may damage eye tissue. May cause corneal injury.
- Ingestion:** May result in gastric disturbances such as nausea and vomiting. Contains methanol ingestion of as little as 1 to 4 ounces may cause death or serious irreversible injury such as blindness. Contains an ingredient that may cause kidney or liver damage.
- Inhalation:** May cause irritation, headache or dizziness. Repeated overexposure may cause nervous system damage.
- Skin Contact:** Prolonged contact may cause irritation, defatting and drying of the skin.
- Chronic:** Preexisting skin, eye and respiratory disorders may be aggravated by exposure to this product. .
- NOTE:** **The Indium Corporation does not recommend, manufacture, market or endorse any of it's products for human consumption.**

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	% wt	CAS Registry #	PEL mg/m ³	TLV-TWA mg/m ³	TLV-STEL mg/m ³
ALIPHATIC ALCOHOL	90-95	64-17-5 (US)	-	1884	-
		(EU)	-	1920	-
		(Canada)	-	-	-
		(Singapore)	-	-	-
		(Mexico)	-	1900	-
		(China)	-	-	-
METHANOL	4.3	67-56-1 (US)	260	160	325
		(EU)	-	266	333
		(Canada)	-	262	328
		(Singapore)	262	-	328
		(Mexico)	-	260	310
		(China)	-	25(skin)	50(skin)
PROPRIETARY ADDITIVE	0.7-5.7	-	-	-	-

Symbol: X_nF Risk Phrases: R36/37/38, R11
 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:** 59F **Method:** TCC
- Auto-ignition Temperature:** 750 F
- Flammable Limits:** Upper limit 19. Lower limit 3.3
- Extinguishing Media:** Use extinguishers appropriate for the surrounding fire conditions. Water fog, foam, chemical extinguishers.
- Special Fire Fighting** Standard fire fighting equipment

Procedures:**6. ACCIDENTAL RELEASE MEASURES**

Spill or Leak Procedures: DO NOT allow chemical product 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.

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. Use in well ventilated areas.

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: A NIOSH approved or EU compliant CE 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.

Other: Lab coat, 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

Appearance:	Liquid, colorless	Boiling Point:	169-179°F
Odor:	Alcoholic	Melting Point:	Not applicable
Specific Gravity:	0.812	pH:	Neutral
Vapor Pressure:	41 mm HG @68°C	Solubility in Water:	Soluble
Vapor Density:	1.5	Evaporation Rate:	1.4
Volatile by Volume:	100%		

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.	

13. DISPOSAL CONSIDERATION	
Waste Disposal Method:	Dispose of in accordance with all Federal, State and Local environmental regulations.

14. TRANSPORT INFORMATION	
Transport in accordance with applicable regulations and requirements.	
Alcohols, N.O.S., 3, UN1987, II (ethyl alcohol, methanol)	Label: Flammable
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).

WHMIS: Class B2 Flammable Liquid, 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-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.

SARA 313 Listing - 40 CFR 372.65: methanol

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

Safety Phrases:

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:	1
	Fire:	3
	Reactivity:	0
Revised Date:	24 JANUARY 2015	
Prepared by:	Nancy Swarts, Indium Corporation of America	
Approved by:	Nancy Swarts, Indium Corporation of America	

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