



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

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: DIME SOLUTION

SDS Number: SDS-4206

Revised Date: 22 FEBRUARY 2016

Product Use: LIQUID FLUX (MIXTURE)

MANUFACTURER:

In America:

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2. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY:

X Eye X Inhalation X Skin X Ingestion NTP

Carcinogen listed in

IARC OSHA X Not Listed

GHS



Signal Word: Danger

Hazard Statement(s):

H301 Toxic if swallowed
 H312 Harmful in contact with skin
 H319 Causes serious eye irritation
 H331 Toxic if inhaled
 H370 Causes damage to organs
 H225 Highly flammable liquid and vapor

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
 P243 Take precautionary measures against static discharge
 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
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 P302 + P350 IF ON SKIN: Gently wash with plenty of soap and water
 P304 + P340 IF INHALED: 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
 Acute toxicity- oral- Category 3
 Acute toxicity- inhalation- Category 3
 Acute toxicity-dermal-Category 3
 Specific target organ toxicity- single exposure- Category 1

POTENTIAL HEALTH EFFECTS:

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

Ingestion: May cause persistent nausea, vomiting and abdominal pain. Harmful if swallowed.

Inhalation: Vapor may cause headaches, drowsiness, vertigo and or dizziness. Harmful if inhaled.

Skin Contact: Prolonged contact may cause irritation. Harmful by skin absorption.

Chronic: Methanol target organ CNS, respiratory system. Methanol is slowly eliminated from the body.

WARNING: This product contains a chemical known to the State of California to cause cancer and/or birth defects (or other reproductive harm). Applicable in California. (methanol)

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	% wt	CAS Registry #/EINECS#	PEL mg/m ³	TLV-TWA mg/m ³	TLV-STEL mg/m ³
METHANOL	50	67-56-1/200-659-6			
(methyl alcohol)		(US)	260	262	328
		(EU)	-	266	333
		(Canada)	-	262	328
		(Singapore)	262	-	328
		(Mexico)	-	260	310
		(China)	-	25(skin)	50(skin)
PROPRIETARY	50	-	N.E.	N.E.	N.E.

N.E. = Not established

EU = European Exposure Limits

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.

Call POISON CENTER

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: 52 F **Method:** Closed Cup

Auto-ignition Temperature: 850 F

Flammable Limits: Upper: 36 ; Lower 7

Extinguishing Media: Dry chemical, CO₂, sand, alcohol-resistant foam. Use extinguishers appropriate for the surrounding fire conditions.

Special Fire Fighting Procedures: Wear protective clothing and self-contained breathing apparatus. Use water to cool fire exposed containers. Flammable vapors may travel great distances to ignition source and flash back.

6. ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: DO NOT allow material to enter sewer system or waterway. Wear personal protective equipment. Eliminate sources of ignition. Ventilate area in accordance with regulations. Keep unauthorized personnel away. 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. Keep away from sources of ignition/heat/flame.

Storage Precautions: Store product in tightly capped original containers in a cool, dry area. Refer to product label for specific storage temperature requirements. Rotate stock to ensure use before expiration date on the label. Ground containers, especially during pouring.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Face velocity >2.1 cubic feet/minute in confined areas. Exhaust ventilation is required. Avoid exposure to fumes and vapors. Work in chemical hood if possible.

Personal protection:

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

Respirator: An 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. Use gloves such as nitrile, which are compatible with alcohol's.

Other: Lab coat, eye-wash 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:	Clear liquid	Boiling Point:	149 F
Odor:	Alcohol odor.	Evaporation Rate:	3.5
Specific Gravity:	0.878	pH:	Neutral
Vapor Pressure:	4.3lbs/sq.in. 100F	Solubility in Water:	Soluble

Vapor Density: ND**% Volatiles by volume:** ND**10. STABILITY AND REACTIVITY**

General: Stable.

Conditions to Avoid: Direct heat, open flames and storage in aluminum.

Incompatible Materials: Anhydrides, halogens, phosphorus, trichlorides, monomers, aldehydes

Hazardous Decomposition / Combustion: Carbon dioxide/carbon monoxide and unidentified organics during combustion

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity: National Toxicity Program **NTP:** No
Occupational Safety & Health Administration **OSHA:** No
International Agency for Research on Cancer **IARC:** No

LD50: Not established. **LC50:** Not established.

RTECS: See NIOSH (PC 1400000)

Methanol: LD50 Oral 5628 mg/kg (rat), LD50 Dermal 15800 mg/kg (rabbit), LC50 Inhalation 64000 ppm (rat) 4h

Methanol: Target organs, gastrointestinal tract, CNS, eyes, respiratory system, skin nerves, liver, kidney, spleen, blood

12. ECOLOGICAL INFORMATION

Product not tested.

Methanol: Freshwater fish: LC50 >10000 mg/l 96h

Water flea: EC50 > 10000 mg/l 24h

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. Generally will be classified as hazardous waste. Empty containers should be taken for recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

Transport in accordance with applicable regulations and requirements.

UN1230, METHANOL SOLUTION, 3, PG II



North America Emergency Guide Book – Guide #131

Label: flammable class 3 / toxic class 6.1

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 B2 Flammable Liquid
D2B Toxic Material Causing Other Toxic Effects .

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

SARA 313 Listing - 40 CFR 372.65: Methanol

All ingredients are listed on the EPA TSCA Inventory.

This product has been classified under the Mexican regulations NOM-018-STPS-2000 and NOM-010-STPS-2014.

WARNING: This product contains a chemical known to the State of California to cause cancer and/or birth defects (or other reproductive harm). Applicable in California. (methanol)

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

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

HMIS Hazard Rating: Health: 2

Fire: 3**Reactivity:** 0**Revised Date:** 22 FEBRUARY 2016**Prepared by:** Nancy Swarts, Indium Corporation of America**Approved by:** Nancy Swarts, Indium Corporation of America

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