



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

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: 158-UC CLEANER

SDS Number: SDS-HG4138

Revised Date: 4 FEBRUARY 2015

Product Use: INDYSTRIAL USE-SOLVENT CLEANER

MANUFACTURER:

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3. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY:

*Eye *Inhalation *Skin *Ingestion NTP

***Carcinogen listed in**

IARC OSHA Not Listed
 * See Section 11

GHS



Signal Word: Warning

Hazard Statements:

- H315 Causes skin irritation
- H351 Suspected of causing cancer
- H411 Toxic to aquatic life with long lasting effects

Precautionary statement(s)

- P233 Keep container tightly closed
- 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)

POTENTIAL HEALTH EFFECTS:

- Eye Contact:** Vapors may be irritating, liquid may damage eye tissue.
- Ingestion:** May be harmful is swallowed.
- Inhalation:** May cause throat and upper respiratory irritation. May cause drowsiness.
- Skin Contact:** Causes irritation. May be harmful if absorbed through the skin. May cause sensitization by skin contact.
- Chronic:** Target organs: heart, nerves, liver, and kidneys. Narcotic effect.
- 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).**

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	% wt	CAS Registry #/EINECS	PEL mg/m ³	TLV-TWA mg/m ³	TLV-STEL mg/m ³
PERCHLOROETHYLENE	90-95	127-18-4 /204-825-9			
		(US)	N.E	25 ppm	125 ppm
		(EU)	-	345	689
		(Mexico)	-	1250	-
		(China)	-	200	300
PROPRIETARY	5 - 10	-	N.E	N.E	N.E.

Symbol: X_n
 N.E. = Not established

Risk Phrases: R38, R40

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:** None **Method:** NA
- Auto-ignition Temperature:** NA
- Flammable Limits:** NA
- Extinguishing Media:** Use extinguishers appropriate for the surrounding fire conditions. Water spray/foam/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 multi-gas 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.

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 required 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 multi-gas chemical cartridge is recommended where airborne concentrations are expected to be elevated.

Skin: Compatible chemical resistant gloves. Fluorinated gloves for full protection emersion, nitrile for splash protection

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, clear

Odor: Mild

Specific Gravity: 1.520

Vapor Pressure: 13 mm HG @68°F

Vapor Density: 5.83

Volatile by Volume: 100%

Boiling Point: 250°F

Melting Point: <-20 C

pH: Not available

Solubility in Water: Insoluble

Evaporation Rate: 0.12

10. STABILITY AND REACTIVITY

General:	Stable.
Conditions to Avoid:	Direct heat, open flames and storage in aluminum.
Incompatible Materials:	Strong alkali
Hazardous Decomposition / Combustion:	Carbon dioxide/carbon monoxide, hydrogen chloride gas.
Hazardous Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity:	NTP: Reasonably anticipated to be a human carcinogen		
	OSHA: No		
	IARC: 2A-Group 2A-probably carcinogenic to humans		
LD50:	*Not established.	LC50:	*Not established.

See RTECS NUMBER: KX3850000 for information (Suspected carcinogen) CAS# 127-18-4
Tumorigenic effects: testicular tumors Blood: leukemia tumorigenic effects

LD 50 rat oral- 2,629 mg/kg
LC50 inhalation-rat 8h 34,200 mg/m³
LD50 dermal-rabbit-5000 mg/kg

12. ECOLOGICAL INFORMATION

Toxic to the aquatic environment
Product mix 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.
UN 1897, Tetrachloroethylene, 6.1, PG III
RQ: 100 lbs



IMDG:

UN 1897, Tetrachloroethylene, 6.1, PG III (Marine Pollutant)



North American Emergency Guide Book – Guide #160

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: No information to classify.

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 a chemical known to the State of California to cause cancer and/or birth defects (or other reproductive harm).

SARA 313 Listing - 40 CFR 372.65: Yes

All ingredients are listed on the EPA TSCA Inventory.

EC Classification, Packaging and Labeling Requirements:

Symbol and Hazard Classification of Product

X_n N

Risk Phrases:

R51/53	Toxic to aquatic organisms/ May cause long term adverse effects in the aquatic environment
R38	Irritating to skin
R40	Limited evidence of a carcinogenic effect

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:	3
Fire:	0
Reactivity:	0

Revised Date: 4 FEBRUARY 2015

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Approved by: Nancy Swarts, Indium Corporation of America

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