

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Telephone numbers:	(517) 546-4520
Manufacturer/Supplier:	CHEM-TREND LP P.O. BOX 860 HOWELL, MI 48844-0860
Product Name:	Chemlease® 70-90

2. HAZARDS IDENTIFICATION

Physical State:	Liquid
Appearance:	Liquid
Color:	Clear
Odor:	Solvent
Emergency Overview:	DANGER: FLAMMABLE!
Principle Routes of Exposure:	Skin, eyes, respiratory tract, gastrointestinal tract

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
o-Xylene	95-47-6	50 - 60%
Petroleum naphtha, light aromatic	64742-95-6	20 - 30%
1,2,4-Trimethylbenzene	95-63-6	10 - 20%
1,3,5-Trimethylbenzene	108-67-8	1 - 5%
Diethylbenzene	25340-17-4	1 - 5%
Cumene	98-82-8	1 - 5%
Resin blend	Proprietary	1 - 5%

Chemlease® 70-90

4. FIRST AID MEASURES

Skin contact:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Inhalation:	Move to fresh air. If symptoms persist, call a physician.
Ingestion:	Do not induce vomiting: contains petroleum distillates and/or aromatic solvents. Aspiration may cause pulmonary oedema and pneumonitis. Call a physician or Poison Control Centre immediately.
Aggravated Medical Conditions:	Respiratory, liver, and kidney.
Notes to physician:	No information available.

5. FIRE-FIGHTING MEASURES

Flash point:	85 °F , 29°C (Pensky-Martens, ASTM D 93, ISO 1523, ISO 2719, DIN 51 755, DIN 51758)
Flame extension test, inches (aerosol products only):	Not applicable or no information available.
Suitable extinguishing media:	Carbon dioxide (CO2). Dry chemical. Foam. Do not use a direct stream of water..
Unusual hazards:	Flammable.
Special protective equipment for fire-fighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific methods:	Standard procedure for chemical fires.
Explosive properties:	No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up:

Small spills:	Take precautionary measures against static discharges. Soak up with inert absorbent material and dispose of as hazardous waste.
Large spills:	Take precautionary measures against static discharges. Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE

Handling:

Technical measures/precautions: Ensure adequate ventilation. Take precautionary measures against static discharges.

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7. HANDLING AND STORAGE

Safe handling advice:	Handle in accordance with good industrial hygiene and safety practice. Normal measures for preventive fire protection. Take precautionary measures against static discharges. Keep away from open flames, hot surfaces and sources of ignition Bond and ground containers during transfer of material. Do not puncture empty containers. Do not re-use empty containers for other materials.
Storage:	
Technical measures/storage conditions:	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep product and empty container away from open flames, hot surfaces and sources of ignition. Store at temperatures not exceeding 110°F.
Incompatible products:	Strong oxidizing agents.
Other precautions:	None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	CAS-No.	ACGIH TWA:	OSHA - TWA:	OSHA - Skin Notations	OSHA Z3 Mineral Dusts
o-Xylene	95-47-6	100 ppm 150 ppm	-	-	-
Petroleum naphtha, light aromatic	64742-95-6	-	-	-	-
1,2,4-Trimethylbenzene	95-63-6	-	-	-	-
1,3,5-Trimethylbenzene	108-67-8	-	-	-	-
Diethylbenzene	25340-17-4	-	-	-	-
Cumene	98-82-8	50 ppm	50ppmTWA 245mg/m ³ TW A	-	-
Resin blend	Proprietary	-	-	-	-

Engineering measures:	Ensure adequate ventilation.
Personal Protective Equipment	
Respiratory protection:	In case of insufficient ventilation wear suitable respiratory equipment.
Hand protection:	Impervious gloves
Eye protection:	Tightly fitting safety goggles or safety glasses with side-shields
Skin and body protection:	Lightweight protective clothing. Usual safety precautions while handling the product will provide adequate protection against this potential effect.

9. PHYSICAL AND CHEMICAL PROPERTIES

Initial boiling point:	284 °F , 140 °C
Specific gravity:	0.88

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9. PHYSICAL AND CHEMICAL PROPERTIES

Bulk density (lb/gal):	7.34
Vapor pressure in mm Hg at 20 °C (68 °F):	No information available.
Vapor density (Air = 1.0)	>1
Evaporation rate:	<1 (n-butyl acetate = 1)
Volatiles content (%):	90 - 100%
Water solubility:	Insoluble
pH of concentrate:	Not applicable.
Melting point/range:	Not applicable
Flash point:	85 °F , 29°C (Pensky-Martens, ASTM D 93, ISO 1523, ISO 2719, DIN 51 755, DIN 51758)
Flammability limits in air:	Percent by volume

Components	CAS-No.	Lower (%):	Upper (%):
o-Xylene	95-47-6	1.0	7.8
Petroleum naphtha, light aromatic	64742-95-6	1.0	7.0
1,2,4-Trimethylbenzene	95-63-6	0.9	6.4
Diethylbenzene	25340-17-4	1.1	6.2
Cumene	98-82-8	0.9	6.5

10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to avoid:	Keep away from open flames, hot surfaces and sources of ignition.
Materials to avoid:	Strong oxidizing agents
Hazardous decomposition products:	Carbon oxides. Formaldehyde and silicon dioxide may be evolved at elevated temperatures.
Polymerization:	Hazardous polymerization does not occur..

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Component Information:

Components	CAS-No.	LD50 Oral	LD50 Dermal	LC50 Inhalation
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11. TOXICOLOGICAL INFORMATION

o-Xylene	95-47-6	2180 ppm (Rat) 3609 mg/kg (Rat)	2180 ppm (Rat) 3609 mg/kg (Rat)	2180 ppm (Rat) 4 h
Petroleum naphtha, light aromatic	64742-95-6	3400 ppm (Rat) 8400 mg/kg (Rat) 2000 mg/kg (Rabbit) 5.2 mg/L (Rat)	3400 ppm (Rat) 8400 mg/kg (Rat) 2000 mg/kg (Rabbit) 5.2 mg/L (Rat)	3400 ppm (Rat) 4 h 5.2 mg/L (Rat) 4 h
1,2,4-Trimethylbenzene	95-63-6	18 g/m ³ (Rat) 3400 mg/kg (Rat) 3160 mg/kg (Rabbit)	18 g/m ³ (Rat) 3400 mg/kg (Rat) 3160 mg/kg (Rabbit)	18 g/m ³ (Rat) 4 h
1,3,5-Trimethylbenzene	108-67-8	24 g/m ³ (Rat) 5000 mg/kg (Rat)	24 g/m ³ (Rat) 5000 mg/kg (Rat)	24 g/m ³ (Rat) 4 h
Diethylbenzene	25340-17-4	-	-	-
Cumene	98-82-8	1400 mg/kg (Rat) 39000 mg/m ³ (Rat) 3160 mg/kg (Rabbit)	1400 mg/kg (Rat) 39000 mg/m ³ (Rat) 3160 mg/kg (Rabbit)	39000 mg/m ³ (Rat) 4 h
Resin blend	Proprietary	-	-	-

Acute effects **Product contains proprietary ingredients. Health hazards are listed below.**

- Skin contact:** Prolonged contact may defat skin, causing irritation and/or dermatitis.
- Eye contact:** Contact with eyes may cause irritation.
- Inhalation:** High levels above the TLV cause stupor, headache, nausea, dizziness, unconsciousness, and may produce adverse effects on vision.
- Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, and diarrhea. Material entering lungs during swallowing or vomiting causes lung inflammation and other lung injury.
- Sensitization:** No information available.
- Other effects:** No information available.

Chronic effects

Carcinogenic effects:

Components	CAS-No.	NTP:	IARC:	OSHA:
o-Xylene	95-47-6	No	No	No
Petroleum naphtha, light aromatic	64742-95-6	No	No	No
1,2,4-Trimethylbenzene	95-63-6	No	No	No
1,3,5-Trimethylbenzene	108-67-8	No	No	No
Diethylbenzene	25340-17-4	No	No	No
Cumene	98-82-8	No	No	No
Resin blend	Proprietary	No	No	No

- Mutagenic effects:** No information available.
- Reproductive toxicity:** No information available.
- Target organ effects:** No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

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13. DISPOSAL CONSIDERATIONS

Method(s) of disposal: Dispose of in accordance with local, state, and federal regulations.
US EPA Waste number: D001 because of its ignitability if the product is disposed of in its original form.

14. TRANSPORT INFORMATION

IMDG - Marine Pollutants This product does not contain marine pollutants as classified by the International Maritime Organization.

Emergency Response Guidebook 128 (ERG) No:

Mode of Transportation:	UN/NA ID No:	Proper shipping name:	Technical name:	Hazard Class:		Packing group:
DOT - Non-Bulk	UN1866	Resin solution	-	3		III
DOT - Bulk	UN1866	Resin solution	-	3		III
Canadian TDG	UN1866	Resin solution	-	3		III
ICAO/IATA	UN1866	Resin solution	-	3		III
IMO/IMDG	UN1866	Resin solution	-	3		III

15. REGULATORY INFORMATION

Federal Regulations

OSHA Hazardous Chemical: Yes

SARA Title III

CERCLA/SARA (304) Hazardous Substances and RQs

Components	CAS-No.	Weight %	RQ
o-Xylene	95-47-6	50 - 60%	100 lb 1000 lb
Petroleum naphtha, light aromatic	64742-95-6	20 - 30%	-
1,2,4-Trimethylbenzene	95-63-6	10 - 20%	-
1,3,5-Trimethylbenzene	108-67-8	1 - 5%	-
Diethylbenzene	25340-17-4	1 - 5%	-
Cumene	98-82-8	1 - 5%	5000 lb
Resin blend	Proprietary	1 - 5%	-

SARA (302) Extremely Hazardous Substances and RQs

Components	CAS-No.	Weight %	RQs
o-Xylene	95-47-6	50 - 60%	-
Petroleum naphtha, light aromatic	64742-95-6	20 - 30%	-
1,2,4-Trimethylbenzene	95-63-6	10 - 20%	-
1,3,5-Trimethylbenzene	108-67-8	1 - 5%	-
Diethylbenzene	25340-17-4	1 - 5%	-
Cumene	98-82-8	1 - 5%	-
Resin blend	Proprietary	1 - 5%	-

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15. REGULATORY INFORMATION

SARA (311/312) Classification:

Acute health hazard: Yes
Chronic health hazard: No
Fire: Yes
Sudden release of pressure: No
Reactive: No

SARA (313) Toxic Chemicals

Components	CAS-No.	Weight %	SARA (313) List
o-Xylene	95-47-6	50 - 60%	X
Petroleum naphtha, light aromatic	64742-95-6	20 - 30%	Not Listed
1,2,4-Trimethylbenzene	95-63-6	10 - 20%	X
1,3,5-Trimethylbenzene	108-67-8	1 - 5%	Not Listed
Diethylbenzene	25340-17-4	1 - 5%	Not Listed
Cumene	98-82-8	1 - 5%	X
Resin blend	Proprietary	1 - 5%	Not Listed

International Inventories

Australia:	All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).
Canada:	This product complies with NDSL
China:	This product complies with CLECS.
Europe:	This product complies with EINECS
Japan:	This product complies with ENCS/MITI.
Korea:	Listed on ECL.
New Zealand:	This product does not comply with NEWZ
Philippines:	This product complies with PICCS.
United States:	This product complies with TSCA.

15J. JAPANESE REGULATORY INFORMATION

Industrial Safety and Health Law (ISHL) Notifiable Substances: Toluene, Xylenes, Isopropylbenzene (Cumene).

Industrial Safety and Health Law (ISHL) Harmful Substances Whose Names Are to be Indicated on the Label: Toluene, Xylenes.

Poisonous and Deleterious Substances: This product contains no listed Poisonous or Deleterious substances at a reportable concentration.

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15J. JAPANESE REGULATORY INFORMATION

Pollutant Release Transfer Register (PRTR): 1,3,5-Trimethylbenzene (Class 1), 1,2,4-Trimethylbenzene (Class 1), Isopropylbenzene (Cumene) (Class 1).

16. OTHER INFORMATION**Hazardous Material Information System (USA):**

Health: 1 **Flammability:** 3 **Physical hazard:** 0 **Personal Protection code:** H

National Fire Protection Association (USA):

Health: 1 **Flammability:** 3 **Instability:** 0 **Special Hazards:** None

All revisions are marked with one or more asterisks (*)

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