

CHEM-TREND LIMITED PARTNERSHIP  
MATERIAL SAFETY DATA SHEET  
EMERGENCY TELEPHONE NO. 517-546-4520

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: CHEMLEASE 70-90  
MANUFACTURER'S NAME: CHEM-TREND LIMITED PARTNERSHIP  
ADDRESS: 1445 W. MCPHERSON PARK DR.  
HOWELL, MI 48844-0860  
CHEMICAL FAMILY: Resin solution

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>INGREDIENT (S)</u>	<u>CONC.</u>	<u>CAS NUMBER</u>
1. o-XYLENE	50-60%	95-47-6
2. AROMATIC PETROLEUM DISTILLATE	30-40%	64742-95-6
3. 1,2,4-TRIMETHYLBENZENE*	10-20%	95-63-6
4. 1,3,5-TRIMETHYLBENZENE	1-10%	108-67-8
5. DIETHYLBENZENE	< 5%	25340-17-4
6. RESIN BLEND**	BALANCE	***

\* This chemical is subject to the reporting requirements of section 313 of SARA Title III.

\*\* Ingredients are nonhazardous (based on suppliers' MSDS forms) as compounded, when the product is used as directed.

\*\*\* All ingredients are listed in the TSCA inventory or meet EPA criteria for exemption.

**EXPOSURE LIMITS**

<u>INGREDIENT</u>	<u>OSHA TWA</u>	<u>ACGIH TLV</u>	<u>STEL</u>	<u>UNITS</u>	<u>NOTES</u>
1.	100.000	100.000	150	ppm	FUME

**3. HAZARDS IDENTIFICATION**

LISTED CARCINOGENS (NTP, IARC OR OSHA): NONE

ROUTES OF EXPOSURE AND ACUTE EFFECTS:

Skin Contact: Causes mild skin irritation and drying of the skin.  
Eye Contact: Causes moderate eye irritation.  
Inhalation: Excessive inhalation causes headache, dizziness, nausea and incoordination. Harmful if inhaled.

Medical Conditions Aggravated: Respiratory, Liver, Kidney.  
Subchronic (Target Organ) Effects: Dermatitis, Respiratory ailments, Central nervous system disorders.

OTHER HAZARDS:  
Not Applicable

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4. FIRST AID MEASURES

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EMERGENCY AND FIRST AID PROCEDURES:

Skin Contact: Wash with soap and water. Launder contacted clothing before reuse.  
Eye Contact: Flush with water for at least 15 minutes. Contact a physician.  
Inhalation: If adverse effects such as dizziness, nausea or irritation are noted, move to fresh air. Contact physician.  
Ingestion: If product is swallowed, DO NOT induce vomiting. Contact a physician immediately.

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5. FIRE FIGHTING MEASURES

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FLASH POINT (deg.F): 85 (Method Used): PENSKY-MARTENS  
FLAMMABLE LIMITS IN AIR, % BY VOLUME: LOWER(lei) UPPER(uei)  
o-XYLENE 1 7  
AROMATIC PETROLEUM DISTILLATE 1 7

DANGER: FLAMMABLE. Keep away from heat, sparks, and flames.

EXTINGUISHING MEDIA: Use foam, carbon dioxide or dry chemical. Do not use a direct stream of water since product will float and can reignite on the surface.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus when fire fighting in a confined space.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Containers exposed to intense heat should be cooled with water to prevent pressure build-up which could result in container rupture.

CONTAINER HANDLING: Do not cut, puncture or weld on empty drum because it may contain explosive or harmful vapors.

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6. ACCIDENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Small Spills: Soak up with absorbent material.  
Large Spills: Eliminate all sources of ignition. Vapors are heavier than air and may spread long distances or collect in low spots. Dike area to prevent runoff, recover liquid and soak up remaining liquid with absorbent material.

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7. HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Ground all equipment pumping the product. Protect from static electrical sparks or other ignition sources. Store away from strong oxidizers.

Do not store at temperatures above 110 deg. F to avoid vapor pressure in closed containers. Keep containers closed when not in use.

OTHER PRECAUTIONS: None known

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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RESPIRATORY PROTECTION: Good industrial hygiene practices recommend that engineering controls (such as local and/or mechanical ventilation) be used to reduce environmental concentrations to the permissible exposure level. Respirators may be used when engineering and work practice controls are not technically feasible, when such controls are in the process of being installed, or when they fail and need to be supplemented. If the use of a respirator is necessary use only a MSHA/NIOSH approved air supplied respirator or an air-purifying respirator.

PROTECTIVE GLOVES: Impervious gloves (such as neoprene, polyvinyl alcohol, NBR nitrile).

EYE PROTECTION: Safety glasses with side shields or chemical goggles.

OTHER PROTECTIVE EQUIPMENT: Appropriate clothing to avoid skin contact.

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9. PHYSICAL AND CHEMICAL PROPERTIES

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BOILING POINT (deg.F) (Initial):	284
SPECIFIC GRAVITY:	0.87
VAPOR PRESSURE (mm Hg):	10 (naphtha)
VAPOR DENSITY (air=1)	> 1
PERCENT VOLATILE BY WEIGHT:	90-99
EVAPORATION RATE (ETHER=1)	< 1
SOLUBILITY IN WATER:	Insoluble
pH:	Not applicable
APPEARANCE AND ODOR:	Clear fluid; solvent odor

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10. STABILITY AND REACTIVITY

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STABILITY: Stable  
CONDITIONS TO AVOID: None known

INCOMPATIBILITY: Store away from strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrocarbon decomposition products and formaldehyde at elevated temperatures

HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS TO AVOID: None known

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11. DISPOSAL CONSIDERATIONS

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Dispose of in accordance with local, state and federal regulations.

RCRA HAZARDOUS WASTE DESIGNATION: This product does fall under current EPA RCRA definitions of hazardous waste with designation: D001 because of its ignitability if the product is disposed of in its original form and F003 - XYLENE

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12. **TRANSPORTATION INFORMATION**

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PROPER SHIPPING NAME: RESIN SOLUTION  
HAZARD CLASS: 3  
HAZARD ID NUMBER: UN1866 PG III

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13. **REGULATORY INFORMATION**

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OCCUPATIONAL SAFETY And HEALTH ADMINISTRATION (OSHA)  
29 CFR 1910.1200 Hazardous Chemical: YES

SUPERFUND AMENDMENTS And REAUTHORIZATION ACT OF 1986 (SARA)  
Section 302, Extremely Hazardous Substance: NO  
Section 311, Hazardous Chemical: YES  
Hazard categories: Fire - YES, Reactivity - NO  
Sudden release of pressure - NO, Immediate - YES, Delayed - YES

TOXIC SUBSTANCE CONTROL ACT (TSCA)  
This product is a mixture and is not listed in the TSCA Inventory. The individual ingredients in the product are listed in the inventory.

CERCLA (Superfund) REPORTABLE QUANTITY: This product contains CERCLA reportable chemicals: o-XYLENE, RQ = 1493 LBS.

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APPROVAL: ISSUED: 02/04/04 REVIEWED: 03/01/07

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**DISCLAIMER**

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