

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

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: LUSIN CLEAN L 21  
MANUFACTURER'S NAME: CHEM-TREND LIMITED PARTNERSHIP  
ADDRESS: 1445 W. MCPHERSON PARK DR.  
HOWELL, MI 48844-0860  
CHEMICAL FAMILY: Cleaner

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>INGREDIENT (S)</u>	<u>CONC.</u>	<u>CAS NUMBER</u>
1. N-METHYL-2-PYRROLIDONE*	65-75%	872-50-4
2. ACETONE*	25-35%	67-64-1

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

**EXPOSURE LIMITS**

<u>INGREDIENT</u>	<u>OSHA TWA</u>	<u>ACGIH TLV</u>	<u>STEL</u>	<u>UNITS</u>	<u>NOTES</u>
2.	1000.000	500.000		PPM	

**3. HAZARDS IDENTIFICATION**

LISTED CARCINOGENS (NTP, IARC OR OSHA): NONE

ROUTES OF EXPOSURE AND ACUTE EFFECTS:

Skin Contact: Prolonged or repeated contact can cause redness, swelling and cracking.  
Eye Contact: Vapors slightly uncomfortable. Splashes irritating. Will cause painful burning or stinging of eyes and lids, watering of eyes and inflammation of conjunctiva.  
Inhalation: No effects of exposure expected. In very high concentrations only - headache, giddiness, mental confusion, and nausea.  
Ingestion: May cause irritation of the gastrointestinal (digestive) track, nausea, vomiting and diarrhea.  
CHRONIC EFFECTS: A review of literature does not show obvious long-term hazard.

**OTHER HAZARDS:**

In animal studies in rats and mice, N-methylpyrrolidone (NMP) was embryotoxic by the oral and intraperitoneal routes at very high dose levels which were close to the LD(50). In a dermal exposure study with rats, NMP was only embryotoxic at high dose levels; this effect was attributed to maternal toxicity. Several inhalation studies in rats did not reveal any indication of maternal toxicity or embryotoxicity.



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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):	> 392
SPECIFIC GRAVITY:	0.90
VAPOR PRESSURE (mm Hg):	0.30 hPA at 68F
VAPOR DENSITY (air=1)	No data available
PERCENT VOLATILE BY WEIGHT:	100
EVAPORATION RATE	No data available
SOLUBILITY IN WATER:	Partially miscible
pH:	Not applicable
APPEARANCE AND ODOR:	Clear colorless fluid: product specific 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 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 - ACETONE

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**12. TRANSPORTATION INFORMATION**

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PROPER SHIPPING NAME: ACETONE, SOLUTION  
HAZARD CLASS: 3  
HAZARD ID NUMBER: UN1090 PG II

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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: ACETONE, RQ = 5000 LBS.

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APPROVAL: ISSUED: 08/08/05 REVIEWED: 08/08/05

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**DISCLAIMER**

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