

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION.**

**Rycoline Products LLC**  
 5540 Northwest Highway  
 Chicago, IL 60630  
 773/775-6755  
 CHEMICAL EMERGENCY HOTLINE 800-424-9300

ITEM NUMBER: 23-01200-EA  
 ITEM DESCRIPTION: **Rogersol LV-120 Smash-Up (4 oz btl)**  
 PRODUCT DESCRIPTION: Solvent  
 CHEMICAL FAMILY: Petroleum Hydrocarbon  
 REVISION DATE: 10/12/00

**SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS**

<u>COMPONENT/CAS #</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>% WT</u>	<u>NOTES</u>
CYCLOHEXANOL				
108-93-0	50 PPM TWA	50 PPM TWA	20-25	SARA Rep.
1-METHYL-2-PYRROLIDONE				
872-50-4	N/E	N/E	10-15	SARA Rep.
METHYL N-AMYL KETONE				
110-43-0	50 PPM	100 PPM	60-65	

HAZARDOUS IDENTIFICATION CODE:

NFPA RATING: HEALTH: 2	HMIS RATING: HEALTH: 2
FLAMMABILITY: 2	FLAMMABILITY: 2
REACTIVITY: 0	REACTIVITY: 0

SCALE: 0 = no hazard, 1 = minimal, 2 = moderate, 3 = high, 4 = extreme

HMIS - HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

NFPA - NATIONAL FIRE PROTECTION ASSOCIATION

PERSONAL PROTECTION RATING TO BE SUPPLIED BY USER DEPENDING ON USE CONDITIONS.

**SECTION 3 - PHYSICAL CHEMICAL PROPERTIES**

FLASH POINT; Method, T.C.C.(deg. F): 101

APPEARANCE AND ODOR: Soft hazy gel, strong odor

pH: Not applicable

SPECIFIC GRAVITY(water = 1.00): 0.850

VAPOR PRESSURE (mmHG @ 68 deg. F): 0.89

VAPOR DENSITY: Not available

ODOR THRESHOLD: Not available

BOILING POINT: Not available

MELTING/FREEZING POINT: Not available

Coefficient of oil/water distribution: Not available

SOLUBILITY IN WATER: Insoluble

EVAPORATION RATE (n-butyl acetate = 1.00): Not available

PERCENT VOLATILITY BY WEIGHT (including water): 98.5

VOC (Lbs./gal): 6.49 (97.8%)

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**SECTION 4 - HEALTH HAZARDS INFORMATION**

PRIMARY ROUTE(S) OF EXPOSURE: eyes, skin and inhalation  
 EYE CONTACT: Product may cause the following: moderate irritation on contact, vapors may also be irritating.  
 SKIN CONTACT: Product may cause the following: Depending on the duration of skin contact, skin overexposure may cause reddening and mild irritation.  
 SKIN ABSORPTION: This product is not expected to be absorbed through the skin.  
 INHALATION: Product may cause the following: Irritating to the nose and throat.  
 INGESTION: Product may cause the following: Irritating to the digestive tract and may cause headaches, central nervous system depression and nausea.  
 CHRONIC EFFECTS OF OVEREXPOSURE: Repeated skin contact may cause dryness and mild irritation.  
 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: May aggravate preexisting skin and lung disorders.  
 OTHER INFORMATION: TARGET ORGANS: Eyes, Skin, Respiratory system, Liver, Kidneys. Gastrointestinal tract. Prolonged and repeated overexposure to this product may cause central nervous system depression, headaches and nausea. Keep away from foodstuffs. Wash hands prior to food contact.

CARCINOGEN SUSPECT: The components of this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC

California Safe Drinking Water and Toxic Enforcement Act 1986(Proposition 65):  
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WARNING: This product contains chemical(s) known to the State of California to cause cancer and reproductive harm.

Cyclohexanol - reproductive toxicity

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**SECTION 5 - ACCIDENTAL RELEASE INFORMATION**

1. Remove all ignition sources.
2. Ventilate area of spill or leak.
3. For small quantities, absorb on paper towels. Evaporate in a safe place (such a fume hood). Allow sufficient time for evaporating vapors to completely clear the hood and ductwork. Burn the papers in a suitable location away from combustible materials. Petroleum distillates should not be allowed to enter a confined space, such as a sewer, because of the possibility of an explosion.

If spill of any amount is made into or upon navigable waters, the contiguous zone, or adjoining shorelines, notify the National Response Center at 800-424-8802. If spill in excess of the EPA reportable quantity is released off-site to air, water or land, immediately notify the National Response Center.

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### SECTION 6 - FIRST-AID PROCEDURES

**EYE CONTACT:** Immediately flush with water for at least 15 minutes. Remove contact lenses. Get medical attention.

**SKIN CONTACT:** Remove all contaminated clothing. Wash skin with soap and water. Get medical attention if indicated.

**INHALATION:** Remove victim to fresh air. Give artificial respiration or oxygen if needed. Get medical attention if indicated.

**INGESTION:** If this product is swallowed, call a physician or poison control center immediately. For quick response, the individual should drink milk or large quantities of water. Only induce vomiting as directed by medical personnel. NEVER give anything by mouth to an unconscious person.

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### SECTION 7 - FIRE AND EXPLOSION INFORMATION

**AUTOIGNITION TEMP:** unknown

**EXPLOSIVE LIMITS IN AIR:** unknown

**EXTINGUISHING AGENTS:** Use the following media when fighting fires: water spray, CO<sub>2</sub>, dry chemical, foam.

**SPECIAL FIRE FIGHTING INSTRUCTIONS:** Use self-contained breathing apparatus and protective clothing. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Isolate fire area and deny unnecessary entry. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Do not use direct water stream, may spread fire. Do not flame cut, weld or saw empty containers.

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### SECTION 8 - REACTIVITY INFORMATION

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Heat, sparks and open flames

**INCOMPATIBILITY (Materials to avoid):** Strong oxidizing and reducing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon upon combustion.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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### SECTION 9 - HANDLING & STORAGE PROCEDURES

**EYE PROTECTION:** Chemical safety splash goggles.

**SKIN PROTECTION:** Neoprene or natural rubber gloves should be worn.

**VENTILATION REQUIREMENTS:** General mechanical ventilation of area is recommended.

**RESPIRATORY PROTECTION:** NIOSH recommended if above TLV.

**STORAGE PRECAUTIONS:** Protect against physical damage to containers. Store in a cool, well ventilated area. Keep away from heat and oxidizing materials. Keep out of the reach of children. For industrial use only.

**OTHER:** Safety shower and eye wash should be available.

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### SECTION 10 - SPILL AND DISPOSAL INFORMATION

**LARGE SPILLS:** Contain spill and pump to suitable container. Wash area with suitable detergent and water. Thoroughly rinse area with water.

**SMALL SPILLS:** Use absorbent material to collect spill and put in appropriate container for disposal. Wash area with suitable detergent and water. Thoroughly rinse area with water.

**DISPOSAL METHOD:** Use appropriate container and dispose in an approved, licensed site facility. **NOTE:** Dispose of all wastes in accordance with federal, state and local regulations.

**IN CASE OF EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC 1-800-424-9300.**

### SECTION 11 - TOXICOLOGY INFORMATION

	LD50 Rat, oral	LC50 Rat, inh.
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Cyclohexanol	2060 mg/kg	Unknown
	LD50 Rat, oral	LC50 Rat, inh.
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Methyl n-Amyl Ketone	1600 mg/kg	2000-4000 ppm/4 hrs
	LD50 Rat, oral	LC50 Rat, inh.
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1-Methyl-2-pyrrolidone	3.5 mg/kg	>5.2 mg/L

### SECTION 12 - ECOLOGY INFORMATION

ALL WORK PRACTICES SHOULD BE AIMED AT PREVENTING ANY RELEASE TO THE ENVIRONMENT.

**ENVIRONMENTAL STABILITY:** All components of this product are stable in the environment. The solvents in this product may show significant environmental stability by absorption to soil.

**EFFECT OF MATERIAL ON PLANTS OR ANIMALS:** Impact on plants or animals will be the result of exposure to the solvent components. Plants may be stressed as a result of a large release to the environment. The following aquatic toxicity information as available for the components of this product.

**EFFECT OF CHEMICAL ON AQUATIC LIFE:** No specific information is available on the effect of this product on aquatic life. The solvent components may cause significant harm to aquatic life, if released to bodies of water in large volume.

### SECTION 13 - REGULATORY INFORMATION

**Chemical Control Law Status:** All components of this product are listed or are excluded from listing on the U.S. Toxic Substance Control Act (TSCA) chemical substance inventory.

**CANADIAN DSL/NDSL INVENTORY STATUS:** The components of this product are listed or are excluded from listing on the DSL/NDSL Inventory.

This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) as prescribed by Canadian (WHMIS) regulations.

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U.S. SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting requirements of Sections 302, 304, 311, 312 and 313 of Title III of the Superfund Amendments and Reauthorization Act and are listed as follows:

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CHEMICAL NAME	SARA 302 (40CFR355)	SARA 311/312 (40CFR355)	SARA 313 (40CFR372)
Cyclohexanol	No	Yes	Yes
Methyl n-Amyl Ketone	No	Yes	No
1-Methyl-2-Pyrrolidone	No	Yes	Yes

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**SECTION 14 - TRANSPORTATION INFORMATION**

US / DOMESTIC SHIPMENTS

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 DOT SHIPPING NAME: Compounds Cleaning Liquid, N.O.S.  
 HAZARDOUS CONTENTS: (Contains Petroleum Distillates)  
 DOT HAZARD CLASS: 3  
 ID NUMBER: NA 1993  
 PACKAGING TYPE: PG II

The exception for combustible liquids are applicable to none bulk shipments [under 450L (119 gal.)], unless the shipment is via vessel or aircraft. Refer to 49 CFR 173.150 for additional information.

MARINE POLLUTANT: This product does not contain any components which are designed by the Department of Transportation to be marine pollutants per 49 CFR 172.101, Appendix B.

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INTERNATIONAL SHIPMENTS

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 DOT SHIPPING NAME: Petroleum Distillates, n.o.s.  
 HAZARDOUS CONTENTS: (Contains Petroleum Distillates)  
 DOT HAZARD CLASS: 3, FLAMMABLE LIQUID  
 UN/ID NUMBER: UN 1993  
 PACKAGING GROUP: PG II

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**SECTION 15 - ADDITIONAL INFORMATION**

EPA: COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT.  
 UNDER CERCLA (SUPERFUND), RELEASES TO AIR, LAND OR WATER MAY BE REPORTABLE TO THE NATIONAL RESPONSE CENTER (NRC), (800)424-8802.  
 Circumstances surrounding the release and cleanup determine reportability.

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**SECTION 16 - END OF DOCUMENT**

END OF DOCUMENT

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NOTE: This MSDS supercedes all previously dated MSDS for this product.

DISCLAIMER: The information in this document is believed to be correct as of the date issued. However, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product, or the hazards related to its use.

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