



## MATERIAL SAFETY DATA SHEET

*For Spraylat Liquid Coatings and Associated Liquid Materials*

1701 East 122nd Street  
Chicago, IL 60633  
(773) 646-5900  
Fax: (773) 646-3743

716 South Columbus Avenue  
Mount Vernon, NY 10550  
(914) 699-3030  
Fax: (914) 699-3035

3465 South La Cienega Blvd.  
Los Angeles, CA 90016  
(310) 559-2335  
Fax: (310) 836-6094

3333 North Interstate 35  
Gainesville, TX 76240  
(940) 665-9590  
Fax: (940) 665-8867

e-mail [HSEcoordinator@Spraylat.com](mailto:HSEcoordinator@Spraylat.com)

PREPARED BY : Health, Safety and Environmental Coordinator

**EMERGENCY PHONE:**

1-800-424-9300

Chemtrec

**INTERNATIONAL TRANSPORTATION ACCIDENTS:**

1-703-527-3887

Chemtrec

### I. CHEMICAL PRODUCT IDENTIFICATION

Product Name : **MS-002 Additive/Reducer**

Date Printed : 03/28/02

Revision Date : 08/28/01

Revision Number : 1

Supersedes : None

### II. COMPOSITION/INFORMATION ON INGREDIENTS - (EXPOSURE LIMITS - SEE SECTION VIII)

| INGREDIENT NAME      | CAS #    | %              |
|----------------------|----------|----------------|
| Methyl n-amyl ketone | 110-43-0 | 75.01 - 100.00 |

If ingredient percentages do not total 100%, the balance is due to rounding or applies to ingredient(s) deemed nonhazardous under 29 CFR 1910.1200 (Hazard Communication Standard).

### III. HAZARDS IDENTIFICATION

|                     | HMIS |
|---------------------|------|
| <b>HEALTH</b>       | 1    |
| <b>FLAMMABILITY</b> | 2    |
| <b>REACTIVITY</b>   | 0    |

0 = Least 1 = Slight 2 = Moderate 3 = High 4 = Extreme \* = Chronic Health Effects

**Routes of Entry:**

Eye contact, Absorption, Inhalation.

**Medical Conditions Aggravated:**

Eye disease, Skin disease including eczema and sensitization, Kidney disease, Liver disease.

#### Immediate (Acute) Health Effects:

**Inhalation:**

Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

**Skin Contact:**

Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

**Eye Contact:**

Can cause minor irritation, tearing and reddening. Irritating but will not permanently injure eye tissue.

**Skin Absorption:**

May cause irritation and minor systemic damage. Can be absorbed through the skin but exposure must be extensive before adverse health effects occur.

**Ingestion:**

Can cause abdominal discomfort, nausea, vomiting and diarrhea.

**Target Organ Acute Toxicity:**

Eyes, Skin, CNS, Respiratory System, PNS, Kidneys, Liver.

**Long-Term (Chronic) Health Effects:**

**Inhalation:** Upon prolonged and/or repeated exposure, can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache. Prolonged or repeated inhalation may cause lung damage.

**Skin Contact:** Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

**Eye Contact:** Upon prolonged or repeated contact, can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

**Skin Absorption:** Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause minor systemic damage.

**Carcinogenicity:** IARC: No                      NTP: No                      OSHA: No

**Target Organ Chronic Toxicity:** Eyes, Skin, CNS, Respiratory System, PNS, Kidneys, Liver.

NOTICE - Reports have associated repeated and prolonged occupational overexposure to solvents with brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**IV. FIRST AID**

**Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. Seek medical attention if symptoms persist. Get medical attention immediately.

**Eyes:** Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.

**Skin Contact:** Wash with soap and water. Get medical attention if irritation develops or persists. As a good general hygienic rule, if clothing comes in contact with the product, the clothing should be laundered before re-use.

**Ingestion:** Seek medical advice immediately. Provide ingredients information from Section II of this MSDS to the medical care provider. Contact your local Poison Control Center (listed in the telephone book), or dial the local "Emergency" (911) number for additional information. Do not induce vomiting unless instructed to do so by a physician or other competent medical personnel. Never give anything by mouth to an unconscious person.

**V. FIRE FIGHTING MEASURES**

|                                     |                    |        |
|-------------------------------------|--------------------|--------|
| <b><u>Flammability Summary:</u></b> | <b>Combustible</b> |        |
| <b>Flash Point:</b>                 | 39 °C;             | 102 °F |
| <b>Autoignition Temperature:</b>    | 393 °C;            | 739 °F |

**Fire Hazards:** Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.

**Extinguishing Media:** Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

**Fire Fighting Instructions:** Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

**Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide.

**VI. ACCIDENTAL RELEASE MEASURES**

**Health Consideration for Spill Response:** Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including: the material spilled, the quantity of the spill, and the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Persons not wearing appropriate protective equipment should be excluded from area of spill until clean-up has been completed.

**Spill Mitigation Procedures:**

- General Methods:** Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Ensure clean-up measures are in compliance with OSHA (29 CFR 1910.120).
- Air Release:** Ventilate the area by opening door and/or turning on fans and blowers.
- Water Release:** Retain all contaminated water for treatment.
- Land Spills:** Avoid runoff into storm sewers and ditches that lead to waterways.

**VII. HANDLING AND STORAGE**

- Handling:** Harmful or irritating; avoid overexposure to the material. Use only in a well ventilated area. Wash hands before eating.
- Storage:** Store in a cool dry place. Isolate from incompatible materials. Keep away from sources of ignition.

**VIII. ENGINEERING CONTROLS, PERSONAL PROTECTIVE EQUIPMENT, AND EXPOSURE LIMITS**

- Engineering Controls:** Local exhaust ventilation, process enclosures, or other engineering controls are necessary when handling or using this product to avoid overexposure. Vapor concentrations should be monitored and controlled in accordance with 29 CFR 1910.1000.
- Protective Equipment:**
- Respiratory Tract:** If general or local exhaust ventilation is not available or sufficient to reduce exposure to below acceptable levels, then respiratory protection is required to avoid overexposure when handling this product. Wear a NIOSH approved respirator if levels above the exposure limits are possible.
- Eyes:** Wear safety glasses when handling this product. An eye wash station must be available where this product is used.
- Skin:** Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
- Protective Clothing:** Wear chemically resistant gloves and apron. (Consult your safety equipment supplier).

| CHEMICAL NAME        | CAS #    | ACGIH TLV  | OSHA PEL                   | IDLH         |
|----------------------|----------|------------|----------------------------|--------------|
| Methyl n-amyl ketone | 110-43-0 | 50 ppm TWA | 100 ppm TWA; 465 mg/m3 TWA | 800 ppm IDLH |

**IX. PHYSICAL DATA**

- Appearance:** Colorless Liquid.
- Color:** Colorless
- Odor:** Ketone
- pH:** N/A
- Octanol/Water Coeff:** Not Determined.
- Solubility in Water:** Negligible.
- Vapor Density:** Heavier than air. Vapors that evolve from this product will tend to settle and accumulate near the floor.
- Evaporation Rate:** Slower than n-Butyl Acetate.
- Specific Gravity/Density:** 0.817 / 6.82 Lbs./G1.
- V.O.C.** 6.8 Lbs/G1 less water & exempt solvent; 816 g/l less water & exempt solvent; 6.8 Lbs/G1 as packed

The VOC content is determined by using a percent solids basis, less water and exempt solvents, for adhesives, coatings and inks and the calculations of EPA Reference Method 24 or equivalent ASTM method approved by the executive office.

- Initial Boiling Point:** 152 °C; 306 °F
- Initial Freezing Point:** N/A

**X. STABILITY AND REACTIVITY**

|  |   |
|--|---|
| <b>Stability Information:</b>            | Stable under normal conditions.   |
| <b>Conditions to Avoid:</b>              | Temperatures above flash point in combination with sparks, open flames, or other sources of ignition. |
| <b>Chemical Incompatibility:</b>         | Strong oxidizing agents.  |
| <b>Hazardous Decomposition Products:</b> | Carbon dioxide, Carbon monoxide.  |

**XI. TOXICOLOGICAL INFORMATION**

|                      |   |
|----------------------|---|
| <b>Chemical Name</b> | <b>LD50/LC50</b>  |
| 2-Heptanone          | Oral LD50 Rat : 1670 mg/kg; Oral LD50 Mouse : 730 mg/kg; Dermal LD50 Rabbit : 12600 uL/kg |

**XII. ECOLOGICAL INFORMATION**

**Overview:** Care should be taken to minimize releases of any industrial chemicals to the environment.

**XIII. DISPOSAL CONSIDERATIONS**

**Waste Description for Spent Product:** Spent or discarded material is a hazardous waste.

**Disposal Methods:** Information in this MSDS is provided only as a guide. Consult with competent authority to determine proper waste disposal procedures. Clean up and dispose of waste and clean-up materials in accordance with all federal, state, and local environmental regulations.

**Potential EPA Waste Codes:** D001, .

**Some Components Possibly Subjected to USEPA Land Disposal Restrictions:**

When disposing of unused products or any waste, the preferred options are to send to a licensed reclaimer or to permitted incinerators. There may be some other ingredients subject to LDR categories. None expected.

**XIV. TRANSPORTATION INFORMATION**

**Agency Basic Description and Label**  
**DOT** Paint Related Material, 3, UN1263, PG III

**Hazardous Substance**  
None expected.

**XV. REGULATORY INFORMATION****Regulation**

**SARA 313 Reportable :** This product contains no Section 313 chemicals at or above de minimis values.

**TSCA Inventory :** All components of this product are listed in, or exempt from, the TSCA 8(b) Inventory.

**California Proposition 65 :** The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986 - Proposition 65: "WARNING: This product contains chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm."

**XVI. ADDITIONAL INFORMATION**

**Major References:** VENDOR'S MSDS's, PAINT & COATINGS HANDBOOK, EPA'S LIST OF LISTS, AND OTHER PUBLISHED MATERIALS.

**IMPORTANT:** WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, THEY ARE PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED, DATA OR INFORMATION SET FORTH. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, THE DESCRIPTIONS, DATA AND INFORMATION FURNISHED HERE ARE GIVEN GRATIS. NO OBLIGATIONS NOR LIABILITIES FOR THE DESCRIPTION, DATA AND INFORMATION GIVEN ARE ASSUMED. ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.