

MATERIAL SAFETY DATA SHEET

I. IDENTIFICATION

Product Name: OPTIMA HC
Chemical Name: Drycleaning Detergent
Cas Number: MIXTURE
Emergency Telephone Number: (618) 524-9394

II. COMPONENTS AND HAZARD INFORMATION

<u>Component</u>	<u>CAS NO. of Component</u>	<u>TLV of Component</u>	<u>OSHA Pel</u>	<u>Approximate Concentration</u>
Butyl Cellosolve	111-76-2	25 ppm	25 ppm	10.00%
Mineral Spirits	64742-88-7	100 ppm	100 ppm	40.00%

DOT Hazard Classification: Combustible Liquid NOS (contains petroleum distillates), NA 1993, III
Hazardous Materials Identification System (HMIS)
Health: 1 Flammability: 2 Reactivity: 0 BASIS
TLV for Total Product: Not Determined Recommended by Laidlaw
BASIS
Calculated TLV REF ACGIH

III. PHYSICAL DATA

Boiling Point: >250° F Vapor Density: Not determined
Vapor Pressure: Not Determined Percent Volatiles: Not Determined.
Specific Gravity: 0.91 Evaporation Rate: <1.0 (Butyl Acetate=1.0)

IV. FIRE AND EXPLOSION DATA

Flash Point (°F TCC): 142° F
Extinguishing Media: Class B & C dry chemical extinguisher.

Special Firefighting Procedure: Self contained breathing apparatus with full facepiece operated in pressure mode.

Unusual Fire & Explosion Hazards: Vapors can be ignited by high energy source or other ignition sources at location distant from the handling point.

National Fire Protection Association (NFPA -) Hazard Identification
Health: 1 Flammability: 2 Reactivity: 0 BASIS
Recommended by Laidlaw

V. HEALTH HAZARD DATA

Effects of Overexposure:
Eyes: Can cause severe irritation.
Skin: Prolonged or repeated contact may cause moderate irritation.
Breathing: Excessive breathing of vapors can cause irritaion to nose, throat, and respiratory track.
Swallowing: Can cause nausea, diarrhea, and gastrointestinal irritation. Aspiration of material into lungs can cause pneumonitis, which can be fatal.

OPTIMA HC

First Aid Procedures:

Swallowing: Do not induce vomiting. If it occurs, keep head below hips. Seek medical attention.

Skin: Wash exposed area with soap and water.

Inhalation: Remove to fresh air; if breathing is difficult administer oxygen.

Eyes: Flush with water for at least 15 minutes. If irritation persists, consult a physician.

Health studies have shown that health risks vary from person to person. As a precaution exposure to liquids, vapors, misty fumes or dust should be minimized.

VI. REACTIVITY DATA

Hazardous Polymerization: Cannot occur.
Stability: Stable.
Incompatibility: Avoid strong oxidizing agents, heat, and flame.
Hazardous Decomposition Products: May form toxic hydrocarbons at high temperatures.

VII. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:

Absorb on paper or other absorbent material and dispose of in accordance with local, state, and federal regulations.

Keep out of water supply and sewer system. Dispose of in a permitted waste management facility.

VIII. PROTECTION AND PRECAUTIONS

Respiratory Protection: Use approved organic vapor respirator if exposure may or does exceed the TLV limit.

Ventilation : Provide sufficient ventilation to maintain exposure below TLV.

Protective Gloves: Use chemical resistant gloves.

Eye Protection : Splash goggles or face shield if eye contact is likely to occur.

Other Protective Equipment: Eye wash station, shower.

IX. PRECAUTIONS OR OTHER COMMENTS

Precautions to be taken in handling and storing: Maintain good housekeeping. Avoid contact with eyes. Wash thoroughly after handling. Use with adequate ventilation. Store in a cool dry area away from heat and flames. Avoid vapors.

The information and recommendations accumulated herein are to be the best of Laidlaw's knowledge and belief, accurate and reliable as of the date issued. Laidlaw does not warrant or guarantee their accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof.

HMIS and NFPA recommended ratings are based upon the criteria supplied by the developers of these systems together with Laidlaw's interpretation of the available data.