



MATERIAL SAFETY DATA SHEET

LABORATORIES

320 37th Avenue • St. Charles, Illinois 60174 • To Reorder, Call 800-323-2594

PRODUCT IDENTIFICATION
UNITED 139

USE / DESCRIPTION
Aerosol Dry Spray
Lubricant and Release Agent

REVISION DATE
March 17, 2003

FOR MEDICAL AND
TRANSPORTATION EMERGENCIES:
INFOTRAC: 800-535-5053

HEALTH (0 = Maximum Safety) **2**
Always follow Label Directions and Cautions.
4 Extreme. 3 High. 2 Moderate. 1 Slight. 0 Minimal.
See Health Hazard Data Section of this M.S.D.S. for more detailed information.

REACTIVITY (0 = Maximum Safety) **1**
Susceptible to Release of Energy.
4 May detonate-vacate area if Materials are exposed to fire.
3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers.
2 Violent chemical change possible-use hose stream from distance
1 Unstable if heated-use precaution.
0 Normally stable.

FLAMMABILITY (0 = Maximum Safety) **3**
Susceptibility of Material to Burning.
4 Extremely flammable. 1 Must be preheated to burn.
3 Ignites at normal temperature. 0 Will not burn.
2 Ignites when moderately heated.

PERSONAL PROTECTION



**HAZARDOUS COMPONENTS
IDENTITY, EXPOSURE LIMITS AND S.A.R.A. TITLE III INFORMATION**

| HAZARDOUS COMPONENTS | CAS NUMBER | ACGIH TWA | ACGIH STEL | OSHA PEL | OTHER RECOMMENDED LIMITS | S.A.R.A. TITLE III QUANTITIES |
|---------------------------|------------|------------------------------------|-----------------|------------------------------------|--|-------------------------------|
| Isoparaffinic hydrocarbon | 64741-66-8 | 400 ppm | Not established | 400 ppm | None | None |
| Polytetrafluoroethylene | 9002-84-0 | 10 mg/m ³ (inert dust) | Not established | 10 mg/m ³ (inert dust) | None | None |
| Liquified petroleum gas | 68476-85-7 | 1000 ppm 1800 mg/m ³ | Not established | 1000 ppm 1800 mg/m ³ | NIOSH TWA 1000 ppm 1800 mg/m ³ | None |

PHYSICAL / CHEMICAL CHARACTERISTICS

| | |
|--|---|
| BOILING POINT Approximately 200°F | SPECIFIC GRAVITY (H:0 = 1) 0.761 |
| VAPOR PRESSURE (psig) (At 70° F.) 45 | MELTING POINT Not determined |
| VAPOR DENSITY (Air = 1) Greater than 1 | EVAPORATION RATE (Butyl Acetate = 1) Not determined |
| SOLUBILITY IN WATER Slight | VOLATILE ORGANIC COMPOUNDS (V.O.C.) (Pounds Per Can Of Product) 0.594 |
| APPEARANCE AND ODOR Clear liquid with solvent odor | pH: Not applicable |

FIRE AND EXPLOSION HAZARD DATA

| | | | |
|---|---|------------------------------|------------------------------|
| FLASH POINT (Method Used) Concentrate 40°C (TOC) Extremely flammable as per USA Flame Projection Test | FLAMMABLE LIMITS Not determined | LEL Not determined | UEL Not determined |
|---|---|------------------------------|------------------------------|

EXTINGUISHING MEDIA
Dry chemicals, carbon dioxide, foam

SPECIAL FIRE FIGHTING PROCEDURES
Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Keep containers cool. Use equipment or shielding required to protect personnel against bursting, rupturing or venting containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Temperatures greater than 120°F may result in cans rupturing, venting, and exploding.

REACTIVITY DATA

STABILITY:STABLE
UNSTABLE **CONDITIONS TO AVOID**

Do not expose to temperatures above 120°F.

INCOMPATIBILITY (Materials To Avoid)

Avoid contact with oxidizers.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Oxides of carbon

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
MAY OCCUR **CONDITIONS TO AVOID**

None known

HEALTH HAZARD DATA

HEALTH HAZARDS

EYES: May cause slight irritation but does not injure eye tissue SKIN: Frequent or prolonged contact may cause irritation.

INHALATION: Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea, and other central nervous system effects. IF SWALLOWED: Can cause gastrointestinal irritation, nausea,

vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis. Minimal toxicity.

CARCINOGENICITY:

NTP? No

IARC MONOGRAPHS? No

OSHA REGULATED? No

This product contains a chemical known to the state of California to cause cancer or reproductive toxicity? No

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation SKIN: Irritation INHALATION: Dizziness, nausea, CNS effects IF SWALLOWED: Gastrointestinal irritation, nausea, vomiting, diarrhea

TARGET ORGANS

Respiratory system

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE

Chronic overexposure may cause liver, kidney or lung disease, anemia, coronary disease or rhythm disorders of the heart.

EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush with plenty of water for at least 15 minutes. Call a physician or poison center. SKIN: Wash with soap and water and remove contaminated clothing.

If irritation persists, call a physician or poison center. INHALATION: Remove to fresh air immediately. Apply CPR as needed. Call a physician or poison center immediately. IF SWALLOWED: DO NOT induce vomiting. Aspiration of material into lungs may cause chemical pneumonitis.

Call a physician or poison center immediately.

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. Keep sparks, heat sources and open flame far away from spill or leak.

Cover with absorbent material and sweep up. Wash area to prevent slipping.

WASTE DISPOSAL METHOD

Do not puncture or incinerate containers. Consult local, state, and federal authorities for proper disposal guidelines.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Do not store above 120°F as cans may vent, rupture, and burst. Store as NFPA Code 30B Rating: Level 3 Aerosol.

CONTROL MEASURES

FOR USE WHERE SIGNIFICANT EYE, SKIN OR INHALATION EXPOSURE IS LIKELY

RESPIRATORY PROTECTION (Specify Type)

If TLV is exceeded, use NIOSH or MSHA-approved respirator.

VENTILATION:**MECHANICAL (General)**

Provide adequate ventilation

LOCAL EXHAUST

Generally adequate

PROTECTIVE GLOVES

Chemical-resistant gloves

EYE PROTECTION

Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Long sleeves are recommended.

WORK HYGIENIC PRACTICES

Remove contaminated clothing immediately and wash with soap and water before re-using. Wash hands and face with soap and water after using this product.