

UNITED MATERIAL SAFETY DATA SHEET

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

PRODUCT IDENTIFICATION
UNITED 188

USE / DESCRIPTION
AEROSOL ANTI-SEIZE

DATE OF MOST RECENT REVISION
April 28, 1994

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

HEALTH (0 = Maximum Safety)

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.

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REACTIVITY (0 = Maximum Safety)

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.

0

FLAMMABILITY (0 = Maximum Safety)

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.

3

PERSONAL PROTECTION

Recommended.



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 | CA PROP 65 |
|----------------------|---------------------|-----------------------|----------------------|---------------------|--------------------------|-------------------------------|------------|
| Paraffin oil | 64742-53-6 | Not established | Not established | Not established | None | None | No |
| Copper Compound | 7440-50-8 | 0.2 mg/m ³ | Not established | Not established | None | 0.165* | No |
| Perchloroethylene | 127-18-4 | 50 ppm | 200 ppm | 25 ppm | None | .43* | **Yes |
| Propane/Butane Blend | 74-98-6 106-97-8 | Asphyxiant 800 ppm | Not est. Not est. | 1000 ppm 800 ppm | None | None | No |

* Pounds of reportable material per can of UNITED product.

PHYSICAL / CHEMICAL CHARACTERISTICS

| | |
|---|---|
| BOILING POINT 250°F - perchlorethylene. | SPECIFIC GRAVITY (H ₂ O = 1) 1.45 |
| VAPOR PRESSURE (mm Hg.) (At 77° F.) NA | MELTING POINT Not determined. |
| VAPOR DENSITY (Air = 1) Not determined. | EVAPORATION RATE (Butyl Acetate = 1) Not determined. |
| SOLUBILITY IN WATER Negligible. | VOLATILE ORGANIC COMPOUNDS (V.O.C.) (Pounds Per Can Of Product) 0.30 |
| APPEARANCE AND ODOR Grayish-black liquid with strong odor. | pH: Not app. |

FIRE AND EXPLOSION HAZARD DATA

| | | | |
|---|------------------------------------|----------|----------|
| FLASH POINT (Method Used) Not determined. FLAMMABLE SPRAY by Flame Extension Test. | FLAMMABLE LIMITS Not determined | LEL — | UEL — |
|---|------------------------------------|----------|----------|

EXTINGUISHING MEDIA
Foam, dry chemical, carbon dioxide.

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

Wear self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS
At elevated temperatures (above 120°F.), containers may vent, rupture or burst.

REACTIVITY DATA

STABILITY:

STABLE ☒
UNSTABLE ☐

CONDITIONS TO AVOID

Do not expose to temperatures above 120°F.

INCOMPATIBILITY (Materials To Avoid)

Strong alkalis, oxidizers, aluminum and other reactive metals.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Hydrogen chloride, Phosgene (small amount).

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR ☒
MAY OCCUR ☐

CONDITIONS TO AVOID

Do not expose to temperatures above 120°F.

HEALTH HAZARD DATA

HEALTH HAZARDS

May cause moderate irritation, defatting of tissues and skin disease, on repeated or prolonged contact. EYES: May cause severe irritation, redness, tearing and blurred

vision. IF INHALED: Excessive inhalation of vapors can cause respiratory irritation, dizziness, nausea, headaches, unconsciousness. Chronic overexposure may cause liver, kidney or lung disease or rhythmic disorders of the heart. IF SWALLOWED: May cause stomach upset, nausea, vomiting and diarrhea. Aspiration of material into lungs may cause chemical pneumonitis.

CARCINOGENICITY: Perchloroethylene NTP? Yes.

IARC MONOGRAPHS? Yes.

OSHA REGULATED? Yes.

This product contains a chemical known to the state of California to cause cancer or reproductive toxicity? Yes.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

May cause moderate irritation, defatting of tissues and skin disease, on repeated or prolonged contact. EYES: May cause severe irritation, redness, tearing and blurred

vision. IF INHALED: Excessive inhalation of vapors can cause respiratory irritation, dizziness, nausea, headaches, unconsciousness and possible death.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE

Chronic chemical sensitivity, asthma, or emphysema.

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. If irritation persists, call a physician or poison center.

IF INHALED: Remove patient to fresh air immediately. Apply CPR if needed. Call a physician or poison center immediately. IF SWALLOWED: DO NOT INDUCE VOMITING.

Aspiration of materials into lungs, due to vomiting, can 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

Clean up area by mopping with absorbent material like clay or mineral sorbents, and place it in a closed container for disposal.

WASTE DISPOSAL METHOD

Wrap empty can in newspaper and place it in the trash. For unused material, contact local, state, or federal authorities for proper disposal guidelines.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Do not expose to temperatures exceeding 120°F. Store in a cool, well-ventilated area, away from sources of ignition.

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 for organic vapors.

VENTILATION: MECHANICAL (General)

Exhaust fans are recommended.

LOCAL EXHAUST

Recommended.

PROTECTIVE GLOVES

Chemical resistant gloves such as UNITED A392, recommended.

EYE PROTECTION

Chemical splash-type goggles, such as UNITED A393, recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Long sleeved shirts are recommended.

WORK HYGIENIC PRACTICES

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

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