

UNITED MATERIAL SAFETY DATA SHEET

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

PRODUCT IDENTIFICATION
UNITED 107

USE / DESCRIPTION
Aerosol Safety Solvent

DATE OF MOST RECENT REVISION
March 4, 1995

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) **0**
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) **1**
Susceptibility of Material to Burning.

- 4 Extremely flammable.
- 3 Ignites at normal temperature.
- 2 Ignites when moderately heated.
- 1 Must be preheated to burn.
- 0 Will not burn.

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 |
|----------------------|------------|------------------------------------|--|------------------------------------|--|-------------------------------|------------|
| Trichloroethylene | 79-01-6 | 50 ppm 269 mg/m ³ | 100 ppm 537 mg/m ³ | 50 ppm 270 mg/m ³ | OSHA CEIL 200 ppm 270 mg/m ³ | .95 lb* | Yes. |
| Carbon Dioxide | 124-38-9 | 5000 ppm 9000 mg/m ³ | 30,000 ppm 54,000 mg/m ³ | 5000 ppm 9000 mg/m ³ | None | None | No. |

* Pounds of Reportable Material Per Can of UNITED Product.

PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT
Concentrate: 188°F (87°C)

SPECIFIC GRAVITY (H₂O = 1)
Concentrate 1.456

VAPOR PRESSURE (mm Hg.)
(At 130° F) Concentrate 100 ± 5

MELTING POINT
Concentrate -86°C

VAPOR DENSITY (Air = 1)
Concentrate: 4.54

EVAPORATION RATE
(Butyl Acetate = 1) 0.35 on concentrate.

SOLUBILITY IN WATER
Negligible.

VOLATILE ORGANIC COMPOUNDS (V.O.C.)
(Pounds Per Can Of Product)

APPEARANCE AND ODOR
Clear colorless liquid with ether-like odor.

pH:
Not Applicable.

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used)
This product is considered to be non-flammable as described in 16 CFR 1500.45.

FLAMMABLE LIMITS

LEL
8%

UEL
10.5%

EXTINGUISHING MEDIA
Carbon dioxide, dry chemical, foam, sand. Water spray can be used to keep containers cool and reduce vapors.

SPECIAL FIRE FIGHTING PROCEDURES
Wear self-contained breathing apparatus. Keep containers cool.

Use shielding to protect personnel against bursting, rupturing, or venting containers. Prevent runoff from entering sewers and public water courses.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Keep containers cool to avoid containers rupturing, bursting, or venting. Do not expose to temperatures exceeding 120° F.

REACTIVITY DATA

STABILITY: STABLE CONDITIONS TO AVOID
 UNSTABLE Temperatures above 120° F.

INCOMPATIBILITY (Materials To Avoid)
Strong oxidizers, alkalis.

HAZARDOUS DECOMPOSITION OR BY PRODUCTS
Oxides of carbon, phosgene and hydrogen chloride.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR CONDITIONS TO AVOID
 MAY OCCUR None known.

HEALTH HAZARD DATA

HEALTH HAZARDS
EYES AND SKIN: May cause irritation. Avoid prolonged contact with skin. IF INHALED: May cause headache, nausea, upset stomach and possible unconsciousness. IF SWALLOWED: May be harmful.

CARCINOGENICITY: Trichloroethylene 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? Yes.

SIGNS AND SYMPTOMS OF OVEREXPOSURE
IF INHALED: May cause headache, nausea, dizziness, upset stomach, unconsciousness; may cause central nervous system depression if severely over-exposed.

EYES AND SKIN: May cause irritation. Avoid prolonged contact.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE
May cause skin sensitization and respiratory problems on overexposure.

TARGET ORGANS:
Respiratory and central nervous system

EMERGENCY AND FIRST AID PROCEDURES
EYES: Flush with plenty of water for at least 15 minutes. If irritation persists, call a physician or poison center.

SKIN: Wash with soap and water and remove any contaminated clothing. If irritation persists, call a physician.

IF INHALED: Remove patient to fresh air immediately; apply CPR as needed. Call a physician or poison center immediately.

IF SWALLOWED: Do not induce vomiting. Call a physician or poison center immediately.

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Absorb spill with non-combustible absorbent material like clay or mineral sorbents. Do not allow product to enter sewers, water courses or permeate soil.

WASTE DISPOSAL METHOD
Wrap empty containers in newspaper and place it in the trash. For unused material, consult local, federal, or state authorities for proper disposal guidelines.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Store away from heat, sparks, or open flame and direct sunlight. Avoid skin and eye contact. Avoid inhaling vapors. Do not contaminate water, food, feedstuffs or fertilizers by use or storage. Do not puncture or incinerate container. Keep in a cool, dry place, away from the reach of children.

Replace cap when not in use.

CONTROL MEASURES

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

RESPIRATORY PROTECTION (Specify Type)
If TLV is exceeded, use NIOSH/MSHA-approved respirator.

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| VENTILATION: MECHANICAL (General) Exhaust fans are recommended. | LOCAL EXHAUST Recommended. |
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PROTECTIVE GLOVES
Chemical-resistant gloves, such as UNITED A392, are recommended.

EYE PROTECTION Chemical splash type goggles
with side guard, such as UNITED A393, recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT
Shirts with long sleeves are recommended.

WORK HYGENIC PRACTICES
Wash hands and face with soap and water after using this product. Wash contaminated clothing with soap and water before reuse.