

UNITED MATERIAL SAFETY DATA SHEET

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

PRODUCT IDENTIFICATION
UNITED 177
SUNSHINE IN A CAN

USE / DESCRIPTION
SPRAY AND WIPE
DEGREASER-CLEANER

DATE OF MOST RECENT REVISION
September 5, 1996

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

HEALTH (0 = Maximum Safety) **0**
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) **0**
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	CA PROP 65
1,1,1,2-Tetrafluoroethane	811-97-2	Not established	Not established	Not established	None	None	No

PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT Not applicable.	SPECIFIC GRAVITY (H₂O = 1) >1
VAPOR PRESSURE (mm Hg) (At 130° F.) 160	MELTING POINT Not applicable.
VAPOR DENSITY (Air = 1) >1	EVAPORATION RATE (Ether = 1) < 1.0
SOLUBILITY IN WATER Complete.	VOLATILE ORGANIC COMPOUNDS (V.O.C.) (Pounds Per Gallon Of Product)
APPEARANCE AND ODOR Clear semi-stable foam with a clean light botanical scent.	pH: 7-8

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 Not determined.	LEL Not determined.	UEL Not determined.
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EXTINGUISHING MEDIA
Carbon dioxide, foam and/or dry chemical may be used.

SPECIAL FIRE FIGHTING PROCEDURES
Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from bursting,

rupturing or venting containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS
At elevated temperatures (over 54°C-130°F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

REACTIVITY DATA

STABILITY:

STABLE
UNSTABLE

CONDITIONS TO AVOID

INCOMPATIBILITY (Materials To Avoid)

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Hydrofluoric acid, carboxyl fluoride and oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
MAY OCCUR

CONDITIONS TO AVOID Do not store above 54°C-130°F. Keep away from heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.

HEALTH HAZARD DATA

HEALTH HAZARDS

Very slight, although some people may develop a rash or irritation after prolonged skin or eye contact. Swallowing large amounts (more than a few ounces)

may cause nausea, upset stomach and vomiting.

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

May develop a rash or irritation after prolonged skin or eye contact. Swallowing large amounts (more than a few ounces) may cause nausea, upset stomach and vomiting.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE

Pre-existing skin disorders and acute or chronic asthma.

TARGET ORGANS:

Skin and eyes.

EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush with cool water for at least 15 minutes and call a physician or poison center. SKIN: Wash with soap and water. If irritation persists, call a physician or poison center.

IF SWALLOWED: Induce vomiting only under the direction of a physician. Never give anything by mouth to an unconscious person. Call a physician or poison center immediately.

IF MIST IS INHALED: Remove patient to fresh air. If irritation persists call a physician or poison center.

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

If this material is released or spilled, flush it with water to the nearest sewer to drain. This product, when spilled on the floor, may also cause slippery conditions.

WASTE DISPOSAL METHOD

Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled.

Dispose of container in accordance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers.

Do not expose to direct sunlight or store at temperatures above 130°F (54°C). Store as a Level 1 Aerosol (NFPA 30B)

CONTROL MEASURES

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

RESPIRATORY PROTECTION (Specify Type)

Not normally required.

VENTILATION: MECHANICAL (General)

Not normally required.

LOCAL EXHAUST

Normal ventilation is usually adequate.

PROTECTIVE GLOVES

Recommended only for prolonged or repeated exposure to the concentrated product.

EYE PROTECTION

Chemical safety glasses are recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Shirts with long sleeves are recommended.

WORK HYGIENIC PRACTICES

Remove contaminated clothing; wash thoroughly with soap and water before reusing. Wash hands and face with soap and water after using this product.

PAGE (2)

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