

UNITED MATERIAL SAFETY DATA SHEET

LABORATORIES

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

PRODUCT IDENTIFICATION
UNITED 880
SUN SOLV

USE / DESCRIPTION
Universal Solvent

DATE OF MOST RECENT REVISION
August 23, 1993

EMERGENCY TELEPHONE NUMBER
CHEMTREC: 800-424-9300
UNITED: 800-323-2594

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.

1

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.

2

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
d-1, 8(9)-p-menthadiene	5989-27-5	Not established	Not established	Not established	None	None	No

PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT
347°F.

SPECIFIC GRAVITY (H₂O = 1)
0.875

VAPOR PRESSURE (mm Hg.)
(At 77° F.) Approximately 1.0

MELTING POINT
Not determined.

VAPOR DENSITY (Air = 1)
4.7

EVAPORATION RATE
(Butyl Acetate = 1) Less than 1.0

SOLUBILITY IN WATER
Emulsifies in water.

VOLATILE ORGANIC COMPOUNDS (V.O.C.)
(Pounds Per Gallon Of Product) 6.32

APPEARANCE AND ODOR
Clear liquid with pale amber color and citrus odor.

pH:
Not Applicable.

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used)
115 - 125°F. (Tag closed cup)

FLAMMABLE LIMITS

LEL
0.7%

UEL
6.1%

EXTINGUISHING MEDIA
Dry chemical, foam, or carbon dioxide. Do not use water except as a mist or foam, as it may spread the burning liquid.

SPECIAL FIRE FIGHTING PROCEDURES
Follow Class B fire fighting procedures. Use water spray or fog to keep containers cool.

80

UNUSUAL FIRE AND EXPLOSION HAZARDS

Rags soaked with this product may spontaneously ignite; to avoid this danger, used rags should be soaked with water and/or stored in a container full of soapy water. In a fire, closed containers of this product may burst or rupture due to pressure build-up, greatly increasing the fire hazard.

REACTIVITY DATA

STABILITY:

STABLE ☒
UNSTABLE ☐

CONDITIONS TO AVOID
None known.

INCOMPATIBILITY (Materials To Avoid)

Sulfuric acid; other strong mineral acids; any strong oxidizing agent, such as bleach or swimming pool chlorine.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

When ignited, as in a fire, this product produces carbon monoxide and carbon dioxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR ☒
MAY OCCUR ☐

CONDITIONS TO AVOID
None known.

HEALTH HAZARD DATA

HEALTH HAZARDS

Some people may develop a rash or allergic reaction after prolonged skin 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.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Swallowing large amounts (more than a few ounces) may produce nausea, upset stomach, vomiting and diarrhea. Breathing fumes for a prolonged period

may irritate the nose, throat, and lungs, or may cause nausea. Prolonged skin exposure can remove natural skin oils and may produce irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE

None known.

EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush with plenty of 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 INHALED: Get patient to fresh air immediately; if patient is not breathing, apply CPR as needed. Call a physician or poison center immediately.

IF SWALLOWED: Induce vomiting if the amount taken is more than one ounce. Syrup of ipecac is recommended. Never give anything by mouth to an unconscious person. Call a physician or poison center immediately.

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

This product may be absorbed on clay or mineral sorbents—do not use sawdust. Collect the absorbed material and place it in a suitable container.

Keep from sources of ignition.

WASTE DISPOSAL METHOD

Consult local, state, and federal authorities for proper disposal guidelines.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep this product in properly labeled, tightly closed containers. 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)

Not normally required. When required, use NIOSH approved respirator for organic vapors.

VENTILATION: MECHANICAL (General)

Low-power exhaust fans are recommended.

LOCAL EXHAUST

Recommended.

PROTECTIVE GLOVES

UNITED A392 (Nitrile rubber), butyl rubber or PVA are recommended.

EYE PROTECTION

UNITED A393 or other chemical goggles are recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Shirts with long sleeves are recommended.

WORK HYGENIC PRACTICES

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