

MATERIAL SAFETY DATA SHEET

Conforms to 29 CFR 1910.1200 (OSHA HAZARD COMMUNICATION STANDARD)

BIDALL
7821 North Faulkner Road
Milwaukee, WI 53224

PRODUCT NAME: SUN SOLV

EMERGENCY TELEPHONE NUMBERS: 3~ CHEMTREC (800) 424-9300

A273

SECTION I - PRODUCT IDENTIFICATION

Trade Names and Synonyms:

SUN SOLV

Chemical Name/Synonyms:

N/A

Chemical Family:

SOLVENT BLEND

Formula: MIXTURE

NFPA HAZARD IDENTIFICATION SYSTEM

| | | HAZARD RATING |
|--------------|---|-------------------|
| HEALTH | 3 | 4 - Extreme |
| | | 3 - High |
| | | 2 - Moderate |
| | | 1 - Slight |
| FLAMMABILITY | 2 | 0 - Insignificant |
| REACTIVITY | 0 | |

SECTION II - HAZARDOUS INGREDIENTS

| Substance | Approx. % | OSHA PEL | ACGIH TLV | CARCINOGENICITY NPT IARC OSHA | CAS No. |
|------------------------|--------------|-------------|--------------|----------------------------------|------------|
| Aliphatic Hydrocarbons | < 20.00 | 350 ppm | 350 ppm | N N N | 8030-30-6 |
| Aromatic Hydrocarbons | < 50.00 | 300 ppm | 300 ppm | N N N | 64741-98-6 |
| 1,1,1 Trichloroethane | < 20.00 | 350 ppm | 350 ppm | N N N | 71-55-6 |

SECTION III - PHYSICAL DATA

Boiling Point (°F): 300

Vapor Pressure (mm Hg): NOT DET.

Vapor Density (air = 1): < 1.0

Solubility in water: INSOLUBLE

Appearance and Odor: CLEAR, WATER WHITE LIQUID, CHARACTERISTIC SOLVENT ODOR.

Specific Gravity: 0.90

% Volatile (volume %): > 90.0

Evaporation Rate (ether = 1): > 1.0

pH: N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (°F): 115

(test method): CLOSED CUP

Extinguishing Media: FOAM, CARBON DIOXIDE, DRY CHEMICAL.

Special Fire Fighting Procedure: FIRE FIGHTERS MUST USE FULL PROTECTIVE GEAR AND SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire and Explosion Hazard: USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. SOLVENT VAPORS MAY CAUSE FLASHBACK.

Flammable Limits in air (volume %)

Upper: 5.0 Lower: 1.0

SECTION V - REACTIVITY DATA

Stability: STABLE

Conditions to Avoid: NONE

Incompatibility: STRONG ACIDS AND OXIDIZING AGENTS

Hazardous Decomposition Products: THERMAL DECOMPOSITION MAY YIELD OXIDES OF CARBON, HCL AND CHLORINE.

Hazardous Polymerization: WILL NOT OCCUR

Conditions to Avoid: NONE

SECTION VI - HEALTH HAZARD DATA

Threshold Limit Value (TLV): NOT ESTABLISHED

Primary Route(s) of Exposure: EYE AND SKIN CONTACT, INHALATION

Effects of Overexposure: EYES: SEVERE IRRITATION AND REDNESS, TEARING, BLURRED VISION. IRRITATION WITH PROLONGED CONTACT. INHALATION: RESPIRATORY TRACT IRRITATION, DIZZINESS, WEAKNESS, HEADACHE, NAUSEA, UNCONSCIOUSNESS. INGESTION: GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, HARMFUL IF SWALLOWED.

Emergency and First Aid Procedures: EYES: FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION. INGESTION: CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SKIN: REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE RE-USE. WASH WITH SOAP AND WATER. INHALATION: REMOVE PERSON TO FRESH AIR. PERFORM ARTIFICIAL RESPIRATION IF INDICATED. OBTAIN MEDICAL ASSISTANCE.

SECTION VII - SPILL OR LEAK PROTECTION

Steps to be taken if Material is Released or Spilled: VENTILATE AREA AND EXTINGUISH SOURCES OF INGESTION. SOAK UP ON INERT ABSORBENT MATERIAL AND PLACE IN CLOSED CONTAINER FOR DISPOSAL.

Waste Disposal Method: CONSULT LOCAL ENVIRONMENTAL AUTHORITIES.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: USE WITH ADEQUATE VENTILATION. IN AREAS OF HIGH CONCENTRATION, AN NIOSH APPROVED RESPIRATOR MUST BE USED.

Ventilation: Local exhaust: RECOMMENDED

Mechanical: RECOMMENDED

Protective Gloves: RUBBER GLOVES

Eye Protection: CHEMICAL GOGGLES

Other Protective Equipment: EMERGENCY SHOWER AND EYE WASH STATION.

SECTION IX - SPECIAL PROTECTION

Precautions to be Taken in Handling or Storage: STORE IN A COOL, DRY PLACE. AWAY FROM HEAT OR OPEN FLAME. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

Other Precautions: KEEP OUT OF REACH OF CHILDREN. DO NOT CUT OR WELD ON EMPTY CONTAINER AS THEY MAY CONTAIN FLAMMABLE RESIDUES.

SECTION X - REGULATORY INFORMATION

DOT Proper Shipping Name: 1,1,1-TRICHLOROETHANE SOLUTION

DOT Class: 5.1

DOT ID Number: UN2831

DOT Packing Group: III

SARA/TITLE III - CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 304.4): This product does contain an ingredient(s) listed as a hazardous ingredient for Emergency Release Notification under section 304: 1,1,1-Trichloroethane (CAS No. 71-55-6).

SARA/TITLE III - List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 300 & 305): This product does not contain an ingredient(s) listed as an extremely hazardous substance (EHS) for Emergency Planning under sections 301-303 and for Emergency Release Notification under section 304.

SARA/TITLE III - List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372): This product does contain an ingredient(s) listed as a toxic chemical for Annual Release Reporting Requirements under section 313: 1,1,1-Trichloroethane (CAS No. 71-55-6).

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