

SANFORD CORPORATION  
2740 WASHINGTON BLVD.  
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Sanford Corporation has been advised by counsel that the OSHA Hazard Communication Standard does not apply to the Sanford product described in this MSDS. The reason for this exemption is contained in 29 CFR Part 1910.1200 (d) (6) (vii) as amended August 21, 1987 per Federal Register Vol. 52, No. 163, p 31877-31878. The information contained in this MSDS is forwarded to you for your information but is not meant to imply that the product is covered by the Hazard Communication Standard nor is the MSDS meant to comply with all requirements of the Hazard Communication Standard.

EMERGENCY TEL: 1-800-228-5635

DATE OF LAST REVISION: October 5, 1990

DOCUMENT SEQUENCE NO.: 167-40

1. IDENTIFICATION:

NAME: Solvener<sup>®</sup> Type Cleaner

SIZES: 4 ounce

2. COMPOSITION:

1,1,1 trichloroethane (71-55-6)  
stabilizers including glycol methylene ether (646-06-0)  
and sec butanol (78-92-2)

3. PHYSICAL DATA:

(for 1,1,1 trichloroethane)

BOILING POINT: 160 - 190°F at 760 mm Hg  
SPECIFIC GRAVITY: 1.30 - 1.33 at 77°F  
VAPOR PRESSURE: 135 mm Hg at 25°C  
VAPOR DENSITY: 4.5 (air = 1)  
EVAPORATION RATE: 0.35 (ether = 1)  
SOLUBILITY IN WATER: negligible  
APPEARANCE/ODOR: clear liquid, ether-like odor  
FLASH POINT: none  
LOWER FLAMMABILITY LIMIT: 7%  
UPPER FLAMMABILITY LIMIT: 15%

4. REACTIVITY:

STABILITY: stable

POLYMERIZATION: will not occur

CONDITIONS TO AVOID: not available

INCOMPATIBLE MATERIALS: water reactive metals, open flames, strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: hydrogen chloride, phosgene, chlorine

5. HEALTH HAZARD DATA:

This product has not been found to be a carcinogen or potential carcinogen by NTP, IARC, or OSHA.

The product is considered safe when used under normal use conditions.

Eye contact can cause severe irritation. Flush with water and contact a physician if contact occurs. Skin contact can cause defatting and dermatitis and should be limited. Excessive vapors can cause dizziness, nausea, and headaches. Use in ventilated area. Ingestion can be harmful. Do not induce vomiting. Call a physician.

This product contains ethylene dichloride a process impurity, at less than 0.1%. Ethylene dichloride is a chemical known to the State of California to cause cancer.

6. SAFE HANDLING AND USE PRECAUTIONS:

HANDLING AND STORAGE: Keep container closed when not in use.

CLEAN UP PROCEDURES: Wipe up with absorbent material and discard as solid waste.

WASTE DISPOSAL MEANS: Discard as solid waste.

7. PERSONAL PROTECTION AND EXPOSURE CONTROL MEASURES:

EYE PROTECTION: None under normal use conditions.

SKIN PROTECTION: None under normal use conditions.

RESPIRATORY PROTECTION: None under normal use conditions.

VENTILATION: None under normal use conditions.