



## MATERIAL SAFETY DATA SHEET

May be used to comply with  
OSHA's Hazard Communication Standard  
29 CFR 1910.1200 Standard must be consulted  
for specific requirements

## U.S. DEPARTMENT OF LABOR

Occupational Safety and Health Administration  
(Non-Mandatory Form)

Form Approved - OMB No. 1218-0072

Note: Blank spaces are not permitted. Mark all spaces not applicable (NA)  
or no information (NI)

IDENTITY (As used on Label and List) -

LIFT STATION DEGREASER

### SECTION I

MANUFACTURER'S NAME--- TORNADO PRODUCTS CO.  
ADDRESS--- 302 West MacCorkle Avenue  
St. Albans, WV 25177

EMERGENCY & INFORMATION TELEPHONE NUMBER:

1-800-881-5572 or (304) 727-5572

DATE PREPARED--- October 10, 2005

Signature of Preparer (Optional) \_\_\_\_\_

### SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| HAZARDOUS COMPONENTS(Specific Chemical Identity; Common Names) | OSHA PEL | ACGIH-TLV | OTHER LIMITS | CAS #     |
|--|----------|-----------|--------------|-----------|
| SHELL SOL 340  | Naphtha  | NI        | NI           | 64742-8   |
| TOLUENE  | Toluene  | Toluene   | NI           | 108-88-3  |
| D-LIMONENE   | NI       | NI        | NI           | 5989-27-5 |

**HMIS INDEX** (HAZARD INDEX: 0-Minimal 1-Slight 2-Moderate 3-Serious 4-Severe)

HEALTH--- 1 FLAMMABILITY--- 2 REACTIVITY--- 0

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT--- 318 to 383 approx.

APPEARANCE AND ODOR---Clear, water white to yellow liquid with lemon odor.

MELTING POINT--- NI

VAPOR PRESSURE--- 2

SOLUBILITY IN WATER--- Slight

VAPOR DENSITY (air-1)--- 3.9 calculated

SPECIFIC GRAVITY (H2O)-- 0.80

EVAPORATION RATE--- less than 0.1

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used)---90° F (TCC)AUTO IGNITION TEMPERATURE--- 245° F approx

FLAMMABILITY LIMITS IN AIR % BY VOLUME--NI

LEL--- 2.0

UEL---7.2 @ 77° F approx

EXTINGUISHING MEDIA---Dry Chemical, carbon dioxide, halon, foam or water spray is recommended. Water or foam may cause frothing. Halon may decompose into toxic products. Carbon dioxide may displace oxygen.

SPECIAL FIRE FIGHTING PROCEDURES---Full protective clothing and self-contained breathing apparatus should be worn by all fire personnel. To cool fire-exposed containers, use water.

UNUSUAL FIRE AND EXPLOSION HAZARDS--- Decomposition or burning of product can produce hazardous gases or vapors. Containers exposed to heat may build sufficient pressure that can cause container rupture. Material can accumulate static charges which can cause an incendiary electrical discharge. "Empty containers retain product residue (liquid and/or vapor) can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER DRILL GRIND OR EXPOSE CONTAINERS TO HEAT, FLAME SPARKS, STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION.

**SECTION V - REACTIVITY DATA**

(Lift Station Degreaser) page 2

**STABILITY**--- STABLE  X  UNSTABLE \_\_\_\_\_ **CONDITIONS TO AVOID**---Heat, sparks, flames and electrical arcs.

**INCOMPATIBILITY (Materials to Avoid)**--- Strong oxidizers, aluminum, halogens, molten sulfur.  
**HAZARDOUS DECOMPOSITION OR BY PRODUCTS**---NI

**HAZARDOUS POLYMERIZATION**--- MAY OCCUR \_\_\_\_\_ WILL NOT OCCUR  X

**CONDITIONS TO AVOID**--- Carbon monoxide and other hazardous vapors.

**SECTION VI - HEALTH HAZARD DATA**

**ROUTES OF ENTRY SYMPTOMS AND FIRST AID PROCEDURES:**

**INHALATION?**---SYMPTOMS: Can result in irritation to the respiratory tract, dizziness, nausea, light headedness, headache, loss of coordination and, in extreme cases, unconsciousness and death. Exposure may result in CNS depression.  
FIRST AID: Remove to fresh air. If breathing is difficult, administer oxygen. Get medical attention if any symptoms persist.

**INGESTION?**---SYMPTOMS: May result in irritation to mouth, throat and gastrointestinal tract. Effects noted for inhalation may also result from ingestion. Aspiration hazard if swallowed. Vomiting may cause mild to severe pulmonary injury.  
FIRST AID: Do not induce vomiting: this product is an aspiration hazard. Do not give liquids. Get medical attention at once.

**SKIN?**---SYMPTOMS: Irritating to skin. Prolonged contact can result in drying of the skin which may result in irritation to a dermatitis condition.  
FIRST AID: Promptly wash with plenty of soap and water. Wash clothing before reuse. If irritation persists, get medical attention.

**EYES?**---SYMPTOMS: May cause mild irritation including stinging, watering and redness, but does not injure eye tissue.  
FIRST AID: Immediately flush with plenty of water for a minimum of 15 minutes. Get medical attention.

**HEALTH HAZARDS (Acute and Chronic)**---Irritation, central nervous system depression, unconsciousness and death.

**CARCINOGENICITY-** NO **NTP?**--- NI **IARC MONOGRAPHS?**--- NI **OSHA REGULATED?**---

**SIGNS AND SYMPTOMS OF EXPOSURE**---See above

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**---Soak up with absorbent & place collected material in a closed, properly labeled container for disposal. Use caution as product is flammable & vapors may travel. For large spills, evacuate area immediately. Eliminate all ignition sources. Use non-sparking or grounded equipment. Dike and contain. If vapor cloud forms, use water fog to suppress. Do not flush material into sewers.

**WASTE DISPOSAL METHOD**---Eliminate sources of ignition. Remove from surface by skimming. Follow all state, local & federal requirements. Recommend all material be incinerated at an approved facility.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**---Keep liquid & vapors away from heat, sparks & flames. Use with adequate ventilation. Has electrostatic accumulation hazard, use proper grounding procedure.

**OTHER PRECAUTIONS**---Keep containers closed when not in use. Store in a cool area. Do not cut, drill, grind or weld on full or empty containers. Do not use empty containers until commercially cleaned of all residues. Do not store near aluminum. Wash thoroughly after handling.  
Use grounding sources.

**SECTION VIII - CONTROL MEASURES**

**RESPIRATORY PROTECTION (SPECIFY TYPE):** LOCAL EXHAUST  X  MECHANICAL \_\_\_\_\_ (OR) SPECIAL \_\_\_\_\_

**OTHER (Specify)**--Use a NIOSH approved respirator for organic vapor, if needed, observing requirements of 29CFR 1910.134.

**PROTECTIVE GLOVES**---Rubber gloves.

**EYE PROTECTION**---Chemical Splash Goggles

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**--- Rubber Aprons

**WORK/HYGIENIC PRACTICES**---Wash thoroughly after handling.