

**MATERIAL SAFETY DATA SHEET**  
COMPLIES WITH OSHA'S HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

**SECTION I - PRODUCT IDENTIFICATION**

**Product Name:** Coil Cleaner - Solvent Based  
**Product Number:** 56018  
**Product Type:** AEROSOL  
**Formula:** Proprietary  
**Supplier's Name:** Terand Industries, Inc.  
**Supplier's Address:** P.O. Box 667770, Pompano Beach, FL 33066  
**DOT Ship Description:** CONSUMER COMMODITY - ORM-D

**Date Prepared:** 7/20/2011  
**Information Phone:** (954) 974-5440  
**Emergency Phone:** (800) 535-5053

**HMIS® Rating:**  
0-Minimal 1-Slight 2-Moderate  
3-Serious 4-Extreme

|                             |   |
|-----------------------------|---|
| <b>HEALTH:</b>              | 2 |
| <b>FLAMMABILITY:</b>        | 2 |
| <b>PHYSICAL HAZARD:</b>     | 0 |
| <b>Personal Protection:</b> | B |

**SECTION II - INGREDIENTS**

| <u>CHEMICAL NAME</u>  | <u>CAS #</u>           | <u>%WT</u> | <u>313/Chem</u> | <u>Skin</u> | <u>Carcinogen</u> | <u>PEL</u> | <u>TLV-TWA</u> |
|-----------------------|------------------------|------------|-----------------|-------------|-------------------|------------|----------------|
| *Tetrachloroethylene  | 127-18-4               | 90 - 100   | YES             | NO          | YES               | 25 ppm     | 25 ppm         |
| Petroleum Distillates | 8052-41-3 / 64742-47-8 | 1 - 30     | NO              | NO          | NO                | 100 ppm    | 100 ppm        |
| *Trichloroethylene    | 79-01-6                | 0 - 20     | YES             | NO          | YES               | 100 ppm    | 25 ppm         |
| Carbon Dioxide        | 124-38-9               | 1 - 5      | NO              | NO          | NO                | 5,000 ppm  | 5,000 ppm      |

\* IARC Group 2A; This material is known to the State of California to cause cancer, birth defects, or other reproductive harm.

**SECTION III - PHYSICAL DATA**

**Aerosol Concentrate:**  
**Boiling Point:** 189°F (initial b.p.)      **Specific Gravity (H<sub>2</sub>O=1)@70°F:** 1.23 - 1.62  
**pH:** N/A      **Solubility In Water:** negligible  
**Appearance/Odor:** Clear, colorless liquid; strong solvent odor      **Vapor Density(Air=1):** >4

**Total Contents:**  
**Total VOC %:** < 45%      **Vapor Pressure (can; psig @72°F):** N/D

**SECTION IV - FIRE AND EXPLOSION DATA**

**Flash Point (Conc.):** None (TCC)      **Flammability (as per CSMA Flame Projection Test):** Non-Flammable Spray  
**Extinguishing Media:** Dry Chemicals, CO<sub>2</sub>, Foam, or Inert Gases.  
**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.  
**Unusual Fire and Explosion Hazards:** Exposure to temperature above 120° F may cause bursting.

**SECTION V - REACTIVITY DATA**

**Stability:** Material Stable.      **Hazardous Polymerization:** Will not Occur.  
**Incompatibility:** Avoid contact with metals such as aluminum powders, magnesium powders, potassium, sodium, zinc powder, amines, strong acids, strong bases, strong oxidizers or alkalis.  
**Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide, hydrogen chloride, trace amounts of phosgene and chlorine.

**SECTION VI - STORAGE AND HANDLING**

**KEEP OUT OF REACH OF CHILDREN.**  
For Industrial and Institutional use only.      **NFPA Code 30B Rating:** Level 1 Aerosol.  
Store in a cool, dry area away from heat or open flame.  
Do not store at temperatures above 120° F.  
Vapors of this product are heavier than air and will collect in low areas.  
Do not eat, drink or smoke while using this product.

**SECTION VII - HEALTH AND FIRST AID**

**PRIMARY ROUTES OF ENTRY & EFFECTS OF OVER EXPOSURE:**  
**Eyes:** May cause irritation. Vapors may also cause irritation.  
**Skin:** May cause irritation. Prolonged exposure may cause sever skin irritation, even a burn. Repeated contact may cause drying or flaking of skin and dermatitis. May aggravate pre-existing skin conditions.  
**Inhalation:** Inhalation of mist can cause irritation of nasal and respiratory passages. Dizziness may occur at concentrations of 200 ppm. Progressively higher levels may cause irritation to the upper respiratory tract, nausea and other central nervous system effects. Very high levels or prolonged exposure could lead to unconsciousness and death. Overexposure may affect the liver and kidneys, increase sensitivity to epinephrine and increase myocardial irritability.  
**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause severe pulmonary injury.  
**FIRST AID PROCEDURES:**  
**Eyes:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.  
**Skin:** Wash with plenty of soap and water. If irritation persists seek medical attention.  
**Inhalation:** Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.  
**Ingestion:** Do not induce vomiting. Seek medical attention immediately.

**SECTION VIII - SPECIAL PROTECTION DATA**

**Respiratory Protection:** None needed for proper use in accordance with label directions. Wear a NIOSH/ MSHA approved cartridge respirator with organic vapor cartridge or self-contained breathing apparatus if recommended exposure level is exceeded. Air monitoring is needed to determine actual employee exposure levels.  
**Ventilation:** Provide local or mechanical exhaust to keep air concentrations of ingredients listed in Section II below established exposure limits.  
**Protective Gloves:** Use chemical resistant gloves such as PVA, Teflon or Viton to help prevent skin contact.  
**Eye Protection:** Always wear safety glasses or chemical proof goggles when working with this and all chemical products.

**SECTION IX - SPILL OR LEAK PROTECTION**

**STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:** Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, State and local laws.  
**WASTE DISPOSAL METHOD:** Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult Federal, State and local authorities for approved procedures.

N/A= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · <=LESS THAN · >=MORE THAN

**NOTICE:** The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.