

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** SUPCO 88 Oil Additive

**PART NUMBER:**

**GENERAL USE:** Oil additive

**PRODUCT DESCRIPTION:** Colorless to slightly tinted liquid, characteristic hydrocarbon odor.



**MANUFACTURER'S NAME**

Sealed Unit Parts Co., Inc.

**DATE PREPARED:** May 25, 2005

**SUPERSEDES:** August 18, 1998

Page 1 of 4

**ADDRESS (NUMBER, STREET, P.O. BOX)**

2230 Landmark Place

**TELEPHONE NUMBER FOR INFORMATION**

(732) 223-6644

(CITY, STATE AND ZIP CODE)

**COUNTRY**

**EMERGENCY TELEPHONE NUMBER**

Allenwood, NJ 08720

USA

(732) 223-6644

**DISTRIBUTOR'S NAME**

Same

**ADDRESS (NUMBER, STREET, P.O. BOX)**

**TELEPHONE NUMBER FOR INFORMATION**

(CITY, STATE AND ZIP CODE)

**COUNTRY**

**EMERGENCY TELEPHONE NUMBER**

## SECTION 2 - HAZARDOUS INGREDIENTS

| HAZARDOUS COMPONENTS                                | %<br>(by weight) | CAS #      | EINECS #  | Hazard<br>Symbol | RISK PHRASES<br>Full Text Section 16 |
|---|------------------|------------|-----------|------------------|--------------------------------------|
| Kerosene (petroleum), hydrodesulfurized             | 30 - 60          | 64742-81-0 | 265-184-9 | Xn               | R-10, 65                             |
| Petroleum distillate, hydrotreated heavy paraffinic | 15 - 40          | 64742-53-6 | 265-156-6 | Xn               | R-65, 66, 67                         |
| Petroleum distillate, hydrotreated heavy paraffinic | 10 - 30          | 64742-52-5 | 265-155-0 | Xn               | R-65, 66, 67                         |
| Benzyl disulfide                                    | 0.5 - 1.0        | 150-60-7   | 205-764-0 | Xi               | R-43                                 |

## SECTION 3 - HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Colorless combustible liquid, potentially hazardous vapors. Can cause serious or fatal complications if swallowed. Can cause eye and skin irritation upon contact. Inhalation of vapors can cause anesthetic effect leading to death in poorly ventilated areas. Hazard Symbols for this product - Xn Risk Phrases - R 10, 65, 66, 67

### POTENTIAL HEALTH EFFECTS

**INHALATION:** Inhalation of vapors can cause anesthetic effect leading to death in poorly ventilated areas. High concentrations of mist may be irritating to the respiratory tract.

**SKIN:** No significant irritation is expected to occur upon short-term exposure.; prolonged contact may cause moderate irritation.

**EYES:** Minimal irritation and discomfort may result from short-term contact with liquid, mist, and/or vapor.

**INGESTION:** Non-toxic; may cause gastric distress, vomiting and diarrhea. DO NOT induce vomiting. Aspiration of vomitus into the lungs must be avoided; minute amounts aspirated into the lungs can produce severe lung injury or death.

**CARCINOGENICITY**

NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

**MATERIAL SAFETY DATA SHEET**

PRODUCT NAME: SUPCO 88 Oil Additive  
May 25, 2005

Page 2 of 4

**SECTION 4 - FIRST AID MEASURES**

**INHALATION:** Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

**SKIN:** Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

**EYES:** Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

**INGESTION:** DO NOT induce vomiting; if vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs; seek immediate medical attention. Small amounts entering mouth should be rinsed out until taste is gone.

**SECTION 5 - FIRE FIGHTING MEASURES**

**GENERAL HAZARDS:** Product is flammable. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide and small amounts of sulfur.

**EXTINGUISHING MEDIA**

Carbon dioxide, water fog, dry chemical, chemical foam.

**FIRE FIGHTING PROCEDURES**

Firefighters must wear full facepiece self - contained breathing apparatus in positive pressure mode. Do not use solid stream of water since stream will scatter and spread fire. Fine water spray can be used to keep fire - exposed containers cool.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Closed containers can explode due to buildup of pressure when exposed to extreme heat. Do not use direct stream of water on pool fires as product may reignite on water surface. Caution - Material is flammable!

**HAZARDOUS COMBUSTION PRODUCTS**

Smoke, fumes or vapors, oxides of carbon, small amounts of sulfur.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** CAUTION - FLAMMABLE - Evacuate and ventilate area; remove all sources of sparks, ignition and open flames; confine and absorb into approved absorbent; place material into approved containers for disposal; do not wash to sewer or waterway.

**SECTION 7 - HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. CAUTION - FLAMMABLE - keep away from all sources of ignition. "Empty" containers may contain residue which may form explosive vapors. Do not weld or cut near empty container that has not been professionally reconditioned. Use non-sparking tools when opening and closing containers. Maintain well ventilated work areas to minimize exposure when handling this material.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

| HAZARDOUS COMPONENTS                                | NIOSH   |                 |          |            | ACGIH   |                 |          |            |
|---|---------|-----------------|----------|------------|---------|-----------------|----------|------------|
|   | TWA ppm | TWA mg/m3       | STEL ppm | STEL mg/m3 | TWA ppm | TWA mg/m3       | STEL ppm | STEL mg/m3 |
| Kerosene (petroleum), hydrodesulfurized             | 30      |                 |          |            | 30      |                 |          |            |
| Petroleum distillate, hydrotreated heavy paraffinic |         | 10              |          | 5          |         | 10              |          | 5          |
| Petroleum distillate, hydrotreated heavy paraffinic |         | 10              |          | 5          |         | 10              |          | 5          |
| Benzyl disulfide                                    |         | not established |          |            |         | not established |          |            |

**PERSONAL PROTECTION:**

**RESPIRATORY PROTECTION:** None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

**PROTECTIVE GLOVES:** Neoprene, butyl or nitrile rubber gloves with cuffs.

**EYE PROTECTION:** Chemical safety goggles. Refer to 29 CFR 1910.133 or European Standard EN166.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Safety eyewash station nearby.

**WORK / HYGIENIC PRACTICES:** Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

**MATERIAL SAFETY DATA SHEET**

PRODUCT NAME: SUPCO 88 Oil Additive  
May 25, 2005

Page 3 of 4

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

|   |   |
|---|---|
| APPEARANCE AND ODOR<br>Colorless to slightly tinted liquid, characteristic hydrocarbon odor | VAPOR PRESSURE<br>0.1 mm Hg @ 20° C           |
| pH<br>Not applicable  | SPECIFIC GRAVITY (WATER = 1)<br>0.851         |
| BOILING POINT / BOILING RANGE<br>304° F (151.1° C)  | SOLUBILITY IN WATER<br>Negligible             |
| FLASH POINT<br>130° F ( 54.4° C) TCC  | VISCOSITY<br>Approximately 2 CSt @ 40° C      |
| FLAMMABLE LIMITS<br>LEL: 0.7% UEL: 5.0%   | VAPOR DENSITY (AIR = 1)<br>> 1                |
| AUTOIGNITION TEMPERATURE<br>410° F (210° C)   | EVAPORATION RATE (n-Butyl Acetate = 1)<br>< 1 |

**SECTION 10 - STABILITY AND REACTIVITY**

STABILITY UNSTABLE: \_\_\_\_\_  
STABLE: XXX

CONDITIONS TO AVOID: Extreme temperatures, open flames, sparks.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.

HAZARDOUS POLYMERIZATION MAY OCCUR: \_\_\_\_\_  
WILL NOT OCCUR: XXX

CONDITIONS TO AVOID: None

**SECTION 11 - TOXICOLOGICAL INFORMATION**

| Hazardous Components                                | CAS #<br>EINECS #       | LD50 of Ingredient<br>(Specify Species and Route) | LC50 of Ingredient<br>(Specify Species) |
|---|-------------------------|---|---|
| Kerosene (petroleum), hydrodesulfurized             | 64742-81-0<br>265-184-9 | 5 ml / kg<br>Oral - rat                           | 5 ml / l / 4H<br>Inhalation - rat       |
| Petroleum distillate, hydrotreated heavy paraffinic | 64742-53-6<br>265-156-6 | > 2000 mg / kg<br>Oral - rat                      | 2200 mg m3 / 4H                         |
| Petroleum distillate, hydrotreated heavy paraffinic | 64742-52-5<br>265-155-0 | Not determined                                    | Not determined                          |
| Benzyl disulfide                                    | 150-60-7<br>205-764-0   | Not established                                   | Not established                         |
|   |                         |   |   |
|   |                         |   |   |
|   |                         |   |   |

**SECTION 12 - ECOLOGICAL INFORMATION**

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. This product may produce hazardous vapors in a closed disposal container creating a dangerous environment. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.

**SECTION 14 - TRANSPORT INFORMATION**

PROPER SHIPPING NAME: Petroleum distillates, n.o.s. (Aliphatic hydrocarbons)

DOT HAZARD CLASS / Pack Group: 3 / III IATA HAZARD CLASS / Pack Group: 3 / III

REFERENCE: 49 CFR 173.150, .203, .242 IMDG HAZARD CLASS: 3 / III

UN / NA IDENTIFICATION NUMBER: UN 1268 RID/ADR Dangerous Goods Code: 3

LABEL: FLAMMABLE LIQUID UN TDG Class / Pack Group: 3 / III

HAZARD SYMBOLS: F

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

**MATERIAL SAFETY DATA SHEET**

PRODUCT NAME: SUPCO 88 Oil Additive  
May 25, 2005

**SECTION 15 - REGULATORY INFORMATION**

**TSCA (USA - Toxic Substance Control Act)**

All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

**SARA TITLE III (USA - Superfund Amendments and Reauthorization Act)**

311/312 Hazard Categories  
Immediate health, Fire Hazard

313 Reportable Ingredients:  
None

**CERCLA (USA - Comprehensive Response Compensation and Liability Act)**

None

**CPR (Canadian Controlled Products Regulations)**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: B3, D2B

**IDL (Canadian Ingredient Disclosure List)**

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

**DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)**

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

**EINECS (European Inventory of Existing Commercial Chemical Substances)**

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

**WGK Water Quality Index: 1**

**VbK Index: All**

**RISK PHRASES:**

R10 Flammable.  
R65 Damaging to lungs when swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

**SYMBOL(S) REQUIRED FOR LABEL**

Harmful



**SAFETY PHRASES:**

S23 Do not breathe vapor.  
S24/25 Avoid contact with skin and eyes.  
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this label.

**SECTION 16 - OTHER INFORMATION**

**Notes & full R-Phrase text**

R10 Flammable.  
R43 May cause sensitization by skin contact.  
R65 Damaging to lungs when swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

**HMIS HAZARD RATINGS**

|                 |   |                           |              |
|-----------------|---|---------------------------|--------------|
| HEALTH          | 2 | * = Chronic Health Hazard | 2 = MODERATE |
| FLAMMABILITY    | 2 | 0 = INSIGNIFICANT         | 3 = HIGH     |
| PHYSICAL HAZARD | 0 | 1 = SLIGHT                | 4 = EXTREME  |

PERSONAL PROTECTIVE EQUIPMENT B Safety Glasses, Gloves

**REVISION SUMMARY:**

This MSDS has been revised in the following sections: Complete format revision

MSDS Prepared by: Chem-Tel, Inc.  
1305 N. Florida Ave.  
Tampa, Florida USA 33602 (800) 255-3924 Outside USA (813) 248-0573

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.