

**SUPERIOR SIGNAL COMPANY, INC.**

**MATERIAL SAFETY DATA SHEET**

Rev Date: 06/27/02, UN Number: N/A

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**1. PRODUCT IDENTIFICATION**

Company Address: P. O. Box 96, Spotswood, NJ 08884  
Telephone Number: (732) 251-0800  
Emergency Phone Number: (732) 251-0800 (24 Hr.)  
Chemical Family: Petroleum Hydrocarbon  
Trade Name: Superior<sup>®</sup> Sewer Smoke Fluid

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**2. COMPOSITION / INFORMATION ON INGREDIENTS**

| Chemical Ingredient                         |      | CAS#       |
|---|------|------------|
| Distillates (petroleum), light hydrocracked | 100% | 64741-77-1 |

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**3. HAZARDS IDENTIFICATION**

Emergency Overview:  
May cause skin irritation

US OSHA Hazard communication standard: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.

**Potential Health Effects**

**Inhalation:**

Excessive exposure to mists or vapors generated by heat may cause irritation to eyes, nose, throat and lungs, respiratory tract.

**Eye Contact:**

Expected to be minor eye irritant.

**Skin Contact:**

Repeated or prolonged skin contact may cause dermatitis and defatting.

**Ingestion:**

Not expected to be acutely toxic.

**Chronic:**

None known.

HMIS Hazard Ratings:

HEALTH: 0

FLAMMABILITY: 1

REACTIVITY: 0

KEY 4=Severe 3=Serious  
2=Moderate 1=Slight  
0=Minimal

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**4. FIRST AID MEASURES**

**Inhalation:**

Remove person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

**Eye Contact:**

Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

**Skin Contact:**

Flush with large amounts of water, Use soap if possible. Remove severely contaminated clothing and wash before reuse. If irritation persists seek medical attention.

**Ingestion:**

If swallowed, DO NOT induce vomiting.

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**5. FIRE FIGHTING MEASURES**

Flash point (method): 265° F COC  
Flammable Limits: NE  
Autoignition temp: ND

**Extinguishing Media:**

Water spray, dry chemical, carbon dioxide (CO2), foam.

**Fire Fighting Instructions:**

Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool.

**Hazardous Combustion Products:**

Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

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**6. ACCIDENTAL RELEASE MEASURES**

**Spills or Leaks:**

Remove sources of ignition. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Take up small spills with absorbent pads. Large spills may be taken up with pump or vacuum.

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**7. HANDLING AND STORAGE**

Storage Temperature  
Ambient

Storage Pressure  
Atmospheric

**General:**

Keep container closed. Store in a cool, well-ventilated place. Keep away from heat, sparks and flame. Empty containers may contain residues.

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**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**Exposure Limits:**

Oil mist if generated: TLV (ACGIH) 5mg/m3 – 8hr TWA,  
STEL (ACGIH) 10 mg/m3, PEL (OSHA) 5mg/m3 – 8 hr TWA

**Ventilation:**

Good general ventilation at source of vapor.

**Personal Protection (Fluid):**

For open systems where contact is likely, wear safety glasses with side shields, long sleeves and chemical resistant gloves.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                    |                                    |
|------------------------------------|------------------------------------|
| Appearance/Odor:                   | Petroleum odor, clear amber liquid |
| Vapor Pressure:                    | <1 (air=1.0)                       |
| Solubility in Water:               | None                               |
| Evaporation Rate, n-Bu Acetate =1: | Nil                                |
| VOC:                               | 10.5 Wt% 97.65 g/l                 |
| Specific Gravity:                  | 0.89 @ 15.6°C                      |

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## 10. STABILITY AND REACTIVITY

Stability:  
Stable under normal temperatures and pressures.

Conditions to Avoid:  
None known

Materials to Avoid:  
Strong oxidizing agents

Hazardous Polymerization:  
Will not occur

Hazardous Decomposition:  
None

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## 11. TOXICOLOGICAL INFORMATION

|                             |   |
|-----------------------------|---|
| Oral toxicity (rats):       | Practically non-toxic (LD50: > 2000 mg/kg).   |
| Dermal Toxicity (rabbits):  | Practically non-toxic (LD50: > 2000 mg/kg).   |
| Inhalation Toxicity (rats): | Practically non-toxic (LC50: > 5 mg/l).   |
| Eye irritation (rabbits):   | Practically non-irritating (Draize score: >6 but < 16)  |
| Skin irritation (rabbits):  | Practically non-irritating (Primary Irritation Index: >0.5 but <3)  |
| Chronic Toxicology:         | The base oils in this product are severely solvent refined and/or hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using various screening methods such as Modified Ames Test and IP-346. |

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## 12. ECOLOGICAL INFORMATION

Ecotoxicity: ND

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## 13. DISPOSAL CONSIDERATIONS

This products is not regulated by CERCLA/RCRA as a hazardous waste material. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state and federal regulations

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**14. TRANSPORTATION INFORMATION**

| <b>DOT</b>           |    | <b>IMO</b>           |    |
|----------------------|----|----------------------|----|
| Description          | NR | Proper shipping name | NR |
| Proper shipping name |    | Hazard Class:        | NR |
| Hazard class         | NR | Packing Group:       | NA |
| ID number            | NR | Special Information  | NA |
| Packing Group        | NA | IMO Label            | NA |
| Special Information  | NA | Shipping Containers  | NA |

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**15. REGULATORY INFORMATION**

TSCA: This material is in compliance with the TOXIC SUBSTANCES CONTROL ACT (15 USC 2601-2629) and is listed in the TSCA Inventory.

Hazard Categories for SARA 311/312 Reporting:

|          |                            |    |
|----------|----------------------------|----|
| Health   | Immediate(Acute)           | No |
| Health   | Delayed (Chronic)          | No |
| Physical | Fire                       | No |
| Physical | Sudden Release of Pressure | No |
| Physical | Reactive                   | No |
| Physical | Nuisance Mist/Dust Only    | No |

The following components of this material are found on the regulatory lists indicated.

Distillates, Hydrotreated Light Paraffinics found on lists: ACGIM TWA, ACGIH STEL, OSHA PEL

New Jersey RTK Classification:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 NJSA 34:5A-1 et.seq., the product is to be identified as follows:

PETROLEUM OIL

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Review date 01/04/08