

# MATERIAL SAFETY DATA SHEET

Trade Name: Super S Engine Degreaser  
 MSDS NO. S106  
 Revision Date: 02/04/2008  
 Date Printed: 12/30/2008

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Super S Engine Degreaser  
 Chemical Family: PETROLEUM DISTILLATE  
 Synonyms: None  
 Emergency Telephone (24 hr.): 24-Hour Emergency Information: CHEMTREC (800) 424-9300

Supplier: Smitty's Supply, Hwy 51 North, Roseland, LA, 70456

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight %	OSHA TWA	OSHA STEL	OSHA SKIN
Petroleum Distillate 68476-34-6	65-85	Not Listed	Not Listed	Not Listed
Aromatic Petroleum Distillate 68477-31-6	10-20	Not Listed	Not Listed	Not Listed
2-butoxyethanol 111-76-2	10-20	Not Listed	Not Listed	Not Listed
Nonyphenol Ethoxylated 9016-45-9	.5-3	Not Listed	Not Listed	Not Listed
Carbon Dioxide 124-38-9	4-8	Not Listed	Not Listed	Not Listed

Component	Weight %	OSHA Z PEL	OSHA Z TWA	OSHA Z Ceiling
Petroleum Distillate 68476-34-6	65-85	Not Listed	Not Listed	Not Listed
Aromatic Petroleum Distillate 68477-31-6	10-20	Not Listed	Not Listed	Not Listed
2-butoxyethanol 111-76-2	10-20	Not Listed	Not Listed	120 mg/m <sup>3</sup> 25 ppm
Nonyphenol Ethoxylated 9016-45-9	.5-3	Not Listed	Not Listed	Not Listed
Carbon Dioxide 124-38-9	4-8	9000 mg/m <sup>3</sup> 5000 ppm	18000 mg/m <sup>3</sup> 10000 ppm	Not Listed

Component	ACGIH TLV TWA	ACGIH TLV STEL	ACGIH TLV Ceiling
Petroleum Distillate 68476-34-6	100 mg/m <sup>3</sup> Vapor and aerosol. total hydrocarbons	Not Listed	Not Listed
Aromatic Petroleum Distillate 68477-31-6	Not Listed	Not Listed	Not Listed
2-butoxyethanol 111-76-2	20 ppm	Not Listed	Not Listed
Nonyphenol Ethoxylated 9016-45-9	Not Listed	Not Listed	Not Listed
Carbon Dioxide 124-38-9	5000 ppm	30000 ppm	Not Listed

Other: This product does not contain Normal Hexane (N-Hexane).

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## 3. HAZARDS IDENTIFICATION

**Emergency Overview:** This material is an eye and skin irritant. Content under pressure. Gross inhalation overexposure may cause: respiratory track irritation, gastrointestinal irritation, headache, dizziness or central nervous system depression. Caution: Combustible. May be fatal if swallowed.

**HMIS Classification:** Health: \*2 Flammability: 2 Physical Hazard: 2  
**NFPA Rating:** Health: 3 Flammability: 2 Reactivity: 0

## 4. FIRST AID MEASURES

**Eye Contact:** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

**Ingestion:** Get medical attention! If vomiting occurs, keep head lower than hips to prevent aspiration. If swallowed, do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person.

**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

**Skin Contact:** Remove contaminated clothing and shoes, and launder before reuse. If irritation persists or signs of toxicity occur, seek medical attention. If product is injected into or under the skin, or into any part of the body, the individual should be evaluated immediately by a physician as a surgical emergency. Wash with soap and water for 15 minutes.

## 5. FIRE FIGHTING MEASURES

### Flammable Properties

**Flash Point °F(°C):** 145 F approx.  
**Flash Point Method:** TAG Closed Cup  
**Flammable Limits in Air - Lower (%):** .9% (Lowest Component)  
**Flammable Limits in Air - Upper (%):** 6.7% (Lowest Component)  
**Autoignition Temperature °F(°C):** Not Determined  
**Extinguishing Media:** Carbon dioxide. Dry chemical. Foam. Use water spray to keep containers cool that are exposed to heat or flames.

### Protection Of Fire-Fighters:

**Special Fire-Fighting Procedures:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Vapor may cause flash fire.

**Hazardous Combustion Products:** Carbon Dioxide. Carbon Monoxide. Fumes and Smoke. Sulfur oxides. Aldehydes and other decomposition products, in the case of incomplete combustion.

**Aerosol Comments:** NFPA Level 2 Aerosol

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective clothing and equipment to prevent skin and eye contact.

**Spill Procedures:** Contain any liquid from leaking containers. Avoid all sources of ignition; heat, sparks and open flames.

**Action to be taken if material is released or spilled:** Wear proper protective equipment as specified in the protective equipment section. Remove sources of ignition. Leaking containers should be removed to an isolated, well-ventilated area and transferred to other suitable containers. Do not puncture or incinerate container. Contents under pressure. Wipe, scrape, or soak up in an inert material and put in a container intended for flammable materials for disposal.

**Environmental Precautions:** Do not allow to enter sanitary drains, sewer or surface and subsurface waters. Keep out of lakes, ponds or streams.

## 7. HANDLING AND STORAGE

**Handling and Storage:** Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Avoid contact with skin and eyes. Use only in a well ventilated area. Caution: Contents under pressure. Keep away from heat and open flame. Do not puncture, incinerate or store above 120 F. Exposure to high temperatures may cause bursting. DO NOT store in the passenger compartment of an automobile.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Use in a well ventilated area.  
**Eyes:** Chemical goggles; also wear a face shield if splashing hazard exists.  
**Skin Protection:** Avoid skin contact. Wear protective clothing and gloves.  
**Respiratory Protection:** Use in a well ventilated area. Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure. Do not breath mist or vapor.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, colorless to slightly discolored solution  
**Odor:** AROMATIC  
**pH Value:** approx. 8  
**Vapor Pressure:** Not Determined  
**Vapor Density (Air=1):** >4.7 Approximate  
**Boiling Point (°F):** 320 - 650 F  
**Melting/Freezing Point:** Not determined.  
**Solubility in Water:** approx. 25%  
**Bulk Density at 20°C:** Not Determined  
**Molecular Weight:** Mixture  
**Specific Gravity (H2O=1):** .88 @ 60 F (liquid)  
**Viscosity:** Not Determined.  
**Evaporation Rate:** Not Determined  
**VOC Content(%):** 27%  
**Decomposition Temperature:** Not Determined

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** STABLE.  
**Conditions to Avoid:** Keep away from heat, sparks and flame. Avoid any source of ignition. Do not expose to heat or store at temperatures above 120 F.  
**Materials to Avoid:** Contact with oxidizing agents. Strong acids. Strong bases.  
**Hazardous Decomposition Products:** Carbon monoxide. Carbon dioxide.  
**Hazardous Polymerization:** WILL NOT OCCUR

## 11. TOXICOLOGICAL INFORMATION

### Toxicological Data:

Component	Route	Species	Dose
Petroleum Distillate 68476-34-6	Oral	Rats	LD50 9 ml/kg
Aromatic Petroleum Distillate 68477-31-6	NA	NA	Not known.
2-butoxyethanol 111-76-2	Inhalation	Rats	LC50 450 ppm/4H
Nonyphenol Ethoxylated 9016-45-9	Oral	Rats	LD50 1310 mg/kg
Carbon Dioxide 124-38-9	NA	NA	Not known.

**Carcinogenicity:**

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Component	IARC	NTP	OSHA
Petroleum Distillate 68476-34-6	Group 3 (not classifiable)	Not Listed	Not Listed
Aromatic Petroleum Distillate 68477-31-6	Not Listed	Not Listed	Not Listed
2-butoxyethanol 111-76-2	Not Listed	Not Listed	Not Listed
Nonyphenol Ethoxylated 9016-45-9	Not Listed	Not Listed	Not Listed
Carbon Dioxide 124-38-9	Not Listed	Not Listed	Not Listed

## 12. ECOLOGICAL INFORMATION

**Remarks:** Ecological testing has not been conducted on this product.

## 13. DISPOSAL CONSIDERATION

**Waste Classification:** Not determined.  
**Waste Management:** Not determined.  
**Disposal Method:** Disposal should be made in accordance with federal, state and local regulations.

## 14. TRANSPORTATION INFORMATION

**U.S. DOT:**  
**Proper Shipping Name:** CONSUMER COMMODITY  
**Hazard Class:** ORM-D  
**UN/NA Number:** Not Applicable  
**DOT Packing Group:** Not Applicable

**IMDG:**  
**Proper Shipping Name:** Aerosols (Limited Quantity)  
**Hazard Class:** 2.1  
**Hazard Subclass:** Not determined.  
**UN No.:** UN1950  
**Packing Group:** PG II  
**Marine Pollutant:** No

## 15. REGULATORY INFORMATION

**US Federal Regulations:**

Component	SARA 313	SARA 302	TPQ	RQ
Petroleum Distillate 68476-34-6	Not Listed	Not Listed	Not Listed	Not Listed
Aromatic Petroleum Distillate 68477-31-6	Not Listed	Not Listed	Not Listed	Not Listed
2-butoxyethanol 111-76-2	Not Listed	Not Listed	Not Listed	Not Listed
Nonyphenol Ethoxylated 9016-45-9	Not Listed	Not Listed	Not Listed	Not Listed
Carbon Dioxide 124-38-9	Not Listed	Not Listed	Not Listed	Not Listed

**US OSHA HEALTH CLASSIFICATION:** Hazardous per OSHA 29 CFR 1910.1200  
**SARA 311/312 Hazard Categories:** Not Determined.

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**State Regulations:**

Component	California Prop. 65 Cancer list	California - Prop 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
Petroleum Distillate 68476-34-6	Not Listed	Not Listed	Not Listed	Not Listed
Aromatic Petroleum Distillate 68477-31-6	Not Listed	Listed.	Listed.	Not Listed
2-butoxyethanol 111-76-2	Not Listed	Not Listed	Not Listed	Not Listed
Nonyphenol Ethoxylated 9016-45-9	Not Listed	Not Listed	Not Listed	Not Listed
Carbon Dioxide 124-38-9	Not Listed	Not Listed	Not Listed	Not Listed

Component	New Jersey Right-to-Know List:
2-butoxyethanol 111-76-2	Substance no. 0275
Carbon Dioxide 124-38-9	Substance no. 0343

**U.S. TSCA:** One or more components of this product is not listed on the TSCA Inventory.  
**Canadian Inventory:** One or more components of this product is not listed on the Canadian DSL or NDSL Inventory.

**Consumer Product Safety Improvement Act of 2008 General Conformity Certification**

The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product container.

## 16. OTHER INFORMATION

**General Notes:**  
**Disclaimer:** Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system. The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.