

# Material Safety Data Sheet

SBC-948

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

## GOODSON

Tools and Supplies for Engine Builders  
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DATE OF PREPARATION: June 30, 1997

### 1. IDENTIFICATION

**Part No.:** SBC-948

**Description:** Non-Chlorinated Brake Clean

### 2. HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>&lt; Wt. %</u>
Hydrotreated light naphtha (petroleum)	64742-49-0	15.0 - 30.0
Methyl ethyl ketone	78-93-3	15.0 - 25.0
Isopropyl Alcohol	67-63-0	15.0 - 25.0
Propane	74-98-6	15.0 - 25.0
Toluene	108-88-3	1.0 - 10.0
Xylene	1330-20-7	3.0 - 7.0
Ethylbenzene	100-41-4	<2.0
Isobutane	75-28-5	<1.0

*This product contains the following toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR Part 372:*

Methyl ethyl ketone  
Toluene  
Xylene  
Ethylbenzene

### 3. PHYSICAL DATA

<b>Boiling Point:</b>	176.00 - 291.00°F Compressed Gas	<b>Vapor Pressure:</b>	9.5 - 70.2mmHg Compressed Gas
<b>Vapor Density:</b>	2.07 - 3.66 Air = 1	<b>Evaporation Rate:</b>	0.60 - 4.20 Bu0Ac = 1
<b>Solubility in Water:</b>	n/d	<b>Specific Gravity:</b>	0.709 Water = 1
<b>Percent Volatile:</b>	100%	<b>pH:</b>	n/a
<b>Viscosity:</b>	n/d	<b>Melting Point:</b>	n/d
<b>Appearance &amp; Odor:</b>	Liquid in aerosol container, clear, colorless, solvent odor		

### 4. FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** -50.00°F

**Flammable limits in air - LEL:** 1.00 - 2.50%

**Flammable limits in air - UEL:** 6.00 - 11.50% by vol.

**Autoignition Temperature:** 452.00 - 1026.00F

**Extinguishing Media:** Carbon Dioxide, Dry Chemical, Foam

**Special Firefighting Procedures:** Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask and protective covering for exposed areas of the head.

**Unusual Fire and Explosion Hazards:** Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

**NFPA Hazard Codes:** Health 2; Fire 4, Reactivity 0, Unusual Reaction Hazard - None

## 5. REACTIVITY DATA

**Stability:** Stable

**Incompatibility-Materials / Conditions to Avoid:** Heat

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Hazardous Decomposition Products:** Carbon Monoxide and Carbon Dioxide, Toxic Vapors, Gases or Particulates.

## 6. ENVIRONMENTAL INFORMATION

**Spill Response:** Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and person protective equipment. In the USA, call 612-733-1110 or 612-733-6100 for 24 hour spill assistance. Extinguish all ignition sources. Contain spill. Cover with absorbent material. Collect using non-sparking tools. Place in a US DOT-approved container.

**Recommended Disposal:** Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Do not puncture or burn cans in a household incinerator. Facility must be capable of handling aerosol cans. Dispose of empty cans in a sanitary landfill. Dispose of waste product in a facility permitted to accept chemical waste.

**Environmental Data:** Not determined

**Regulatory Information:** Volatile Organic Compounds - 709 gms/liter calculated per SCAQMD rule 443.1.

VOC Less H<sub>2</sub>O & Exempt Solvents - 709 gms/liter calculated per SCAQMD rule 443.1.

Since regulations vary, consult applicable regulations or authorities before disposal. US EPA Hazardous Waste Number = D001 (Ignitable)

**EPCRA Hazard Class:** Fire Hazard - YES; Pressure - YES; Reactivity - NO; Acute - YES; Chronic - YES

## 7. SUGGESTED FIRST AID

**Eye Contact:** Immediately flush eyes with large amounts of water. Get immediate medical attention.

**Skin Contact:** Flush skin with large amounts of water. If irritation persists, get medical attention.

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

**If Swallowed:** Do not induce vomiting. Drink two glasses of water. Call a physician.

## 8. PRECAUTIONARY INFORMATION

**Eye Protection:** Avoid eye contact with vapor, spray or mist. Wear vented goggles. Wear safety glasses with side shields.

**Skin Protection:** Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: polyethylene / ethylene vinyl alcohol, polytetrafluoroethylene (Teflon)

**Recommended Ventilation:** Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits.

**Respiratory Protection:** Avoid breathing of vapors, mists or spray.

**Prevention of Accidental Ingestion:** Do not ingest.

**Recommended Storage:** Store at temperatures below 120°F (49°C). Keep out of the reach of children.

**Fire and Explosion Avoidance:** Aerosol container contains flammable gas under pressure. Keep away from heat, sparks, open flame, and other sources of ignition. Extremely flammable liquid an vapor. Do not pierce or burn container, even after use. Avoid static discharge.

## EXPOSURE LIMITS

<u>Ingredient</u>	<u>Value / Unit</u>	<u>Type</u>	<u>Auth.</u>	<u>Skin*</u>
Hydrotreated light naphtha(petroleum)	none	none	none	
Methyl ethyl ketone	200 ppm	TWA	OSHA	
Methyl ethyl ketone	3000 ppm	STEL	OSHA	
Methyl ethyl ketone	200 ppm	TWA	ACGIH	
Methyl ethyl ketone	300 ppm	STEL	OSHA	
Isopropyl alcohol	400 ppm	TWA	ACGIH	
Isopropyl alcohol	500 ppm	STEL	ACGIH	
Isopropyl alcohol	400 ppm	TWA	OSHA	
Isopropyl alcohol	500 ppm	STEL	OSHA	

## EXPOSURE LIMITS CONT...

<u>Ingredient</u>	<u>Value / Unit</u>	<u>Type</u>	<u>Auth.</u>	<u>Skin*</u>
Propane	1000 ppm	TWA	OSHA	
Propane (simple asphyxiant)	none	none	ACGIH	
Toluene	50 ppm	TWA	ACGIH	Y
Toluene	100 ppm	TWA	OSHA	
Toluene	150 ppm	STEL	OSHA	
Xylene	100 ppm	TWA	ACGIH	
Xylene	150 ppm	STEL	ACGIH	
Xylene	100 ppm	TWA	OSHA	
Xylene	150 ppm	STEL	OSHA	
Ethylbenzene	100 ppm	TWA	ACGIH	
Ethylbenzene	125 ppm	STEL	ACGIH	
Ethylbenzene	100 ppm	TWA	OSHA	
Ethylbenzene	125 ppm	STEL	OSHA	
Isobutane	none	none	none	

**\*Skin Notation:** Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly by direct contact with the substance. Vehicles can alter skin absorption.

## 9. HEALTH HAZARD DATA

**Eye Contact:** Moderate eye irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

**Skin Contact:** Mild skin irritation: signs /symptoms can include redness, swelling and itching. May be absorbed through he skin in harmful amounts.

**Inhalation:** Intentional concentration and inhalation may be harmful or fatal. Central NERvous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness. Irritation (upper respiratory): sings/symptoms can include soreness of the nose and throat, coughing and sneezing.

*While the following effects are associated with one or more of the individual ingredients in this product and are required to be included on the MSDS by the US OSHA Hazard Communication Standard, they are not expected effects during foreseeable use of this product.*

*Peripheral Neuropathy: signs/symptoms can include tingling of the extremities, incoordination, numbness, weakness and tremors.*

**If Swallowed:** Ingestion is not a likely route of exposure to this product.

*While the following effects are associated with one or more of the individual ingredients in this product and are required to be included on the MSDS by the US OSHA Hazard Communication Standard, they are not expected effects during foreseeable use of this product.*

*Ingestion may cause: Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.*

**Reproductive / Developmental Toxins:** WARNING - Contains a chemical which can cause birth defects. (108-88-3)

## 10. OTHER INFORMATION

**Abbreviations:** n/d = not determined      n/a = not applicable      CA = approximately

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. GOODSON makes no warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or course of performance or usage of trade. User is responsible for determining whether the GOODSON product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a GOODSON product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the GOODSON product to determine whether it is fit for a particular purpose and suitable for user's method or use or application.