

# MATERIAL SAFETY DATA SHEET

Trade Name: Johnsens Disc Brake Quiet  
MSDS NO. 2412  
Revision Date: 02/04/2002

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Johnsens Disc Brake Quiet  
Chemical Family: SOLVENT  
Synonyms: None  
Emergency Telephone (24 hr.): CHEMTREC 1-800-424-9300  
Supplier:  
Technical Chemical Company, P.O. Box 139, Cleburne, Texas 76033

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient/CAS No.	wt. %	OSHA PEL TWA	OSHA PEL Ceiling Limits	ACGIH TLV TWA	ACGIH TLV STEL
Isopropyl Alcohol 67-63-0	20-99	400 ppm	Not Known	400 ppm	500 ppm
Propane 74-98-6	<5	1000 ppm	Not Known	2500 ppm	Not Known
Butane 106-97-8	<5	Not Known	Not Known	800 ppm	Not Known
Iso-Butane 75-28-5	<5	None Established	None Established	None Established	None Established
2-butoxyethanol 111-76-2	<3	50 ppm	Not Determined	20 ppm	Not Determined

## 3. HAZARDS IDENTIFICATION

**Emergency Overview:** Content under pressure. Keep away from heat, sparks and flame. Danger: Extremely flammable. Harmful if swallowed. May be fatal if swallowed. Avoid breathing vapors.

## 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:** 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:** Wash with soap and water. Remove contaminated clothing and laundry before reuse. Get medical attention if irritation persists.

## 5. FIRE FIGHTING MEASURES

### Flammable Properties

**Flash Point °F(°C):** <0 F  
**Flash Point Method:** TAG Closed Cup  
**Flammable Limits in Air - Lower (%):** NT  
**Flammable Limits in Air - Upper (%):** Not Determined  
**Autoignition Temperature °F(°C):** Not Determined  
**Extinguishing Media:** Carbon Dioxide, Dry Chemicals, Foam.

### Protection Of Fire-Fighters:

**Special Fire-Fighting Procedures:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Warning!! Contents under pressure. Container may rupture under fire conditions. Decomposition may occur.

**Hazardous Combustion Products:** Carbon Dioxide. Carbon Monoxide.

**Aerosol Comments:** NFPA Level 3 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. Wear protective equipment specified. Remove sources of ignition. Increase area ventilation. Do not puncture or incinerate container. Contents under pressure. Clean up using dry procedures; avoid dusting. Sweep or gather up material and place in proper container for disposal or recovery.

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**Environmental Precautions:** Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

**7. HANDLING AND STORAGE**

**Handling and Storage:** Danger: Extremely flammable. Caution: Contents under pressure. Keep away from heat and open flame. Do not puncture, incinerate or store above 120 F. Do not store in passenger compartment of automobile. Use only in a well ventilated area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:** Exhaust ventilation. Showers. Eyewash stations.  
**Eyes:** Wear safety glasses or goggles to protect against exposure.  
**Skin Protection:** Use chemical resistant gloves for prolonged skin contact. Rubber apron.  
**Respiratory Protection:** Use an approved NIOSH organic vapor respirator below the TLV. If TLV is exceeded or overexposure is likely, use positive pressure or self contained breathing apparatus.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear red liquid.	<b>pH Value:</b>	Not Determined
<b>Odor:</b>	TYPICAL SOLVENT	<b>Vapor Density (Air=1):</b>	Not Determined
<b>Vapor Pressure:</b>	Not Determined	<b>Melting/Freezing Point:</b>	Not determined.
<b>Boiling Point (°F):</b>	165 F	<b>Bulk Density at 20°C:</b>	Not Determined
<b>Solubility in Water:</b>	NEGLIGABLE	<b>Evaporation Rate:</b>	Not Determined
<b>Molecular Weight:</b>	Mixture	<b>Specific Gravity (H20=1):</b>	.8 @ 70 F
<b>Viscosity:</b>	Not determined.	<b>Decomposition Temperature:</b>	Not Known
<b>VOC Content(%):</b>	>60%		

**10. STABILITY AND REACTIVITY**

**Chemical Stability:** STABLE.  
**Conditions to Avoid:** Keep away from heat, sparks and flame. Temperature over 120°f.  
**Materials to Avoid:** Strong acids. Strong oxidizing agents.  
**Hazardous Decomposition Products:** Carbon monoxide. Carbon dioxide.  
**Hazardous Polymerization:** WILL NOT OCCUR

**11. TOXICOLOGICAL INFORMATION**

**Toxicological Data:**

Ingredient/CAS No.	wt. %	Route	Species	Dose
Isopropyl Alcohol 67-63-0	20-99	Inhalation	Rats	LC50 16,000 ppm
Propane 74-98-6	<5	NA	NA	Not known.
Butane 106-97-8	<5	Inhalation	Rats	LC50 658 gm/m <sup>3</sup> /4H
Iso-Butane 75-28-5	<5	Inhalation	Rats	LC50 57 pph/15M
2-butoxyethanol 111-76-2	<3	Inhalation	Rats	LC50 450 ppm/4H

**Carcinogenicity:**

Ingredient/CAS No.	wt. %	IARC	NTP	OSHA
Isopropyl Alcohol 67-63-0	20-99	Not Listed	Not Listed	Not Listed
Propane 74-98-6	<5	Not Listed	Not Listed	Not Listed
Butane 106-97-8	<5	Not Listed	Not Listed	Not Listed
Iso-Butane 75-28-5	<5	Not Listed	Not Listed	Not Listed
2-butoxyethanol 111-76-2	<3	Not Listed	Not Listed	Not Listed

**12. ECOLOGICAL INFORMATION**

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Ecological testing has not been conducted on this product.

**13. DISPOSAL CONSIDERATION**

**Waste Classification:** Not determined.

**Waste Management:** Not determined.

Disposal should be made in accordance with federal, state and local regulations.

**14. TRANSPORTATION INFORMATION**

**U.S. DOT:**

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

**IMDG:**

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

**15. REGULATORY INFORMATION**

**US Federal Regulations:**

Ingredient/CAS No.	wt. %	SARA 313	SARA 302	RQ	TPQ
Isopropyl Alcohol 67-63-0	20-99	Listed	Not Listed	NA	NA
Propane 74-98-6	<5	Not Listed	Not Listed	NA	NA
Butane 106-97-8	<5	Not Listed	Not Listed	NA	NA
Iso-Butane 75-28-5	<5	Not Listed	Not Listed	NA	NA
2-butoxyethanol 111-76-2	<3	Not Listed	Not Listed	NA	NA

**SARA 311/312 Hazard Categories:** Not Determined.

**State Regulations:**

Ingredient/CAS No.	wt. %	California Prop. 65 Cancer list	California Prop. 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
Isopropyl Alcohol 67-63-0	20-99	Not Listed	Not Listed	Not Listed	Not Listed
Propane 74-98-6	<5	Not Listed	Not Listed	Not Listed	Not Listed
Butane 106-97-8	<5	Not Listed	Not Listed	Not Listed	Not Listed
Iso-Butane 75-28-5	<5	Not Listed	Not Listed	Not Listed	Not Listed
2-butoxyethanol 111-76-2	<3	Not Listed	Not Listed	Not Listed	Not Listed

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**U.S. TSCA:** The components of this product are listed on the TSCA Inventory.

**16. OTHER INFORMATION**

**General Notes:** Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system.

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