

# MATERIAL SAFETY DATA SHEET

Trade Name: Johnsens Air Intake & Throttle Body Cleaner  
MSDS NO. 4640  
Revision Date: 04/11/2006  
Date Printed: 12/30/2008

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Johnsens Air Intake & Throttle Body Cleaner  
Chemical Family: Non-Chlorinated Hydrocarbon  
Synonyms: None  
Emergency Telephone (24 hr.): 24-Hour Emergency Information: CHEMTREC (800) 424-9300

Supplier: Technical Chemical Company, P.O. Box 139, Cleburne, Texas 76033

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Component                  | Weight % | OSHA TWA   | OSHA STEL  | OSHA SKIN  |
|----------------------------|----------|------------|------------|------------|
| Toluene<br>108-88-3        | 35-45    | Not Listed | Not Listed | Not Listed |
| Methyl Alcohol<br>67-56-1  | 30-40    | Not Listed | Not Listed | Not Listed |
| Acetone<br>67-64-1         | 20-30    | Not Listed | Not Listed | Not Listed |
| Carbon Dioxide<br>124-38-9 | 1-10     | Not Listed | Not Listed | Not Listed |

| Component                  | Weight % | OSHA Z PEL                      | OSHA Z TWA                               | OSHA Z Ceiling |
|----------------------------|----------|---------------------------------|--|----------------|
| Toluene<br>108-88-3        | 35-45    | Not Listed                      | 200 ppm<br>375 mg/m <sup>3</sup> 100 ppm | 300 ppm        |
| Methyl Alcohol<br>67-56-1  | 30-40    | 260 mg/m <sup>3</sup> 200 ppm   | 260 mg/m <sup>3</sup> 200 ppm            | Not Listed     |
| Acetone<br>67-64-1         | 20-30    | 2400 mg/m <sup>3</sup> 1000 ppm | 1800 mg/m <sup>3</sup> 750 ppm           | Not Listed     |
| Carbon Dioxide<br>124-38-9 | 1-10     | 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 |
|----------------------------|---------------|----------------|-------------------|
| Toluene<br>108-88-3        | 50 ppm        | Not Listed     | Not Listed        |
| Methyl Alcohol<br>67-56-1  | 200 ppm       | 250 ppm        | Not Listed        |
| Acetone<br>67-64-1         | 500 ppm       | 750 ppm        | Not Listed        |
| Carbon Dioxide<br>124-38-9 | 5000 ppm      | 30000 ppm      | Not Listed        |

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

## 3. HAZARDS IDENTIFICATION

**Emergency Overview:** Danger: Poison. Extremely Flammable. Content under pressure. Ingestion of even small amounts of methanol can cause blindness and death. This material is an eye and skin irritant. Harmful if absorbed through the skin. Keep away from heat, sparks and flame. Gross inhalation overexposure may cause: respiratory track irritation, kidney damage, blood, liver damage, lung damage and central nervous system depression.

**HMIS Classification:** Health: \*2 Flammability: 3 Physical Hazard: 2

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**NFPA Rating:** Health: 2 Flammability: 3 Reactivity: 0

## 4. FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
**Ingestion:** If swallowed, do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration.  
**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:** In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and shoes, and launder before reuse.

## 5. FIRE FIGHTING MEASURES

### Flammable Properties

**Flash Point °F(°C):** -4 F (Lowest Component)  
**Flash Point Method:** Not Determined  
**Flammable Limits in Air - Lower (%):** 1.2% (Lowest Component)  
**Flammable Limits in Air - Upper (%):** 7.1% (Lowest Component)  
**Autoignition Temperature °F(°C):** 725 F (Lowest Component)  
**Extinguishing Media:** Water. Dry chemical. Carbon dioxide. Alcohol 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. Formaldehyde. Formic Acid.  
**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:** Do not puncture or incinerate container. Contents under pressure. 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. Wipe, scrape, or soak up in an inert material and put in a container intended for flammable materials for disposal. Persons not trained should evacuate area.  
**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:** Caution: Contents under pressure. Keep away from heat and open flame. Use only in a well ventilated area. Ground and bond containers when transferring material. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Avoid contact with skin and eyes. 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

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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colorless liquid.  
 Odor: MILD  
 pH Value: Not Determined  
 Vapor Pressure: Not Determined  
 Vapor Density (Air=1): Approximately 2.0  
 Boiling Point (°F): 133 F (Lowest Component)  
 Melting/Freezing Point: < -110 F.  
 Solubility in Water: approximately 75%  
 Bulk Density at 20°C: Not Determined  
 Molecular Weight: Mixture  
 Specific Gravity (H2O=1): .86  
 Viscosity: Not Determined.  
 Evaporation Rate: Not Determined  
 VOC Content(%): Not Determined.  
 Decomposition Temperature: Not Determined

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions of handling, use and transportation.  
**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:** Strong oxidizers. Chromic Anhydride. Phosphorous Trioxide. Lead Perchlorate. Perchloric Acid and Ethyl Alcohol. Iodine. Mercuric Oxide and Ethyl Alcohol. Sodium or Potassium Hydroxide and Chloroform. Nitric acid. Sulfuric Acid. Alkalies. Chlorine compounds. Potassium t-butoxide. Certain reactive metals, hydrides, moist cesium monoxide, or lithium acetylene carbide diamino may ignite. Passing carbon dioxide over a mixture of sodium peroxide and aluminum or magnesium may explode.  
**Hazardous Decomposition Products:** Carbon monoxide. Carbon dioxide. Formaldehyde. Formic acid.  
**Hazardous Polymerization:** WILL NOT OCCUR

## 11. TOXICOLOGICAL INFORMATION

**Toxicological Data:**

| Component                  | Route      | Species | Dose                             |
|----------------------------|------------|---------|----------------------------------|
| Toluene<br>108-88-3        | Inhalation | Rats    | LC50 49 gm/m <sup>3</sup> /4H    |
| Methyl Alcohol<br>67-56-1  | Inhalation | Rats    | LC50 64,000 ppm                  |
| Acetone<br>67-64-1         | Inhalation | Rats    | LC50 50100 mg/m <sup>3</sup> /8H |
| Carbon Dioxide<br>124-38-9 | NA         | NA      | Not known.                       |

**Carcinogenicity:**

| Component                  | IARC                       | NTP        | OSHA       |
|----------------------------|----------------------------|------------|------------|
| Toluene<br>108-88-3        | Group 3 (not classifiable) | Not Listed | Not Listed |
| Methyl Alcohol<br>67-56-1  | Not Listed                 | Not Listed | Not Listed |
| Acetone<br>67-64-1         | Not Listed                 | Not Listed | Not Listed |
| Carbon Dioxide<br>124-38-9 | Not Listed                 | Not Listed | Not Listed |

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## 12. ECOLOGICAL INFORMATION

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

## 13. DISPOSAL CONSIDERATION

**Waste Classification:** Residues and spilled material are hazardous waste due to ignitability.  
**Waste Management:** Recovery and reuse, rather than disposal, should be the ultimate goal of handling efforts.  
**Disposal Method:** 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 (Limited Quantity)  
**Hazard Class:** 2.1  
**Hazard Subclass:** Not determined.  
**UN No.:** UN1950  
**Packing Group:** Not Applicable.  
**Marine Pollutant:** No

## 15. REGULATORY INFORMATION

**US Federal Regulations:**

| Component                  | SARA 313   | SARA 302   | TPQ        | RQ         |
|----------------------------|------------|------------|------------|------------|
| Toluene<br>108-88-3        | Listed.    | Not Listed | Not Listed | Not Listed |
| Methyl Alcohol<br>67-56-1  | Listed.    | Not Listed | Not Listed | Not Listed |
| Acetone<br>67-64-1         | Not Listed | Not Listed | Not Listed | Not Listed |
| Carbon Dioxide<br>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.

**State Regulations:**

| Component                  | California Prop. 65<br>Cancer list | California - Prop 65<br>Developmental Toxicity  | California Prop. 65<br>Reproductive Female | California Prop. 65<br>Reproductive Male |
|----------------------------|------------------------------------|---|--|--|
| Toluene<br>108-88-3        | Not Listed                         | Listed: January 1, 1991<br>Developmental toxin. | Not Listed                                 | Not Listed                               |
| Methyl Alcohol<br>67-56-1  | Not Listed                         | Not Listed                                      | Not Listed                                 | Not Listed                               |
| Acetone<br>67-64-1         | Not Listed                         | Not Listed                                      | Not Listed                                 | Not Listed                               |
| Carbon Dioxide<br>124-38-9 | Not Listed                         | Not Listed                                      | Not Listed                                 | Not Listed                               |

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| Component                  | New Jersey Right-to-Know List:   |
|----------------------------|--|
| Toluene<br>108-88-3        | Substance no. 1866<br>Substance no. 2422<br>Substance no. 2423<br>Substance no. 2425<br>Substance no. 2426<br>Substance no. 2427<br>Substance no. 2428<br>Substance no. 2429<br>Substance no. 2430                       |
| Methyl Alcohol<br>67-56-1  | Substance no. 2079<br>Substance no. 2422<br>Substance no. 2423<br>Substance no. 2425<br>Substance no. 2426<br>Substance no. 2427<br>Substance no. 2428<br>Substance no. 2429<br>Substance no. 2430<br>Substance no. 1222 |
| Acetone<br>67-64-1         | Substance no. 0006<br>Listed<br>Substance no. 2422<br>Substance no. 2423<br>Substance no. 2425<br>Substance no. 2426<br>Substance no. 2427<br>Substance no. 2428<br>Substance no. 2429<br>Substance no. 2430             |
| Carbon Dioxide<br>124-38-9 | Substance no. 0343   |

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