MATERIAL SAFETY DATA SHEET

Trade Name: NAPA Brake Parts Cleaner (Low VOC)
MSDS NO.: 4810
Revision Date:
Date Printed 09/29/2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: NAPA Brake Parts Cleaner (Low VOC)
Chemical Family: Non-Chlorinated Hydrocarbon
Synonyms: None
Emergency Telephone (24 hr.): 24-Hour Emergency Information: CHEMTREC (800) 424-9300
Supplier: NAPA, P. O. Box 421268, Indianapolis, IN 46241

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient/CAS No.</th>
<th>wt.%</th>
<th>OSHA PEL TWA</th>
<th>OSHA PEL Ceiling Limits</th>
<th>ACGIH TLV TWA</th>
<th>ACGIH TLW STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone 67-64-1</td>
<td>45-55</td>
<td>1000 ppm</td>
<td>750 ppm</td>
<td>500 ppm</td>
<td>750 ppm</td>
</tr>
<tr>
<td>Toluene 108-88-3</td>
<td>20-30</td>
<td>100 ppm</td>
<td>150 ppm</td>
<td>100 ppm</td>
<td>150 ppm</td>
</tr>
<tr>
<td>Methanol 67-56-1</td>
<td>20-30</td>
<td>200 ppm</td>
<td>Not Known</td>
<td>200 ppm</td>
<td>250 ppm</td>
</tr>
<tr>
<td>Carbon Dioxide 124-38-9</td>
<td>5-15</td>
<td>5000 ppm (exposures &lt;10,000 ppm to be cited de minimus)</td>
<td>Not Known</td>
<td>5000 ppm</td>
<td>30,000 ppm</td>
</tr>
</tbody>
</table>

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

3. HAZARDS IDENTIFICATION

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

HMIS Classification: Health: *2 Flammability: 3 Physical Hazard: 2
NFPA Rating: Health: 2 Flammability: 3 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: 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): -20 F (Lowest Component)
Flash Point Method: TAG Closed Cup
Flammable Limits in Air - Lower (%): 2.5% (Lowest Component)
Flammable Limits in Air - Upper (%): 12.8% (Lowest Component)
Autoignition Temperature °F(°C): 725 F (Lowest Component)
Extinguishing Media: Alcohol foam. Carbon dioxide. Dry chemical. Use water spray to keep containers cool that are exposed to heat or flames.
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**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.

**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. Avoid all sources of ignition; heat, sparks and open flames. Persons not trained should evacuate area. 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/PERSOAL PROTECTION**

**Engineering Controls:** Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Showers. Eyewash stations. 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:** Colorless to pale yellow 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:** 64 %

**Bulk Density at 20°C:** Not Determined

**Molecular Weight:** Mixture

**Specific Gravity (H2O=1):** .81 @ 68 F.

**Viscosity:** Not Determined.

**Evaporation Rate:** Not Determined

**VOC Content(%):** 44.9 %

**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.


**Hazardous Decomposition Products:** Carbon monoxide. Carbon dioxide. Formaldehyde.

**Hazardous Polymerization:** WILL NOT OCCUR

**11. TOXICOLOGICAL INFORMATION**

Toxicological Data:
12. ECOLOGICAL INFORMATION

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: Not determined.

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: Not Applicable.
Marine Pollutant: No

15. REGULATORY INFORMATION

US Federal Regulations:
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Ingredient/CAS No. | wt. % | SARA 313 | SARA 302 | RQ | TPQ
---|---|---|---|---|---
Acetone 67-64-1 | 45-55 | Not Listed | Not Listed | NA | NA
Toluene 108-88-3 | 20-30 | Listed | Not Listed | 1000 lbs. | NA
Methanol 67-56-1 | 20-30 | Listed | Not Listed | NA | NA
Carbon Dioxide 124-38-9 | 5-15 | Not Listed | Not Listed | NA | NA

Hazardous per OSHA 29 CFR 1910.1200

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
---|---|---|---|---|---
Acetone 67-64-1 | 45-55 | Not Listed | Not Listed | Not Listed | Not Listed
Toluene 108-88-3 | 20-30 | Not Listed | Listed, Developmental toxicity: initial date 1/1/91 | Not Listed | Not Listed
Methanol 67-56-1 | 20-30 | Not Listed | Not Listed | Not Listed | Not Listed
Carbon Dioxide 124-38-9 | 5-15 | Not Listed | Not Listed | Not Listed | Not Listed

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.

Disclaimer: 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.