

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

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

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. Wear proper protective equipment as specified in the protective equipment section. Remove sources of ignition. 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/PERSONAL 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.
Materials to Avoid: Contact with oxidizing agents. Sulfuric Acid. Nitric acid. Chlorine compounds. Strong acids. Alkalis. Potassium t-butoxide. Nitrogen Tetraoxide. Methanol has an explosive reaction with chloroform + sodium methoxide and diethyl zinc. Methanol has a violent reaction with alkyl aluminum salts, acetyl bromide, chloroform + sodium hydroxide, cyanuric chloride, nitric acid, etc. Beryllium Dihydride. Magnesium. Strong bases.
Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. Formaldehyde.
Hazardous Polymerization: WILL NOT OCCUR

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

Ingredient/CAS No.	wt. %	Route	Species	Dose
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Acetone 67-64-1	45-55	Inhalation	Rats	LC50 50100 mg/m3/8H
Toluene 108-88-3	20-30	Inhalation	Rats	LC50 49 gm/m3/4H
Methanol 67-56-1	20-30	Inhalation	Rats	LC50 64,000 ppm
Carbon Dioxide 124-38-9	5-15	NA	NA	Not known.

Carcinogenicity:

Ingredient/CAS No.	wt. %	IARC	NTP	OSHA
Acetone 67-64-1	45-55	Not Listed	Not Listed	Not Listed
Toluene 108-88-3	20-30	Group 3 (not classifiable)	Not Listed	Not Listed
Methanol 67-56-1	20-30	Not Listed	Not Listed	Not Listed
Carbon Dioxide 124-38-9	5-15	Not Listed	Not Listed	Not Listed

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:

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