

WARREN OIL COMPANY, INC.

MATERIAL SAFETY DATA SHEET

Warren Oil Company, Inc.
Hwy 301 North
PO Box 1507
Dunn, NC 28335
910-892-6456

Product: Warren Non-Chlorinated Brake Parts Cleaner

Section 1: Product Identification

Chemical Name: Mixture of Hydrocarbon
Synonym(s)/Common Name(s): Non-Chlorinated Brake Cleaner

Chem Formula: NA Mixture
CAS Number: NA Mixture

DOT Ship Name: Aerosol
DOT Haz Class: 2.1
DOT ID Number: UN1950

Chemtrec: 1-800-CMA-8200

IMCO Shipping Name: Aerosols
IMCO Hazard Class: 9
IMCO I.D. #: 1950

Hazard Ratings: Health 2 Flammability 2 Reactivity 0

Section 2: Hazardous Ingredients

Ingredient	OSHA PEL/ACGIH TLV	CAS Number	Percent
Toluene	300 PPM/100 PPM	108-88-3	<20.00
Methanol	250 PPM/200 PPM	67-56-1	<40.00
Hexane	1000 PPM/100 PPM	110-54-3	<40.00

Section 3: Physical Characteristics

Section 4: Fire and Explosion

Decomposition Products Under Fire Conditions: Carbon monoxide, carbon dioxide from burning.

Hazardous Polymerization: Will not occur

"Empty" Container Warning: Recycle or dispose of observing Local, State & Federal Health, Safety & pollution laws. If questions exist, contact the appropriate agency.

Extinguishing Media and Fire Fighting Procedures: NFPA Class B extinguishers (Carbon dioxide or foam) for

Class I B liquid fires.

Flash Point (min.): -26 deg C / -16 deg F (TCC) (Lowest component)

Flammable or Explosive Limits (APRX. % by volume in air)

Lower Flammable Limit in Air: 3.8

Handling Precautions: Isolate from oxidizers, heat sparks, electric equipment & open flame use only with adequate ventilation. Avoid breathing of vapor or spray mist. Avoid contact with skin & eyes. Wear OSHA standard goggles or face shield. Consult safety equipment supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw, drill, braze, or weld. Empty container very hazardous! Continue all label precautions.

Special Fire Fighting Procedures: Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

Section 5: Reactivity Data

Reactivity: This product is considered stable. Conditions to Avoid - Isolate from oxidizers, heat, sparks, electric equipment & open flame. Materials to Avoid - Isolate from strong oxidizers such as permanganates chromates & peroxides.

Section 6: Health Hazard Data

Eye Contact: Primary irritation to eyes, redness, tearing, blurred vision. Liquid can cause eye irritation. Wash thoroughly after handling. For eyes, immediately flush with plenty of water for 15 minutes & call a physician.

Ingestion: Can be fatal or cause blindness if swallowed. Cannot be made non-poisonous. Class B poison! Can cause irreversible nervous system damage & death. Harmful or fatal if swallowed. Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea. Do not induce, call a physician immediately!! Never induce vomiting or give anything by mouth to an unconscious person. Have patient lie down and keep warm. Cover eyes to exclude light. Call a physician IMMEDIATELY!!!

Inhalation: Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. Breathing vapor can cause irritation. Acute overexposure can cause damage to kidneys, blood, nerves, liver & lungs. Repeated exposure over TLV can cause blindness. After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration. Call a physician immediately.

Skin Contact: Primary irritation to skin, defatting, dermatitis. Absorption thru skin increases exposure. In case of contact with skin, immediately remove contaminated clothing wash thoroughly with soap & water. Wash contaminated clothing before reuse. (Discard contaminated shoes).

Section 7: Precautions for Safe Handling and Use

Precautions for Handling: *****EXTREMELY FLAMMABLE!!!!***** Vapors can cause flash fire ***** Keep container tightly closed. Isolate from oxidizers, heat, sparks, electric equipment & open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surface requires special precautions. Empty container very hazardous! Continue all label precautions!

Section 8: Industrial Hygiene Control Measures

Industrial Hygiene Control Measures: Wear OSHA standard goggles or face shield. Consult safety equipment supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

Section 9: Special Precautions

Eye Protection: Wear OSHA standard goggles or face shield.

Protective Gloves: Wear chemical gloves impervious to this material.

Protection and Precautions: Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone.

Spill or Leak Procedures: Stop spill at source, dike area & contain. Clean up remainder with absorbent materials. Mop up & dispose of. Persons without proper protection should be kept from area until cleaned up.

Ventilation: Local exhaust will be adequate.

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