MINERAL BRAKE FLUID

Version: 1.2
Released: 2022-11-07 Revision Date: 2023-05-10

1. IDENTIFICATION OF THE SUBSTANCE / APPLICATION AND THE COMPANY

1.1 Product Identifier

Trade Name: Mineral Brake Fluid
Product Number:

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use: Brake fluid

Restrictions on Use: None known

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer: Maxima Racing Oils
9266 Abraham Way
Santee, CA 92071
USA
Information Phone Number: +1 619 449 5000
E-mail: info@maximausa.com

1.4 Emergency Telephone Number

Emergency Spill Information: CHEMTREC +1 703 527 3887 (24 hours)
UFI: 6VF5-1GW3-T50D-0RRR

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

CLP (1272/2008) Classification:
Aspiration Toxicity Category 1 (H304)
Acute Toxicity Category 4 (H332)

2.2 Label Elements
Danger



Hazard Statements	Precautionary Phrases
H332 Harmful if inhaled	P261 Avoid breathing mist / vapours.

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H304 May be fatal if swallowed and enters airways	P271 Use only outdoors or in a well-ventilated area. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor. P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P331 Do NOT induce vomiting. P405 Store locked up. P501 Dispose of contents and container in accordance with local and national regulations.

2.3 Other Hazards: Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.
The product does not contain any components with known endocrine disrupting properties.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture

Chemical Name	CAS#	EINECS#	REACH registration#	CLP Classification	% w/w
1-Decene, Dimer, Hydrogenated	68649-11-6	500-228-5	01-2119537268-33-xxxx	Acute Toxicity 4 (H332) Aspiration Toxicity 1 (H304)	80-100

The exact percentage and composition are being withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Eye: Flush eyes with water for several minutes. Remove contact lenses, if present and easy to do so. If eye irritation persists, get medical attention.
Skin: Wash skin with soap and water. Remove clothing and shoes if contaminated. Launder clothing before reuse. If irritation or rash develops, get medical attention.
Inhalation: If inhaled immediately remove to fresh air. If irritation or difficulty in breathing occurs, get immediate medical attention.
Ingestion: Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

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4.2 Most Important symptoms and effects, both acute and delayed: Harmful if inhaled. Inhalation of vapours or mist may cause central nervous system effects such as headache, dizziness, drowsiness, nausea and unconsciousness. May cause mild eye irritation. Prolonged skin contact may cause irritation. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Aspiration during swallowing or vomiting may cause lung damage.

4.3 Indication of any immediate medical attention and special treatment needed: As a general rule, and in all cases of doubt or when symptoms persist, always seek medical attention. Never give anything by mouth to an unconscious person.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

5.2 Special Hazards Arising from the Substance or Mixture

Unusual Fire and Explosion Hazards: This material will burn although it is not easily ignited.
Combustion Products: Combustion will produce carbon oxides and unidentified organic compounds.

5.3 Advice for Fire-Fighters:

Special Fire Fighting Procedures: Firefighters should wear full emergency equipment and an approved positive pressure self-contained breathing apparatus. Cool exposed intact containers with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:
Wear appropriate protective equipment. Wash thoroughly after handling. See also: “Personal Protection "section 8.

6.2 Environmental Precautions:
Avoid release into the environment. Report spill as required by local and national regulations.

6.3 Methods and Material for Containment and Cleaning Up:
Dike spill and collect with an inert absorbent. Place into closable containers for disposal. Collected material is handled in accordance with section 13 "Disposal Considerations".

6.4 Reference to Other Sections: Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Avoid breathing vapours and mists. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Remove oil-soaked clothing and launder before re-use.

7.2 Conditions for Safe Storage, Including any Incompatibilities: Store in a cool area away from oxidising agents. Protect containers from physical damage.

7.3 Specific end use(s): The product is to be used as a brake fluid. If inhalation of vapours and mists cannot be prevented appropriate personal protective equipment should be used. Prolonged contact with the skin should be prevented due to the risk of skin dryness and cracking.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters: Refer to country-specific legislation for specific requirements where not listed below.

Chemical Name	Exposure Limits
1-Decene, Dimer, Hydrogenated	5 mg/m^3 AGW (DE TRGS 900) (DE)

8.2 Exposure Controls:

Appropriate Engineering Controls: Use with adequate local exhaust ventilation to minimise exposure. Use explosion proof equipment where required.
Respiratory Protection: If the exposure is excessive or irritation is experienced, an approved particulate/organic vapour respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with local regulations and good industrial hygiene practice.
Skin Protection: Wear impervious gloves in accordance with EN 374 to avoid skin contact. Protective clothing if needed to avoid skin contact and contamination of personal clothing. Suitable washing should be available in the work area. Contaminated clothing should be removed and laundered before re-use.
Eye Protection: Wear chemical goggles in accordance with EN 166 to prevent eye contact.
Other Protective Equipment: None should be needed under normal use conditions. In Europe follow EN 13034.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties

Physical state	Liquid
Colour	Green
Odour	Mild
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	215°C

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Flammability	Combustible liquid
Lower and upper explosion limit	No data available
Flash Point	160°C
Auto-ignition temperature	324°C
Decomposition temperature	No data available
pH	No data available
Kinematic viscosity	<20.5 cSt @40°C
Solubility	Soluble in hydrocarbons; insoluble in water
Partition Coefficient: n-octanol/water (log value)	No data available
Vapour Pressure	1.00 mm Hg (75°C)
Density and/or relative density	0.83 (15°C)
Relative vapour density	No data available
Particle characteristics	No data available

9.2 Other Information: None available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Not expected to be reactive

10.2 Chemical Stability: Stable

10.3 Possibility of Hazardous Reactions: None known.

10.4 Conditions to Avoid: Avoid temperatures over 50°C, open flames and sparks.

10.5 Incompatible Materials: Avoid contact with strong oxidising agents.

10.6 Hazardous Decomposition Products: Thermal decomposition may produce carbon oxides and unidentified organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute Toxicity Values:

ATE_{mix}	1.33 mg/L/4 hr (aerosol)
Main component	Oral rat LD50 >5000 mg/kg Inhalation rat LC50 1.17 mg/L/4 hr (dust/mist) Dermal rabbit LD50 >3000 mg/kg

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Skin corrosion/irritation: The product does not meet the criteria to be classified as a skin irritant.

Eye damage/irritation: The product does not meet the criteria to be classified as an eye irritant.

Respiratory Irritation: The product does not contain any components that are respiratory irritants.

Respiratory Sensitization: The product does not contain any components that are respiratory sensitisers.

Skin Sensitization: The product does not contain any components that are skin sensitisers.

Germ Cell Mutagenicity: The product does not contain any components that are germ cell mutagens.

Carcinogenicity: None of the components of this product present at 0.1% or greater are listed as carcinogens by IARC, NTP or the EU CLP.

Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.

Specific Target Organ Toxicity:

Single Exposure: No data available

Repeat Exposure: No data available

Aspiration Hazard: This product does meet the criteria of an aspiration hazard as the kinematic viscosity is below 20.5 cSt @ 40°C.

Symptoms and delayed and immediate effects as well as chronic effects from short and long-term exposure:

Eye Contact: May cause mild irritation.
Skin Contact: Prolonged or repeated contact may cause mild irritation or dryness. Repeated skin contact may cause non-allergic dermatitis.
Inhalation: Inhalation of vapours or mist may cause central nervous system effects such as headache, dizziness, drowsiness, nausea and unconsciousness.
Ingestion: Swallowing large amounts may cause gastrointestinal effects including nausea and diarrhoea. Aspiration during swallowing or vomiting may cause lung damage.

Chronic Effects of Overexposure: Used motor oils have been found to cause skin cancer in skin painting studies with laboratory animals.

11.2 Information on other hazards:
Endocrine Disrupting Properties:
The product does not contain any components with known endocrine disrupting properties at levels of 0.1% or higher.

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SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Main component	96 hr LL50 *Oncorhynchus mykiss* >1000 mg/L 48 hr EL50 *Daphnia magna* >1000 mg/L 72 hr EL50 *Scenedesmus capricornutum* >1000 mg/L

12.2 Persistence and Degradability

Main component	Expected to be inherently biodegradable.

12.3 Bioaccumulative Potential

Main component	Not expected to bioaccumulate.

12.4 Mobility in Soil

Main component	No data available.

12.5 Results of PBT and vPvB Assessment: Components do not meet the criteria of PBT or vPvB.

12.6 Endocrine Disrupting Properties: The product does not contain any components with known endocrine disrupting properties at levels of 0.1% or higher.

12.7 Other Adverse Effects: None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:
Dispose in accordance with all local and national regulations.

SECTION 14: TRANSPORTATION INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
EU ADR/RID	None	Not Regulated	None	None	
IMDG	None	Not Regulated	None	None	
IATA/ICAO	None	Not Regulated	None	None	

14.6 Special Precautions for User: Not applicable

14.7 Maritime transport in bulk according to IMO instruments: Not applicable – product is transported only in packaged form

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

This SDS conforms to Regulation (EU) No. 1907/2006 and 2020/878.
Label in accordance with Regulation (EC) No. 1272/2008 (CLP).

Regulation (EC) No 1907/2006, REACH Article 59(1), Candidate List:
None present or none present in regulated quantities.

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:
None present or none present in regulated quantities.

Regulation (EC) No 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use:
None present or none present in regulated quantities.

15.2 Chemical Safety Assessment:
The supplier has not carried out a chemical safety assessment for the mixture.

SECTION 16: OTHER INFORMATION

Supersedes: December 10, 2020
Date Updated: May 10, 2023
Revision Summary: September 26, 2022 – Added UFI code
November 7, 2022 – Updated physical properties
May 10, 2023 – Revision according to Regulation (EU) 2020/878, sections: 2, 3, 5, 8, 9, 11, 12, 14 and 15

CLP Classification for Reference (See Sections 2 and 3):
Asp. Tox. 1 Aspiration Toxicity Category 1
Acute Tox. 4 Acute Toxicity Category 4
H304 May be fatal if swallowed and enters airways
H332 Harmful if inhaled
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The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.