



SAFETY DATA SHEET

pursuant to Regulation EC No. 1907/2006

Trade Name: MOGUL 2T (SAE 40, SAE 20W-30)

Date of Issue: 2008-04-07

Date of Change: 2008-09-04

1. IDENTIFICATION OF SUBSTANCE OR PREPARATION AND IDENTIFICATION OF COMPANY OR ENTERPRISE

1.1 Identification of Substance or Preparation:

Trade Name:

MOGUL 2T (SAE 40, SAE 20W-30)

Chemical Name: preparation

1.2 Application of Substance or Preparation:

Motor oil.

1.3 Identification of Company or Enterprise:

Firm Name: PARAMO, a.s.

Registered Office: Přerovská 560, 530 06 Pardubice

Identification Number: 48173355

Telephone: +420 466 810 111

Fax: +420 466 335 019

Person Responsible for the Safety Data Sheet: ladislava.vichova@paramo.cz (466 810 362)

www.paramo.cz

1.4 Telephone Numbers in case of Emergency:

Control room of PARAMO, a.s.: +420 466 303 175, +420 321 750 401

Toxicological Information Centre in Prague, tel.: +420 224 919 293

TRINS (Transportation Information and Emergency System) tel. +420 476 709 826

2. RISK IDENTIFICATION

Under Act N. 356/2003 Coll., as amended, this product is not under classification as a dangerous product.

Classification: not stated

Symbol: not stated

R-sentence: not stated

Flammable liquid: There is a danger of combustion in case of heating-up above the temperature of inflammation point.

In case of long-term or repeated exposure to this product it can cause eyes or skin irritation.

Prolonged period of direct exposure to this product can cause skin grease removal and subsequent irritation.

Inhalation of oil vapour can cause irritation of the respiratory system.

Long-term environmental impacts of this product are not anticipated.

3. COMPOSITION OR INFORMATION ABOUT COMPONENTS

3.1 Components (chemical substances) of Preparation with dangerous properties

Name of chemical substance	Content of chemical substance in product in %	EC No.	CAS	Symbols	R-sentences
Mineral (base) oils	Exposure limits see Article 8.1.				
Base oils used in this preparation contain less than 3 % DMSO extraction according to IP 346. According to note L in the List of products under classification they are not under the classification as dangerous substances.					

3.2 Information about PBT

According to criteria in Annex XIII. of EC Regulation this product does not contain persistent substances, bio-cumulative substances and toxic substances or highly persistent substances or bio-cumulative substances.

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4. FIRST AID INSTRUCTIONS

4.1 General Instructions:

At manipulation you must maintain the rules for working hygiene. Remove clothes and footwear contaminated by this preparation.

4.2 Exposure by inhalation:

Access of fresh air must be enabled in case of inhalation of aerosol.

4.3 Contact with skin:

In case of contact of skin with the preparation lesion must be immediately properly washed off by water and soap, treat with using appropriate cream.

4.4 Contact with eyes:

Wash out by stream of preferably tepid water for at least 15 minutes.

4.5 Ingestion:

Rinse out mouth by water, do not produce vomiting.

5. FIRE CONTROL

5.1 Appropriate extinguishers: Extinguishing powder, extinguishing foam, CO₂, etc.

5.2 Inappropriate extinguishers: Water stream.

5.3 Special hazard: Products of combustion and hazardous gases: smoke, carbon monoxide, carbon dioxide, nitrogen oxide, sulphur oxide and phosphorus oxide.

5.4 Special protective means for firemen: Intervention units exposed to smoke or gases must be equipped with protective means to protect the respiratory system and eyes. It is necessary to use an insulating respirator in case of intervention in closed rooms.

6. MEASURES IN CASE OF ACCIDENTAL RELEASE

6.1 Preventive measures to protect human health:

To protect against contamination of cloths and footwear by this product and contact with skin and eyes. Use appropriate protective cloths. Contaminated cloths must be immediately removed. All persons, who do not participate in rescue operation, must stay in adequate distance.

6.2 Preventive measures to protect environment:

Prevent against expansion of release of preparation and release of preparation into environment, entry into the sewer system, underground water and surface water and soil, the best method with delimitation of the area. Notify relevant institutions.

6.3 Recommended methods of cleaning and disposal:

In case of extensive release the product must be localized and if possible drawn or mechanically removed, drawn back from water surface. Let reminders of product or small quantity infusing into appropriate sorbent (Vapex, Chezacarb, sawdust, sand) and put into appropriate marked containers intended for next disposal in accordance with the valid law regulating disposal of waste.

7. MANIPULATION AND STORAGE

7.1 Manipulation:

Building must be equipped according to the relevant regulation ČSN 75 3415. At manipulation with heavy packages use appropriate handling means. Prevent against diffusion of the product – there is a danger of slipping.

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7.2 Storage:

Store in tightly closed packages in places protected against rain, dust, heat and other weather conditions. Maximum storage temperature is 40 °C.

7.3 Specific use: Motor oil.

8. LIMITATION OF EXPOSURE / PERSONAL PROTECTIVE MEANS

8.1 Limit exposure values:

PEL	mineral oils (aerosol): 5 mg/m ³
NPK-P	mineral oils (aerosol): 10 mg/m ³

8.2 Limitation of exposure:

Observing the general safety and hygienic means, do not eat, do not drink and do not smoke. After washing skin by warm water and soap use a regeneration cream as protection.

8.2.1 Limitation of exposure of workers:

Official Bulletin L 399, 30.12.1989 – amended by EC Regulation No. 1883/2003.

Protection of the respiratory system: not necessary unless concentration of vapour in air exceeds the concentration limits. In case of exceeding the concentration limits or in case of production of aerosol it is necessary to use a protective mask with A filter, AX (brown) filter or another appropriate type protecting against organic gases and vapour of organic substances.

Protection of hands: protective gloves resistant to oil, the best from nitrile or neoprene rubber. Improper material – leather or thick cloth.

Protection of eyes: protective glasses or a protective shield.

Protection of skin: working cloths, improper material – thick cloth.

Other data: not stated

8.2.2 Limitation of exposure of environment

See Item 2.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General Data:

State at 20 °C:	liquid
Colour:	brown
Odour (smell):	characteristic, petroleum

9.2 Important information with respect to the protection of health, safety and environment:

Density (at 15 °C):	875 kg/m ³
Boiling-point range:	not stated
Inflammation point OK:	above 210 °C
Fire point:	above 230 °C

Concentration limit of explosibility: under usual conditions it does not produce explosive vapours

Water solubility: insoluble

Kinematic viscosity at 100 °C:	SAE 40	14.2 – 17.4 mm ² /s
	SAE 20W-30	9.5 – 12.0 mm ² /s

Distribution coefficient n-octanol/water: not stated

9.3 Other data:

Vapour pressure (at 20 °C):	< 0,01 kPa
Ignition temperature:	above 350 °C
Liquidity point:	-21 °C

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10. STABILITY AND REACTIVITY

The preparation is stable under observance of the prescribed methods of storage, manipulation and use.

10.1 Conditions to be avoided:

Heating-up to high temperature, occurrence of sources of ignition, contact with open fire.

10.2 Materials to be avoided:

oxidizers

10.3 Dangerous products from decomposition:

In case of overheating or combustion under lack of air possible production of carbon monoxide.

11. TOXICOLOGY INFORMATION

Oral toxicity LD ₅₀ (rat)	> 2000 mg/kg
Dermal toxicity (rat)	> 2000 mg/kg
LC ₅₀	it is not known

Irritation of skin: The product is not considered as irritating skin. In case of long-term exposure it can cause irritation.

Irritation of eyes: The product is not considered as irritating eyes.

Sensibilization: On the basis of current knowledge it does not have sensibilization effects.

Carcinogenic effects: not expected

Mutagenic effects: not expected

Toxicity for reproduction: not expected

Sub-chronic – chronic toxicity: it is not known

12. ECOLOGICAL INFORMATION

12.1 Ecological toxicity:

Acute toxicity for water environment: not determined, not stated

Toxicity for soil organisms: not stated

12.2 Mobility: Not expected.

12.3 Persistence and dissolubility: Insoluble in water, persistence in organisms is not expected. Biological dissolubility (CEC-L-33-A-93): low

12.4 Bio-cumulative potential: Not stated. On the basis of log P o/w value of similar products it can be expected as very low.

12.5 Results of PBT evaluation: See Article 3.2.

12.6 Other adverse reactions: Creation of a layer on water surface prevents against entry of oxygen.

13. INSTRUCTIONS FOR LIQUIDATION

Methods of disposal of liquid: Waste or unused reminders must be delivered to a person authorized to disposal of waste pursuant to Act N. 185/2001 Coll., on Waste, for the purpose of use or disposal (according to instructions from the manufacturer).

Waste code: N 130205, at sorbent: N 150202

Methods of disposal of contaminated packages: Used and empty package must be delivered to a collection place determined for dangerous waste material. Packages with reminders of the product must be delivered to a place determined by the municipality office or to a person authorized to disposal of waste.

Legal regulations about waste: Act N. 185/2001 Coll., on Waste, as amended, and relevant implementation public notices and regulations.

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14. INFORMATION FOR TRANSPORTATION

The product is not dangerous for road transportation and railway transportation.
The product is not dangerous for air transport.
UN code was not allocated to this product.

15. INFORMATION ABOUT REGULATIONS

15.1 Classification and marking pursuant to Act N. 356/2003 Coll., as amended.

Symbol: not stated
Indication of danger: not stated
It contains: not stated
R-Phrase: not stated
S-Phrase: not stated

16. OTHER INFORMATION

16.1 List of R-Phrase and S-Phrase (Article 3.1 + Article 15.1)

16.1.1 Standard phrase marking a specific risk degree (R-Phrase):
Not stated.

16.1.2 Standard instructions applicable to safe handling (S-Phrase):
Not stated.

Instructions for training: Not necessary.
Recommended limited use: Not stated.

16.2 Information about other legal regulations

16.2.1 Act N. 86/2002 Coll., on Air Environment, as amended.

The product does not represent a volatile organic substance pursuant to Act N. 86/2002 Coll., as amended, and relevant regulations of the Ministry of Environment.

16.2.2 ČSN 65 0201 Flammable liquids – Premises for production, storage and manipulation.
According to ČSN 65 0201 the product is included into IV. class of flammability.

16.2.3 ČSN 33 0371 Inexplosive electrical installation – Explosive mixtures – Classification and methods of testing
According to ČSN 33 0771 the product was included into the temperature class T2.

16.2.4 ČSN 75 3415 Protection of water against oil substances and their storage. Objects designed for manipulation with oil and their storage.

16.2.5 Act N. 356/2003 Coll., as amended by Act N. 434/2005 Coll., on Chemical Substances and Chemical Preparations, and on amendments of some Acts.

16.2.6 Act N. 258/2000 Coll., on Protection of Public Health, as amended.

16.3 Information about changes

Change – Regulation EC 1907/2006

16.4 Data contained in this Safety Data Sheet only apply to the mentioned product and correspond with our current knowledge and experiences. User shall be responsible for proper treatment with the product according to the valid regulations.