

Maxol Multipurpose EP2 Black

Revision date 03-Oct-2019

Supersedes date 13-Jun-2019

Version 3

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier****Product name** Maxol Multipurpose EP2 Black**1.2. Relevant identified uses of the substance or mixture and uses advised against****Recommended use** Lubricating grease only for industrial use.**1.3. Details of the supplier of the safety data sheet****Manufacturer**Maxol Lubricants Limited
Unit D, Airport Business Campus
Santry
Dublin, Ireland
Telephone: +353 1 806 0300**For further information, please contact**

info@axelch.com

| | |
|--|---|
| Emergency telephone - §45 - (EC)1272/2008 | |
| Europe | 112 |
| Ireland | National Poisons Information Centre Beaumont Hospital: Intended solely to inform +353 1 809 2566 professionals in acute poisoning |

Section 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Symbols/Pictograms None**Signal word** None**EU Specific Hazard Statements**

EUH210 - Safety data sheet available on request

EUH208 - Contains (Naphthenic acids, zinc salts, basic). May produce an allergic reaction.

2.3. Other hazards

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

| Chemical name | EC No | CAS No | weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH registration number |
|-------------------------------------|-----------|------------|----------|--|---------------------------|
| Naphthenic acids, zinc salts, basic | 282-762-6 | 84418-50-8 | <1 | Skin Sens. 1 (H317) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412) | 01-2119988500-34 |

Ingredient comments

This product is a lithium grease based on mineral oil with additives. The mineral oils in the product contain <3% DMSO extract(IP 346).

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

| | |
|---------------------|--|
| Inhalation | Move to fresh air in case of accidental inhalation of vapors. |
| Skin contact | Wash with soap and water. |
| Eye contact | Rinse thoroughly with plenty of water, also under the eyelids. |
| Ingestion | Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. |

4.2. Most important symptoms and effects, both acute and delayed

Symptoms None known.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media**Suitable extinguishing media**

Use CO₂, dry chemical, or foam.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Not flammable. Fire may produce irritating and/or toxic gases.

5.3. Advice for firefighters

In the event of fire and/or explosion do not breathe fumes.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Extremely slippery when spilled. Use personal protection recommended in Section 8.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

6.4. Reference to other sections

Other information

See Section 12: ECOLOGICAL INFORMATION.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Extremely slippery when spilled.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Avoid prolonged or repeated contact with skin.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Keep containers tightly closed in a cool, well-ventilated place. Keep at a temperature not exceeding 45°C. Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

Risk management methods

The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

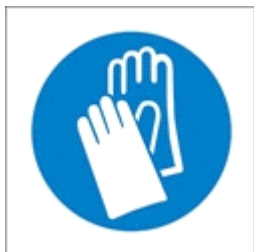
Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration No information available.

(PNEC)

8.2. Exposure controls

Engineering controls None under normal processing.

Personal protective equipment**Hand protection**

Wear protective nitrile rubber gloves. Thickness ≥ 0.38 mm - breakthrough time >480 minutes. Thickness 0.1 mm - splash protection. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Conform EN 374-2 and EN 347-3.

Eye/face Protection

Avoid contact with eyes.

Body protection

Suitable protective clothing.

Respiratory protection

None under normal processing. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls Prevent product from entering drains.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|-----------------------------|--------------------------|
| Physical state | Semi-solid |
| Appearance | Smooth |
| Color | black |
| Odor threshold | No information available |
| Explosive properties | No information available |
| Oxidizing properties | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---|---------------------|--------------------------|
| pH | | No information available |
| Melting point/freezing point | | No information available |
| Boiling point/boiling range | | Not applicable |
| Flash point | > 150 °C / > 302 °F | Based on base oils |
| Evaporation rate | | Not applicable |
| Flammability (solid, gas) | | No information available |
| Flammability limits in air | | No information available |
| Vapor pressure | | Not applicable |
| Vapor Density | | Not applicable |
| Specific gravity | | No information available |
| Solubility(ies) | | No information available |
| Partition coefficient (n-octanol/water) | | No information available |
| Autoignition temperature | | No information available |
| Decomposition temperature | | No information available |
| Kinematic viscosity | | No information available |
| Dynamic viscosity | | No information available |

9.2. Other information

Density < 1000 kg/m³ @ 25 °C / 77 °F

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

None under normal processing.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

| | |
|--|--|
| Acute toxicity | Not hazardous based on component data. |
| Skin corrosion/irritation | Not hazardous based on component data. |
| Serious eye damage/eye irritation | Not hazardous based on component data. |
| Sensitization | Not hazardous based on component data. |
| Germ cell mutagenicity | Not hazardous based on component data. |
| Carcinogenicity | Not hazardous based on component data. |
| Reproductive toxicity | Not hazardous based on component data. |
| STOT-single exposure | Not hazardous based on component data. |
| STOT-repeated exposure | Not hazardous based on component data. |
| Aspiration hazard | Not hazardous based on component data. |

The following values are calculated based on chapter 3.1 of the GHS document

| | |
|--------------------|------------|
| Oral LD50 | 5795 mg/kg |
| Dermal LD50 | 4266 mg/kg |

| Chemical name | Oral LD50 | Dermal LD50 | LC50 (lethal concentration) |
|-------------------------------------|--------------|-------------|-----------------------------|
| Naphthenic acids, zinc salts, basic | > 2000 mg/kg | | |

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

| | |
|---------------------|--|
| Inhalation | Inhalation of oil mist may cause irritation, headaches, nausea and breathing difficulties. |
| Eye contact | Not expected to cause eye irritation. |
| Skin contact | Prolonged contact may cause redness and irritation. |
| Ingestion | Malaise (vague feeling of discomfort). |

Section 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

Ecotoxicity Not regarded as dangerous for the environment. Occasional major emissions or frequently recurring minor emissions may have a harmful or disturbing effect.

12.2. Persistence and degradability

Not readily biodegradable.

12.3. Bioaccumulative potential

Material does not bioaccumulate.

12.4. Mobility in soil**Mobility in soil**

After release, adsorbs onto soil.

Mobility

Insoluble in water.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

| | |
|--|--|
| Waste from residues/unused products | Disposal should be in accordance with applicable regional, national and local laws and regulations |
| Contaminated packaging | Dispose of in accordance with federal, state and local regulations. |
| Waste codes / waste designations according to LoW / AVV | 13 08 99* |

Section 14: TRANSPORT INFORMATION

Not regulated according to ADR/RID, IMDG, IATA.

14.1. UN number

Not regulated

14.2. UN proper shipping name

Not regulated

14.3. Transport hazard class(es)

Not regulated

14.4. Packing group

Not regulated

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

None

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Water hazard class (WGK) Slightly hazardous to water (WGK 1)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

International Inventories

| | |
|----------------------|----------|
| TSCA | Complies |
| EINECS/ELINCS | Complies |
| DSL/NDSL | Complies |
| PICCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| AICS | Complies |
| KECL | Complies |
| NZIoC | Complies |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under section 3

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H412 - Harmful to aquatic life with long lasting effects

Key or legend to abbreviations and acronyms used in the safety data sheet

ADR Accord européen relatif au transport international de marchandises Dangereuses par Route

CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]

EC European Commission

EEC European Economic Community

EUH statement = CLP-specific Hazard statement

GHS Globally Harmonised System of Classification and Labelling of Chemicals

IATA International Air Transport Association

IMDG International Maritime Dangerous Goods Code

LD50 Median Lethal Dose for 50% of subjects

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Règlement concernant le transport international ferroviaire des marchandises dangereuses

WGK Wassergefährdungsklasse

Revision date 03-Oct-2019

Revision note SDS sections updated, 2, 3, 4, 11, 16.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

End of Safety Data Sheet