



ProSolve™ Lithium EP2 Grease Cartridge 400g

Safety Data Sheet

According to Regulation (EU) No 830/2015 and Regulation (EC) No 1272/2008

Date Revised: 30/06/2022 / Version: 3.0

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: EP2 Grease

REACH registered number(s): 01-2119970893-23-0049

Product code: EP2

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: Lubricating grease.

1.3. Details of the supplier of the safety data sheet

Company Name: ProSolve

Company Address: Sandall Stones Road, Kirk Sandall Industrial Estate, Doncaster, South Yorkshire, DN3 1QR

Tel: +44 (0) 1302 310 113

E-mail: enquiries@prosolveproducts.com

Web: www.prosolveproducts.com

EU Details:

Address: Portfolio House, Kilbarrack Parage, Dublin D05 TF86

Phone: 003531 9120925

1.4. Emergency telephone number

National Health Service (NHS)

NHS England or Scotland: 111

NHS Wales: 0300 0604400

Northern Ireland: Call your local GP

For life-threatening emergencies, call 999 for an ambulance.

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: This product has no classification under CLP.

2.2. Label elements

Label elements: This product has no label elements.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.



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Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

Distillates (petroleum), hydrotreated heavy naphthenic 70-100%
CAS number: 64742-52-5 EC number: 265-155-0
Substance with National workplace exposure limits.
IP 346 < 3%
Classification Not Classified

Phosphorodithioic acid, O,O-bis(2-ethylhexyl and iso-Bu and
iso-Pr)esters, zinc salts 1-2.5%
CAS number: 85940-28-9 EC number: 288-917-4
Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Aquatic Chronic 2 - H411

Calcium Carbonate <1%
CAS number: 1317-65-3 EC number: 215-279-6
Substance with National workplace exposure limits.
Classification Not Classified

Asphalt, oxidized <1%
CAS number: 64742-93-4 EC number: 265-196-4
Classification Not Classified

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Consult a doctor.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Delayed / immediate effects: Continuous skin contact may cause skin sensitivity and dermatitis

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

Immediate / special treatment: Not applicable.



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Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Not applicable.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters



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Occupational exposure limits

Distillates (petroleum), hydrotreated heavy naphthenic

Short-term exposure limit (15-minute): WEL, EH40(2002) 10 mg/m³ mist

Calcium Carbonate

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

Asphalt, oxidized

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³ fume

Short-term exposure limit (15-minute): WEL 10 mg/m³ fume

WEL = Workplace Exposure Limit.

Distillates (petroleum), hydrotreated heavy naphthenic (CAS: 64742-52-5)

DNEL

Workers - Inhalation; Long term local effects: 5,58 mg/m³

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Not applicable.

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Environmental: No special requirement.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Grease

Colour: Brown

Odour: Barely perceptible odour

Solubility in water: Insoluble

Melting point/range°C: >180

Flash point°C: >200

Relative density: 0.89 @ 25°C

Viscosity: 150 cSt @ 40°C



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9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Not regarded as a health hazard under current legislation.

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation



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Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
<u>Aspiration hazard</u>	
Aspiration hazard	Not relevant. Solid.
General information	No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known. May cause discomfort if swallowed.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	No specific symptoms known. May be slightly irritating to eyes.
Route of exposure	Ingestion Inhalation Skin and/or eye contact



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Target organs

No specific target organs known.

Toxicological information on ingredients.

Distillates (petroleum), hydrotreated heavy naphthenic

Acute toxicity - oral

Notes (oral LD₅₀)

OECD 401 >5000 mg/kg, Oral, Rat

API 1982 Read-across data.

Acute toxicity - dermal

Notes (dermal LD₅₀)

OECD 402 >5000 mg/kg, Dermal, Rabbit

API 1982 Read-across data.

Acute toxicity - inhalation

Notes (inhalation LC₅₀)

OECD 403 >5.53 mg/l, 4 hours, Dust/Mist Rat

EMBSI 1988a Read-across data.

Skin corrosion/irritation

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye

damage/irritation

Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation

Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro

Based on available data the classification criteria are not met.

Genotoxicity - in vivo

Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity

Based on available data the classification criteria are not met.



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Reproductive toxicity

Reproductive toxicity -

Fertility

Based on available data the classification criteria are not met.

Reproductive toxicity -

Development

Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard

Not available.

Phosphorodithioic acid, O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr)esters, zinc salts

Acute toxicity - oral

Notes (oral LD₅₀)

OECD 401 3,080 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀)

OECD 402 > 20,000 mg/kg, Dermal, Rabbit

Skin corrosion/irritation

Skin corrosion/irritation

OECD 404 Irritating to skin.

Serious eye damage/irritation

Serious eye damage/irritation OECD 405 Irritating to eyes.

Skin sensitisation

Skin sensitisation

OECD 406 - Guinea pig: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro

Gene mutation: TA98

Negative with metabolic activation. Negative without metabolic activation.

Genotoxicity - in vivo

Micronucleus assay, Mouse, OECD 474: Negative.

Calcium Carbonate

Acute toxicity – oral

Acute toxicity oral (LD₅₀)

mg/kg)

5,000.0

Species

Rat

Notes (oral LD₅₀)

LD₅₀ >5000 mg/kg, Oral, Rat



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ATE oral (mg/kg) 5,000.0

Acute toxicity – dermal

Notes (dermal LD₅₀) LD₅₀ >5000 mg/kg, Oral, Rat

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Not irritating.

Respiratory sensitisation

Respiratory sensitisation No data available.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Delayed / immediate effects: Continuous skin contact may cause skin sensitivity and dermatitis

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours: >100 mg/l,

Acute toxicity - aquatic

Invertebrates EC₅₀, 96 hours:
>10000 mg/l,

Acute toxicity - aquatic

Plants NOEC, 72 hours: >100
mg/l,



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Chronic aquatic toxicity

Chronic toxicity - aquatic

Invertebrates NOEC, 21 days: 10
mg/l,

Phosphorodithioic acid, O,O-bis(2-ethylhexyl and
iso-Bu and iso-Pr)esters, zinc salts

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 4.5
mg/l, Oncorhynchus mykiss (Rainbow trout)

NOEC, 96 hours: 1.8 mg/l, Oncorhynchus mykiss
(Rainbow trout)

Acute toxicity - aquatic

Invertebrates EC₅₀, 48
hours: 5.4 mg/l, Daphnia magna

NOEC, 48 hours: <1 mg/l, Daphnia magna

Acute toxicity - aquatic

Plants LC₅₀, 96
hours: 2.1 mg/l, Scenedesmus subspicatus

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment



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PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: Not applicable.

Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H312: Harmful in contact with skin.

H315: Causes skin irritation.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.



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H351: Suspected of causing cancer

H411: Toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. Please note that due to the on-going change in regulation from CHIP to CLP, any MSDS information in this MSDS is only considered accurate at the time of its creation. During this time classifications of substances may change. Therefore it is possible that can art work and MSDS information may differ. As such if you have any concerns we recommend you request a new MSDS from us every 6-12 months.