

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Bobcat Grease Multi-Purpose

Revision date: 19.08.2025

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Bobcat Grease Multi-Purpose

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

Grease.

Product categories [PC]: PC 24 Lubricants, greases, release products.

1.3. Details of the supplier of the safety data sheet

Company name: Doosan Bobcat EMEA s.r.o.
Street: U Kodetky 1810
Place: CZ-26301 Dobris
Contact person: Herr Nicolas Tetu Telephone: +420 (318) 532 666
E-mail: nicolas.tetu@doosan.com
Responsible Department: Technical Service

1.4. Emergency telephone number: +356 25456508**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements**Regulation (EC) No 1272/2008****Special labelling of certain mixtures**

EUH208 Contains Zinc naphthenate. May produce an allergic reaction.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Do not handle until all safety precautions have been read and understood.

Discharge into the environment must be avoided.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Lithium complex soap lubricating grease.

Contains: Mineral oil, Additive, Polytetrafluoroethylene (PTFE).

Hazardous components

CAS No	Chemical name	Index No	REACH No	Quantity
	EC No			
	GHS Classification			
12001-85-3	Zinc naphthenate			< 1 %
	234-409-2			
	Eye Irrit. 2, Skin Sens. 1B, Aquatic Chronic 2; H319 H317 H411			

Full text of H and EUH statements: see section 16.

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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
12001-85-3	234-409-2	Zinc naphthenate	< 1 %
		oral: LD50 = >2000 mg/kg	

Further Information

The mineral oils in the product contain < 3 % DMSO-extract (IP 346).

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

First aider: Pay attention to self-protection! Move victim out of danger zone.

Remove contaminated, saturated clothing immediately. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

No special measures are necessary.

Provide fresh air. Get medical advice/attention if you feel unwell.

After contact with skin

After contact with skin, wash immediately with: Water and soap.

In case of skin irritation, consult a physician.

After contact with eyes

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious).

Do NOT induce vomiting. Seek medical advice immediately.

No administration in cases of unconsciousness or cramps.

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

No information available.

In all cases of doubt, or when symptoms persist, seek medical advice.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂), Extinguishing powder, alcohol resistant foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to the escape of irritating gases and vapours.

In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide.

5.3. Advice for firefighters

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

In case of fire: Wear self-contained breathing apparatus.

Additional information

Move undamaged containers from immediate hazard area if it can be done safely.

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Use water spray jet to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

- Provide adequate ventilation.
- Avoid contact with skin and eyes.
- Wear personal protection equipment.

6.2. Environmental precautions

- Do not allow to enter into surface water or drains.
- Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up**Other information**

- Prevent spread over a wide area (e.g. by containment or oil barriers).
- Take up mechanically, placing in appropriate containers for disposal.
- High slip hazard because of leaking or spilled product.
- Suitable material for taking up: Sand, Kieselguhr, Universal binding agent.
- Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

- Personal protection equipment: refer to chapter 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

- No special measures are necessary. Avoid contact with skin and eyes.
- Remove contaminated clothing immediately and dispose off safely. For industrial purposes only.

Advice on protection against fire and explosion

- Usual measures for fire prevention.
- Avoid oil mist Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Advice on general occupational hygiene

- Do not eat, drink, smoke or sneeze at the workplace.
- Avoid contact with skin, eyes and clothes.
- Protect skin by using skin protective cream.
- Take off contaminated clothing and wash it before reuse.
- Wash hands before breaks and after work.
- After cleaning apply high-fat content skin care cream.
- Do not put any product-impregnated cleaning rags into your trouser pockets.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

- Only use containers specifically approved for the substance/product.
- Keep container tightly closed and in a well-ventilated place.
- Always close containers tightly after the removal of product.
- Recommended storage temperature: 5 - 30 °C. Do not store at temperatures over: 40 °C

Hints on joint storage

- Do not store together with: Oxidising agent,
- Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

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Protect against: Heat, Humidity, frost. Protect from direct sunlight.

7.3. Specific end use(s)

Grease.

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****DNEL/DMEL values**

CAS No	Name of agent	Exposure route	Effect	Value
12001-85-3	Zinc naphthenate			
Worker DNEL, long-term		inhalation	systemic	1,18 mg/m ³
Worker DNEL, long-term		dermal	systemic	3,3 mg/kg bw/day

Additional advice on limit values

Air limit values: Mineral oil mist

Limit value type (country of origin): US-OSHA PEL-Value: 5 mg/m³Limit value type (country of origin): ACGIH STEL-Value: 10 mg/m³**8.2. Exposure controls****Individual protection measures, such as personal protective equipment****Eye/face protection**

Suitable eye protection: Tightly sealed safety glasses. (EN 166)

Hand protection

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): EN 420, EN ISO 374.

Suitable material: NBR (Nitrile rubber).

Required properties: liquid-tight.

penetration time (maximum wearing period): > 480 min.

Thickness of glove material: 0,4 mm

Before using check leak tightness / impermeability. Protective gloves have to be replaced at the first sign of deterioration.

Skin protection

Handling larger quantities: Wear suitable protective clothing.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at: exceeding exposure limit values, insufficient ventilation, aerosol or mist generation.

Suitable respiratory protective equipment: Combination filter device (DIN EN 141)..

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	"solid" (Grease)
Colour:	green
Odour:	like: mineral oil.

Test method**Changes in the physical state**

Melting point/freezing point: > 180 °C

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Boiling point or initial boiling point and boiling range:	> 250 °C
drop point / drop range::	> 180 °C DIN ISO 2176
Flash point:	(Mineral oil) > 200 °C ISO 2592
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value:	not applicable
Viscosity / kinematic: (at 40 °C)	not determined
Water solubility: (at 20 °C)	not determined
Vapour pressure: (at 20 °C)	not determined
Density (at 20 °C):	approx. 0,91 g/cm ³

9.2. Other information**Other safety characteristics**

none

SECTION 10: Stability and reactivity**10.1. Reactivity**

No risks worthy of mention.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

Do not mix with: Oxidizing agents, strong.

10.4. Conditions to avoid

storage stability: Do not store at temperatures over: 40 °C

This material is combustible, but will not ignite readily.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

10.5. Incompatible materials

Oxidizing agents, strong.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide.**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
12001-85-3	Zinc naphthenate				
	oral	LD50 >2000 mg/kg	Rat		OECD 423

Irritation and corrosivity

Irritant effect on the skin: On short hand contact: non-irritant.

Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

Irritant effect on the eye: slightly irritant but not relevant for classification.

Sensitising effects

Contains Zinc naphthenate: May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

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

The mineral oils in the product contain < 3 % DMSO-extract (IP 346).

STOT-single exposure

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

STOT-repeated exposure

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Aspiration hazard

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

11.2. Information on other hazards**Endocrine disrupting properties**

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

SECTION 12: Ecological information**12.1. Toxicity**

There are no data available on the mixture itself.

Due to the consistency along with the low water solubility of the product a bioavailability is unlikely.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
12001-85-3	Zinc naphthenate					
	Acute fish toxicity	LL50 >100 mg/l	96 h	Danio rerio (zebrafish)		OECD 203
	Acute algae toxicity	ErC50 >100 mg/l	72 h	Algae / aquatic plant		OECD 201
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna		
	Algae toxicity	NOEC >100 mg/l	3 d	Algae / aquatic plant		

12.2. Persistence and degradability

Not easily bio-degradable (according to OECD-criteria).

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

12.4. Mobility in soil

Due to the product's consistency dispersion into the environment is not possible.

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12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Discharge into the environment must be avoided.
Do not allow to enter into surface water or drains.
Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains.
Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)". Dispose of waste according to applicable legislation.
The waste key according to the European Waste Catalogue (EWC number) refers to the real wastes origin and therefore is not product- but use-oriented.
Consult the local waste disposal expert about waste disposal.

List of Wastes Code - residues/unused products

120112 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent waxes and fats; hazardous waste

List of Wastes Code - used product

120112 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent waxes and fats; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of.

SECTION 14: Transport information**Land transport (ADR/RID)**

- | | |
|---|--------------|
| <u>14.1. UN number or ID number:</u> | not relevant |
| <u>14.2. UN proper shipping name:</u> | not relevant |
| <u>14.3. Transport hazard class(es):</u> | not relevant |
| <u>14.4. Packing group:</u> | not relevant |

Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

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Other applicable information (inland waterways transport)

No information available.

Marine transport (IMDG)**Other applicable information (marine transport)**

No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)**Other applicable information (air transport)**

No information available.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Handling (Transport information): No special precautionary measures are necessary. See protective measures under point 7 and 8.

14.7. Maritime transport in bulk according to IMO instruments

No information available.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Directive 2004/42/EC on VOC in paints and varnishes: < 3 %

Additional information

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National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

Additional information

Restricted to professional users.

The receiver of our product is singularly responsible for adhering to existing laws and regulations. Observe in addition any national regulations!

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 2,7,9,11,15.

Relevant H and EUH statements (number and full text)

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
EUH208	Contains Zinc naphthenate. May produce an allergic reaction.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

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(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)