

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

- **Product identifier**
- **Trade name:** ProCut 200
- **Article number:** 0069266B
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Sector of Use**
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
SU15 Manufacture of fabricated metal products, except machinery and equipment
SU17 General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment
- **Product category**
PC24 Lubricants, greases, release products
PC25 Metal working fluids
- **Process category**
PROC17 Lubrication at high energy conditions in metal working operations
PROC18 General greasing /lubrication at high kinetic energy conditions
- **Environmental release category**
ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
- **Article category**
AC1 Vehicles
AC7 Metal articles
- **Application of the substance / the mixture** Minimum quantity spray-cooling system MMKS
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
DATRON AG
In den Gänsäckern 5
D-64367 Mühlthal
Telephon: +49 6151-1419-0
Telefax: +49 6151-1419-29
www.datron.de
- **Further information obtainable from:**
Contact point for technical information: QM
info@datron.de
- **Emergency telephone number:**
Giftinformationszentrum Mainz (only in German or English)
+49 6131-19240

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements**
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
Contact with skin and inhalation of aerosols/ vapours of the preparation should be avoided.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.

(Contd. on page 2)

Printing date 19.12.2021

Version number 5

Revision: 19.12.2021

Trade name: ProCut 200

(Contd. of page 1)

- **Results of PBT and vPvB assessment**
This mixture is not classified as PBT/vPvB nor does it contain any substances classified as PBT/vPvB.
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture consisting of the following components: pharmaceutical white oil and additives.

- **Dangerous components:**

CAS: 8042-47-5 EINECS: 232-455-8	White Oil Asp. Tox. 1, H304	50-100%
CAS: 126019-82-7 ELINCS: 406-940-1	O,O,O-tris(2(or 4)-C 9-10-isoalkylphenyl)phosphorothioate Aquatic Chronic 2, H411	2.5-10%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **General information:**
Take affected persons out into the fresh air.
Keep quiet and cover.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately remove any clothing soiled by the product.
Wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If medical advice is needed, have product container or label at hand.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
Carbon dioxide
- **Advice for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

(Contd. on page 3)

GB

Trade name: ProCut 200

(Contd. of page 2)

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures*Ensure adequate ventilation**Use respiratory protective device against the effects of fumes/dust/aerosol.**Particular danger of slipping on leaked/spilled product.**Wear protective clothing.***· Environmental precautions:***Do not allow to enter sewers/ surface or ground water.**Inform respective authorities in case of seepage into water course or sewage system.***· Methods and material for containment and cleaning up:***Send for recovery or disposal in suitable receptacles.**Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).**Dispose of the material collected according to regulations.**Dispose contaminated material as waste according to item 13.***· Reference to other sections***See Section 7 for information on safe handling.**See Section 8 for information on personal protection equipment.**See Section 13 for disposal information.*

7 Handling and storage

· Handling:**· Precautions for safe handling***Contact with skin and inhalation of aerosols/ vapours of the preparation should be avoided.**Ensure good ventilation/exhaustion at the workplace.***· Information about fire - and explosion protection:***Do not spray onto a naked flame or any incandescent material.***· Conditions for safe storage, including any incompatibilities****· Storage:****· Requirements to be met by storerooms and receptacles:***Store only in the original receptacle.**Prevent any seepage into the ground.**Jointless, smooth floor and walls.**Provide floor trough without outlet.***· Information about storage in one common storage facility: Store away from oxidising agents.****· Further information about storage conditions:***Protect from frost.**Store in cool, dry conditions in well sealed receptacles.***· Specific end use(s) Not suitable for the application as circular and machine lubrication.**

8 Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.**· Control parameters****· Ingredients with limit values that require monitoring at the workplace:***The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.***· Additional information: The lists valid during the making were used as basis.**

(Contd. on page 4)

Trade name: ProCut 200

(Contd. of page 3)

· DNELs		
8042-47-5 White Oil		
Oral	DNEL, Long term - systemic impact	40 mg/kg (Human) (relation to body weight and day from environment)
Dermal	DNEL, Long term - systemic impact	92 mg/kg (Human) (relation to body weight and day from environment) 220 mg/kg (Worker) (relation to body weight and day)
Inhalative	DNEL, Long term - systemic impact	35 mg/m ³ (Human) (uptake from the environment) 160 mg/m ³ (Worker)

· **Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat, drink, smoke or sniff while working.

Avoid close or long term contact with the skin.

Do not carry product impregnated cleaning cloths in trouser pockets.

Wash hands before breaks and at the end of work.

· **Respiratory protection:** Not required.· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves**

Plastic gloves

PVC gloves

Nitrile rubber, NBR

Fluorocarbon rubber (Viton)

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **As protection from splashes gloves made of the following materials are suitable:**

Analogue permanent contact or skin-protecting agents.

· **Eye protection:**

Tightly sealed goggles at the risk of splashes.

· **Body protection:** Protective work clothing**9 Physical and chemical properties**· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form: Fluid

Colour: Yellow-brown

· **Odour:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

Melting point/freezing point: <-15 °C

(Contd. on page 5)

Trade name: ProCut 200

(Contd. of page 4)

Initial boiling point and boiling range: >200 °C	
· Flash point:	200 °C (Pensky-Martens ASTM D 93)
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	>200 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	0.9 Vol % Not applicable.
Upper:	7 Vol % Not applicable.
· Vapour pressure:	Not determined.
· Density at 20 °C:	0.86 g/cm ³
· Relative density at 20 °C	< 1 (H ₂ O = 1)
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic at 40 °C:	23 mm ² /s
· Solvent content:	
VOC (EC)	< 2 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** Weak
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known if used according to specifications.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Reacts with strong oxidising agents.
- **Hazardous decomposition products:**
Hydrocarbons
Carbon monoxide and carbon dioxide

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:****8042-47-5 White Oil**

Oral	LD50	> 5000 mg/kg (Rat) (OECD 401)
Dermal	LD50	> 2000 mg/kg (Rabbit) (OECD 402)

(Contd. on page 6)

Trade name: ProCut 200

(Contd. of page 5)

Inhalative	LC50/4 h	> 5000 mg/l (Rat) (OECD 403)
126019-82-7 O,O,O-tris(2(or 4)-C 9-10-isoalkylphenyl)phosphorothioate		
Oral	LD50	> 2000 mg/kg (Rat)
Dermal	LD50	> 2000 mg/kg (Rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

12 Ecological information

· Toxicity

· Aquatic toxicity:		
8042-47-5 White Oil		
EC50/48 h	>100 mg/l	(Daphnia)
LC50/96 h	>100 mg/l	(Fish)
NOEC/72 h	>100 mg/l	(Algae)
NOEC/48 h	≥100 mg/l	(Daphnia)
NOEC/96 h	≥100 mg/l	(Fish)
126019-82-7 O,O,O-tris(2(or 4)-C 9-10-isoalkylphenyl)phosphorothioate		
EC50	> 100 mg/l	(Algae)
	5.5 mg/l	(Daphnia)
LC50/96 h	> 25 mg/l	(Fish)

- **Persistence and degradability** No further relevant information available.
- **Other information:** Harmful to aquatic life with long lasting effects.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** May be accumulated in organism
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
The product may not be released into the environment without control.
Harmful to aquatic organisms
- **Results of PBT and vPvB assessment**
This mixture is not classified as PBT/vPvB nor does it contain any substances classified as PBT/vPvB.
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

GB

(Contd. on page 7)

Trade name: ProCut 200

(Contd. of page 6)

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must be specially treated adhering to official regulations.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:**
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
Packagings that may not be cleansed are to be disposed of in the same manner as the product.
Disposal must be made according to official regulations.
- **Recommended cleansing agents:**
Solvent
Solvent naphtha

14 Transport information

- | | |
|----------------------------------------------------------------------------------------|-----------------|
| · UN-Number
· ADR, ADN, IMDG, IATA | not regulated |
| · UN proper shipping name
· ADR, ADN, IMDG, IATA | not regulated |
| · Transport hazard class(es)
· ADR, ADN, IMDG, IATA
· Class | not regulated |
| · Packing group
· ADR, IMDG, IATA | not regulated |
| · Environmental hazards:
· Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | not regulated |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **ECHA List of published registered Substances**

White Oil	232-455-8
O,O,O-tris(2(or 4)-C 9-10-isoalkylphenyl)phosphorothioate	406-940-1

· **C&L Inventory**

O,O,O-tris(2(or 4)-C 9-10-isoalkylphenyl)phosphorothioate	406-940-1
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(Contd. on page 8)

Trade name: ProCut 200

(Contd. of page 7)

· Other Listings:**· Global Automotive Declarable Substance List (GADSL)****· Relevant phrases***H304 May be fatal if swallowed and enters airways.**H411 Toxic to aquatic life with long lasting effects.***· Contact:****· Abbreviations and acronyms:***ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)**IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**GHS: Globally Harmonised System of Classification and Labelling of Chemicals**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**VOC: Volatile Organic Compounds (USA, EU)**DNEL: Derived No-Effect Level (REACH)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Asp. Tox. 1: Aspiration hazard – Category 1**Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2**Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3***· * Data compared to the previous version altered.***Chapter 13: European waste catalogue**Chapter 15: Other regulations, limitations and prohibitive regulations**Chapter 16: Data compared to the previous version altered*