

1 Identification of the substance/mixture and of the company/undertaking· **Product identifier**· **Trade name:** ProCut 56· **Article number:** 0069266· **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**

flame

Flam. Liq. 3

H226 Flammable liquid and vapour.



health hazard

Asp. Tox. 1

H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 4 H413 May cause long lasting harmful effects to aquatic life.

· **Label elements**· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

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· **Hazard pictograms**



GHS02 GHS08

· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

C9-12-Iso-alkanes

· **Hazard statements**

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.

· **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243 Take action to prevent static discharges.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

· **Other hazards**

Contact with skin and inhalation of aerosols/ vapours of the preparation should be avoided.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Heightened risk of fire and danger of explosion at accumulation in lower-lying or closed rooms

· **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 of substances listed below with nonhazardous additions.

· **Dangerous components:**

EC number: 918-167-1	C9-12-Iso-alkanes	50-100%
	⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; Aquatic Chronic 4, H413	

· **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 of danger area and lay down.

Keep warm, position comfortably and cover well.

· **After inhalation:**

Take affected persons into fresh air and keep quiet.

Seek medical treatment in case of complaints.

· **After skin contact:**

Immediately remove any clothing soiled by the product.

Wash with water and soap and rinse thoroughly.

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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 swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed**

Headache

Dizziness

Gastric or intestinal disorders

Nausea

· **Indication of any immediate medical attention and special treatment needed**

If swallowed or in case of vomiting, danger of entering the lungs.

5 Firefighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** *Water with full jet*

· **Special hazards arising from the substance or mixture**

Can form explosive gas-air mixtures.

Heat will increase pressure and may lead to the receptacle bursting.

In case of fire, the following can be released:

Carbon dioxide

Carbon monoxide (CO)

· **Advice for firefighters**

· **Protective equipment:**

Do not inhale explosion gases or combustion gases.

Wear fully protective suit.

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.

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**

Keep away from ignition sources.

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:**

Prevent from spreading (e.g. by damming-in or oil barriers).

Do not allow to penetrate the ground/soil.

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:**

Use explosion-proof apparatus / fittings and spark-proof tools.

Ensure adequate ventilation.

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.

Do not flush with water or aqueous cleansing agents

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- **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.
- Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
- Keep ignition sources away - Do not smoke.
- Protect from heat.
- Use explosion-proof apparatus / fittings and spark-proof tools.
- Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
- Store only in the original receptacle.
- Provide solvent resistant, sealed floor.
- Prevent any seepage into the ground.
- Suitable material for receptacles and pipes: steel or stainless steel.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:**
- Protect from frost.
- Store receptacle in a well ventilated area.
- Store in cool, dry conditions in well sealed receptacles.
- Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

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:**C9-12-Iso-alkanes**WEL Long-term value: 1200 mg/m³

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls** Not applicable
- **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.
- Do not carry product impregnated cleaning cloths in trouser pockets.
- Wash hands before breaks and at the end of work.
- Keep away from foodstuffs, beverages and feed.
- **Respiratory protection:**
- Use suitable respiratory protective device only when aerosol or mist is formed.
- Short term filter device:
- Filter AX

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· **Protection of hands:**



Protective gloves

Oil resistant gloves

Preventive skin protection by use of skin-protecting agents is recommended.

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

· **Material of gloves**

Butyl rubber, BR

Nitrile rubber, NBR

Plastic gloves

PVC gloves

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:	Liquid
· Colour:	Colourless
· Odour:	Weak, characteristic
· Odour threshold:	Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

· Melting point/freezing point:	< -20 °C
· Initial boiling point and boiling range:	> 180 °C

· **Flash point:** > 56 °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 is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

· **Lower:** 0.6 Vol %

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Upper:	7.0 Vol %
· Vapour pressure:	Not determined.
· Density at 20 °C:	0.76 g/cm ³
· Relative density at 20 °C	< 1 (H ₂ O = 1)
· Vapour density at 20 °C	> 1 (Air = 1)
· 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:	1.4 mm ² /s
· Solvent content:	
VOC (EC)	100.00 %
· 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 and stored according to specifications.
- **Possibility of hazardous reactions** Forms explosive gas mixture with air.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Reacts with acids, alkalis and oxidising agents.
- **Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Hydrocarbons

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:

C9-12-Iso-alkanes		
Oral	LD50	> 5000 mg/kg (Rat) (OECD 401)
Dermal	LD50	> 5000 mg/kg (Rabbit) (OECD 402)
Inhalative	LC50/4 h	> 5000 mg/l (Rat) (OECD 403)

- **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.
- **Experience with humans:** Repeated exposure may cause skin dryness or cracking.
- **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.

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- **Aspiration hazard**
May be fatal if swallowed and enters airways.

12 Ecological information· **Toxicity**· **Aquatic toxicity:****C9-12-Iso-alkanes**

LL0/96 h	1000 mg/l (Fish)
EL0/48 h	1000 mg/l (Daphnia)
EL0/72 h	1000 mg/l (Algae)
NOELR/72 h	1000 mg/l (Algae)
NOELR/21 d	> = 1 mg/l (Daphnia)

- **Persistence and degradability** Easily biodegradable
- **Other information:** May cause long lasting harmful effects to aquatic life.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** The product is highly volatile.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **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.

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 naphtha
Solvent


14 Transport information

- **UN-Number**
- **ADR, IMDG, IATA** UN3295
- **UN proper shipping name**
- **ADR** 3295 HYDROCARBONS, LIQUID, N.O.S.

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· IMDG, IATA	HYDROCARBONS, LIQUID, N.O.S.
· Transport hazard class(es)	
· ADR, IMDG, IATA	
	
· Class	3 Flammable liquids.
· Label	3
· Packing group	
· ADR, IMDG, IATA	III
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Flammable liquids.
· Hazard identification number (Kemler code):	30
· EMS Number:	F-E,S-D
· Stowage Category	A
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN3295, HYDROCARBONS, LIQUID, N.O.S., 3, III

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Chemical safety assessment
- Seveso category P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5.000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50.000 t
- National regulations:
- Information about limitation of use: Employment restrictions concerning juveniles must be observed.
- 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.

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· ECHA List of published registered Substances*All substances have the value 918-167-1.***· C&L Inventory***All substances have the value 918-167-1.***· Other Listings:****· Global Automotive Declarable Substance List (GADSL)****· Relevant phrases***H226 Flammable liquid and vapour.**H304 May be fatal if swallowed and enters airways.**H413 May cause long lasting harmful effects to aquatic life.***· Department issuing SDS:***Contact point for technical information: QM
info@datron.de***· 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)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Flam. Liq. 3: Flammable liquids – Category 3**Asp. Tox. 1: Aspiration hazard – Category 1**Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4***· * Data compared to the previous version altered.***Chapter 8: Occupational Exposure Limit Values**Chapter 13: European waste catalogue**Chapter 15: Other regulations, limitations and prohibitive regulations**Chapter 16: Data compared to the previous version altered*