



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

1.1 Product identifier

Trade name: Neo Cut 430 S

UFI: XTG0-H00G-9000-J8R4

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

General use: Cutting oil.

1.3 Details of the supplier of the safety data sheet

Company name: EUROTECH Maier Ernst GmbH

Street/POB-No.: Herrschaftswiesen 5

Postal Code, city: AT-6842 Koblach

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Department responsible for information:

Telephone: +43 (0)5523 53852, Email: office@eurotech.at

1.4 Emergency telephone number

GIZ-Nord, Göttingen**Telephone: +49 551-19240**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Skin Sens. 1; H317 May cause an allergic skin reaction.

Lact.; H362 May cause harm to breast-fed children.

Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)



Signal word:

Warning

Hazard statements:

H317

May cause an allergic skin reaction.

H362

May cause harm to breast-fed children.

H411

Toxic to aquatic life with long lasting effects.



Precautionary statements:	P101	If medical advice is needed, have product container or label at hand.
	P102	Keep out of reach of children.
	P201	Obtain special instructions before use.
	P261	Avoid breathing vapours/spray.
	P263	Avoid contact during pregnancy and while nursing.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection.
	P302+P352	IF ON SKIN: Wash with plenty of water/soap.
	P308+P313	IF exposed or concerned: Get medical advice/attention.
	P362+P364	Take off contaminated clothing and wash it before reuse.
	P501	Dispose of contents/container to hazardous or special waste collection point.

Special labelling

Text for labelling: Contains: Alkanes, C14-17, chloro and 1,2-Dichlorobenzene.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

CAS No.	Designation	PBT/vPvB	ED Human	ED Environment
85535-85-9	Alkanes, C14-17, chloro (SVHC)	PBT, vPvB		

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Mixture of the substances listed below with non-hazardous additions.

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119487077-29-xxxx EC No. 265-158-7 CAS 64742-55-8	Distillates (petroleum), hydrotreated light paraffinic Asp. Tox. 1; H304.	25 - 50 %
REACH 01-2119519269-33-xxxx EC No. 287-477-0 CAS 85535-85-9	Alkanes, C14-17, chloro (SVHC) Lact.; H362. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. (EUH066).	5 - 10 %
REACH 01-2119451167-40-xxxx EC No. 202-425-9 CAS 95-50-1	1,2-Dichlorobenzene Acute Tox. 4; H302. Skin Irrit. 2; H315. Eye Irrit. 2; H319. Skin Sens. 1B; H317. STOT SE 3; H335. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. M-factors: Aquatic Acute 1: M = 1. Aquatic Chronic 1: M = 1.	1 - 2.5 %

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

Additional information: Information about Distillates (petroleum), hydrotreated light paraffinic: Contains: < 3%
Dimethylsulfoxide (DMSO) (IP 346)

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: First aider: Pay attention to self-protection!



In case of inhalation:	Provide fresh air. Seek medical aid in case of troubles.
Following skin contact:	Take off contaminated clothing and wash it before reuse. Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.
After swallowing:	Never give anything by mouth to an unconscious person. Rinse mouth. Do not induce vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

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: Use extinguishing material as appropriate for the surrounding area.

Extinguishing media which must not be used for safety reasons:
full water jet.

5.2 Special hazards arising from the substance or mixture

Combustible.

In case of fire may be liberated: Hydrogen chloride, sulphur oxides, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Cool endangered containers with water spray and, if possible, remove from danger zone. Use water spray jet to knock down vapours. Do not breathe fumes. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid exposure. Avoid contact with skin, eyes, and clothing. Do not breathe vapour/aerosol. Wear appropriate protective equipment. Provide for sufficient ventilation, particularly in closed rooms. Keep unprotected people away.

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.
If necessary notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

Plug leak if safely possible. Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance. Thoroughly clean surrounding area.

Additional information:

Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.



SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Obtain special instructions before use. Avoid contact with skin, eyes, and clothing. Take off contaminated clothing and wash it before reuse. Do not breathe vapour/aerosol. Wear appropriate protective equipment. Provide fresh air. When using do not eat, drink or smoke. Keep out of the reach of children.

Precautions against fire and explosion:

Do not heat above flash point. Take standard precautions to prevent fire.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store only in original containers, tightly closed and in well-ventilated area.

Store at room temperature. Store in a dry place. Do not drop, drag or bang the container. Protect from frost and exposure to sun.

Hints on joint storage:

Do not store together with strong bases.

Further details:

Provide for retaining containers, e.g. floor pan without outflow.

7.3 Specific end use(s)

Cutting oil.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
95-50-1	1,2-Dichlorobenzene	Europe: IOELV: STEL	306 mg/m ³ ; 50 ppm (may be absorbed through the skin)
		Europe: IOELV: TWA	122 mg/m ³ ; 20 ppm (may be absorbed through the skin)
		Ireland: 15 minutes	306 mg/m ³ ; 50 ppm (may be absorbed through the skin)
		Ireland: 8 hours	122 mg/m ³ ; 20 ppm (may be absorbed through the skin)

DNEL/DMEL:

Information about Distillates (petroleum), hydrotreated light paraffinic:

DNEL long-term, workers, dermal, local: 1 mg/kg body weight/8h

DNEL workers, inhalative, systemic: 2.7 - 5.4 mg/m³/8h

DNEL consumers, inhalative, systemic: 1.2 mg/m³/24h

Information about Alkanes, C14-17, chloro:

DNEL long-term, consumers, oral, systemic: 0.58 mg/kg body weight/day

DNEL long-term, workers, dermal, systemic: 47.9 mg/kg body weight/day

DNEL long-term, consumers, dermal, systemic: 28.75 mg/kg body weight/day

DNEL long-term, workers, inhalative, systemic: 6.7 mg/m³

DNEL long-term, consumers, inhalative, systemic: 2 mg/m³



PNEC: Information about Distillates (petroleum), hydrotreated light paraffinic:
PNEC Secondary Poisoning, oral: 9.33 mg/kg food and feedingstuffs

Information about Alkanes, C14-17, chloro:
PNEC water (freshwater): 0.001 mg/L
PNEC water (marine water): 0.0002 mg/L
PNEC water (intermittent release): 80 mg/L
PNEC sewage treatment plant: 0.999 mg/L
PNEC sediment (freshwater): 13 mg/kg dw
PNEC sediment (marine water): 2.6 mg/kg dw
PNEC soil: 11.9 mg/kg dwt
PNEC oral (predators): 10 mg/kg food

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Use combination filter type A2-P2 / ABEK according to EN 14387. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Hand protection: Protective gloves according to EN 374. Glove material: Fluororubber (Viton), Nitrile rubber Layer thickness: >0.4 mm Breakthrough time: > 60 min Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures: Obtain special instructions before use. Avoid contact with skin, eyes, and clothing. Take off contaminated clothing and wash it before reuse. Do not breathe vapour/aerosol. Have eye wash bottle or eye rinse ready at work place. When using do not eat, drink or smoke. Wash hands before breaks and after work. Use a water-soluble skin protection product. Safety shower and eye wash station should be easily accessible to the work area.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	Form: liquid
Colour:	red
Odour:	characteristic
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	> 300 °C
Flammability:	No data available
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): 0.00 Vol-% UEL (Upper Explosive Limit): 0.00 Vol-%
Flash point/flash point range:	> 150 °C
Auto-ignition temperature:	> 260 °C (DIN 51794)
Decomposition temperature:	No data available
pH:	No data available



Viscosity, kinematic:	at 40 °C: 24 mm ² /s (DIN 51562-1)
Water solubility:	immiscible
Partition coefficient: n-octanol/water:	>= 3.5 log K(o/w) (Distillates (petroleum), hydrotreated light paraffinic) Based on the n-octanol/water partition coefficient accumulation in organisms is possible. 4.7 - 8.3 log K(o/w) (Alkanes, C14-17, chloro) Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
Vapour pressure:	at 20 °C: 1 hPa
Density:	at 20 °C: 0.896 g/mL (ASTM D 4052)
Vapour density:	No data available
Particle characteristics:	Not applicable
9.2 Other information	
Explosive properties:	Product is not explosive.
Oxidizing characteristics:	No data available
Auto-ignition temperature:	not self-igniting
Solid content:	0 %
Evaporation rate:	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to 10.3

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Avoid temperatures exceeding 50 °C.

10.5 Incompatible materials

Strong bases

10.6 Hazardous decomposition products

Hydrogen chloride, sulphur oxides, carbon monoxide and carbon dioxide.

Thermal decomposition: No data available



SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

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.

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

Skin sensitisation: Skin Sens. 1; H317 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: 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.

Effects on or via lactation: Lact.; H362 = May cause harm to breast-fed children.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

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

11.2 Information on other hazards

Endocrine disrupting properties: No data available

Other information: Information about Distillates (petroleum), hydrotreated light paraffinic:
LD50 Rat, oral: 5000 mg/kg
LD50 Rabbit, dermal: 2000-5000 mg/kg
LC50 Rat, inhalative: 2.18 - 5.53 mg/L/h

Information about 1,2-Dichlorobenzene:
Acute oral toxicity: LD50, Rat: > 2000 mg/kg

Information about Alkanes, C14-17, chloro
LD50 Rat, oral: 4000 mg/kg
LD50 Rabbit, dermal: 10 ml/kg
LC50 Rat, inhalative: 48.17 mg/L/h

Symptoms

After eye contact:
May cause irritations. Upon direct contact with eyes may cause burning, tearing, redness.



SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

Information about 1,2-Dichlorobenzene:

Fish toxicity:

LC50 Danio rerio (zebrafish): 5.2 mg/L/ 96h. (OECD 203)

Daphnia toxicity:

EC50 Daphnia: 0.66 mg/L/48 h.

EC50 Daphnia: 0.55 mg/L/14 d.

Algae toxicity:

EC50 Pseudokirchneriella subcapitata (green algae): 2.2 mg/L/96h

Information about Alkanes, C14-17, chloro:

Fish toxicity:

NOEC Alburnus alburnus (alburnum): 125 µg/L/ 14d (OECD 204)

Daphnia toxicity:

EC50 Daphnia: 0.0059 mg/L/48 h (OECD 202).

EC50 Daphnia: 0.025 mg/L/21 d (OECD 202).

NOEC Daphnia: 0.010 mg/L (OECD 202).

Algae toxicity:

EC50 Pseudokirchneriella subcapitata (green algae): > 3.2 mg/L/96h (OECD 201)

NOEC Pseudokirchneriella subcapitata (green algae): 0.1 mg/L/96h (OECD 201)

Further details:

Information about Alkanes, C14-17, chloro:

Biodegradation: aerobic 64 %/ 28d (OECD 301 D)

12.2 Persistence and degradability

Further details:

No data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

>= 3.5 log K(o/w) (Distillates (petroleum), hydrotreated light paraffinic)

Based on the n-octanol/water partition coefficient accumulation in organisms is possible.

4.7 - 8.3 log K(o/w) (Alkanes, C14-17, chloro)

Based on the n-octanol/water partition coefficient accumulation in organisms is possible.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

General information:

Do not allow to enter into ground-water, surface water or drains.

Avoid spills and leaks. Very small amounts contaminates drinking water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number:

12 01 06* = Mineral-based machining oils containing halogens (except emulsions and solutions).

* = Evidence for disposal must be provided.

Recommendation:

Dispose of waste according to applicable legislation.

**Package**

Recommendation: Dispose of waste according to applicable legislation.
Do not dispose of with household waste.

Additional information

DUTY OF PROVIDING EVIDENCE! Discharge into the environment must be avoided.

National regulations Switzerland:

VVS Code Nr. 1432.

LVA Code Nr. 12 01 06

SECTION 14: Transport information**14.1 UN number or ID number**

ADR/RID, IMDG, IATA-DGR: UN 3082

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Alkanes, C14-17, chloro and 1,2-Dichlorobenzene)

14.3 Transport hazard class(es)

ADR/RID: Class 9, Code: M6

IMDG: Class 9, Subrisk -

IATA-DGR: Class 9

**14.4 Packing group**

ADR/RID: III

14.5 Environmental hazards

Dangerous for the environment: Substance/mixture is environmentally hazardous
according to the criteria of the UN model regulations.

Marine pollutant: yes

**14.6 Special precautions for user****Land transport (ADR/RID)**

Warning board: ADR/RID: Kemmler-number 90, UN number UN 3082
Hazard label: 9
Special Provisions: 274 335 375 601
Limited quantities: 5 L
EQ: E1
Package - Instructions: P001 IBC03 LP01 R001
Package - Special Provisions: PP1
Special provisions for packing together: MP19
Portable tanks - Instructions: T4
Portable tanks - Special Provisions: TP1 TP29
Tank coding: LGBV
Tunnel restriction code: -



Sea transport (IMDG)

EmS:	F-A, S-F
Special Provisions:	274 335 969
Limited quantities:	5 L
Excepted quantities:	E1
Package - Instructions:	P001, LP01
Package - Provisions:	PP1
IBC - Instructions:	IBC03
IBC - Provisions:	-
Tank instructions - IMO:	-
Tank instructions - UN:	T4
Tank instructions - Provisions:	TP2, TP29
Stowage and handling:	Category A.
Properties and observations:	-
Segregation group:	none

Air transport (IATA)

Hazard label:	Miscellaneous & Environmentally hazardous
Excepted Quantity Code:	E1
Passenger and Cargo Aircraft: Ltd.Qty.:	Pack.Instr. Y964 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft:	Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Cargo Aircraft only:	Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Special Provisions:	A97 A158 A197 A215
Emergency Response Guide-Code (ERG):	9L

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations - EC member states

Volatile organic compounds (VOC):

0 % by weight

Labelling of packaging with <= 125mL content



Signal word:

Warning

Hazard statements:	H317	May cause an allergic skin reaction.
	H362	May cause harm to breast-fed children.
Precautionary statements:	P101	If medical advice is needed, have product container or label at hand.
	P102	Keep out of reach of children.
	P261	Avoid breathing vapours/spray.
	P280	Wear protective gloves/protective clothing/eye protection.
	P302+P352	IF ON SKIN: Wash with plenty of water/soap.
	P362+P364	Take off contaminated clothing and wash it before reuse.
	P501	Dispose of contents/container to hazardous or special waste collection point.

Further regulations, limitations and legal requirements:

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

Environmental hazards: Code E2, Quantity threshold 200 000 kg / 500 000 kg

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: E2.

Use restriction according to REACH annex XVII, no.: 3



15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Wording of the H-phrases under paragraph 2 and 3:

H302 = Harmful if swallowed.
H304 = May be fatal if swallowed and enters airways.
H315 = Causes skin irritation.
H317 = May cause an allergic skin reaction.
H319 = Causes serious eye irritation.
H335 = May cause respiratory irritation.
H362 = May cause harm to breast-fed children.
H400 = Very toxic to aquatic life.
H410 = Very toxic to aquatic life with long lasting effects.
H411 = Toxic to aquatic life with long lasting effects.
EUH066 = Repeated exposure may cause skin dryness or cracking.

Reason of change: General revision

Date of first version: 30/11/1997

Department issuing data sheet: see section 1: Department responsible for information

Abbreviations and acronyms:

- Acute Tox.: Acute toxicity
- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- Aquatic Acute: Hazardous to the aquatic environment - acute
- Aquatic Chronic: Hazardous to the aquatic environment - chronic
- AS/NZS: Australian Standards/New Zealand Standards
- Asp. Tox.: Aspiration toxicity
- CAS: Chemical Abstracts Service
- CFR: Code of Federal Regulations
- CLP: Classification, Labelling and Packaging
- DMEL: Derived minimal effect level
- DNEL: Derived no-effect level
- EC: European Community
- EC50: Effective Concentration 50%
- EEC: European Economic Community
- EN: European Standard
- EQ: Excepted quantities
- EU: European Union
- Eye Irrit.: Eye irritation
- IATA: International Air Transport Association
- IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
- IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
- IMDG Code: International Maritime Dangerous Goods Code
- Lact.: Lactation
- LC50: Median lethal concentration
- LD50: Lethal dose 50%
- LEL: Lower Explosion Limit
- MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
- M-factor: Multiplication factor
- NOEC: No Observed Effect Concentration
- OEL: Occupational Exposure Limit Value
- OSHA: Occupational Safety and Health Administration
- PBT: Persistent, bioaccumulative and toxic
- PNEC: Predicted no-effect concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
- Skin Irrit.: Skin irritation
- Skin Sens.: Skin sensitisation
- STOT SE: Specific target organ toxicity - single exposure
- SVHC: Substance of very high concern
- TLV: Threshold Limit Value
- TRGS: Technical Rules for Hazardous Substances
- UN: United Nations
- vPvB: Very persistent and very bioaccumulative
- WEL: Workplace Exposure Limit

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.