

Safety Data Sheet

according to Ordinance (EC) No. 1907/2006

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

Trade name: INOX PROTECT

Supplier: *Gerd Eisenblätter GmbH*

*Jeschkenstraße 12d
82538 Geretsried
Phone: + 49 (0) 8171 / 9082 - 010*

Emergencies: +49 (0) 8171 / 9082 - 010

2. Composition / Information on ingredients

Chemical characterisation:

Dangerous components:

WHITE MINERAL OIL (PETROLEUM)

REACH registration No.: 01-2119487078-27-XXXX

EC No: 232-455-8; CAS No. : 8042-47-5

Weight fraction: 10 - < 25 %

Classification 67/548/EEC: Xn; R65 R66

Classification 1272/2008 (CLP): Asp. Tox. 1; H304

ALCOHOLS, C16-18- AND C18 UNSAT., ETHOXY., PROPOX.

EC No: 932-102-4; CAS No. : 677026-24-3

Weight fraction: 1 - < 5 %

Classification 67/548/EEC: N; R50 Xi ; R38

Classification 1272/2008 (CLP): Skin Irrit. 2; H315 Aquatic Acute 1; H400

(Full text of R-, H- and EUH-phrases: see section 16.)

3. Hazards identification

3.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Eye Dam. 1; H 318 - Serious eye damage / eye irritation: Category 1; Causes serious eye damage.

Skin Corr. 1A; H314 – Skin corrosion / irritation: Category 1; Causes severe skin burns and eye damage.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

None.

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3.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Hazard pictograms

GHS05 (Corrosion)



Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage

Precautionary statements

P260 Do not breathe dust / fume / gas / mist / vapours / spray.

P264 Wash ... thoroughly after handling.

P310 Immediately call a POISON CENTER or doctor / physician.

P321 Specific treatment (see ... on this label).

P405 Store locked up.

P501 Dispose of contents / container to

Special rules for supplemental label elements for certain mixtures

EUH210 Safety data sheet available on request.

Labelling according to Directive 67/548/EEC or Directive 1999/45/EC

Special provisions concerning the labelling of certain mixtures

101 Safety data sheet available for professional user on request.

Additional information

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

3.3. Other hazards

None.

4. First aid measures

4.1. Description of first aid measures

After inhalation: In case of respiratory tract irritation, consult a physician.
Remove casualty to fresh air and keep warm and at rest.

After skin contact: After contact with skin, wash immediately with plenty of water and soap.
Rub greasy ointment into the skin.

After eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

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After swallowing: Rinse mouth immediately and drink plenty of water. Call a physician immediately.

General information: When in doubt or if symptoms are observed, get medical advice.

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

No information available..

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

None.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing agents:

Water foam, extinguishing powder, carbon dioxide (CO₂), sand, nitrogen, extinguishing blanket.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: carbon monoxide, carbon dioxide (CO₂), sulphur oxides.

5.3. Advice for fire fighters

Do not inhale explosion and combustion gases.

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

Additional information

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

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

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Special danger of slipping by leaking / spilling product.

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

Clear spills immediately. Wipe up with absorbent material (e.g. cloth, fleece). Wash with plenty of water.

Treat the recovered material as prescribed in the section on waste disposal.

6.4. 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.

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7. Handling and storage

7.1. Precautions for safe handling

Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Keep / Store only in original container. Protect against Frost.

Hints on joint storage

Storage class (TRGS 510): 12

Specific end use(s):

Observe technical data sheet. Observe instructions for use.

8. Exposure controls / personal protection

8.1. Control parameters

None

8.2. Exposure controls

Personal protective equipment:

General protective and hygienic measures:

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.
Remove contaminated, saturated clothing immediately.

Protection of hands:

Wear protective gloves in case of longer lasting skin contact.

Suitable gloves type: EN 374.

Suitable material: NBR (Nitrile rubber).

Breakthrough time (maximum wearing time): 480 min.

Thickness of the glove material: 0.4 mm

Remark: The exact breakthrough time has to be requested from the protective glove manufacturer and limits has to be ensured.

Eye protection:

Wear suitable safety goggles in case of splash.

Suitable eye protection: Safety goggles acc. EN 166.

Additional information:

No tests have been performed. Selection made for preparations according to the best available knowledge and information on ingredients.

In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use.

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9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form:	liquid	
Colour:	white	
Odour:	characteristic	
pH-value	ca. 11.5	
Vapour pressure (50°C):	n.a.	
Boiling temperature/ Boiling range (1013hPa)	ca. 95°C	
Flash point:	n.a.	
Ignition temperature:	n.a.	
Danger of explosion: lower explosion limit: upper explosion limit:	n.a. n.a.	
Density (20°C):	0.92 g/cm ³	
Solubility (20°C):	completely miscible	
Solvent separation test (20°C):	n.a.	
Flow time (20°C):	n.a.	DIN-cup 4 mm
Solidifying point (1013 hPa):	0°C	
Maximum VOC content (EC):	0 Wt %	
Maximum VOC content (Switzerland):	0 Wt %	

9.2. Other information

None.

10. Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

No information available.

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10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Do not inhale explosion and combustion gases.

11. Toxicological information

11.1. Information on toxicological effects

Acute effects:

Acute oral toxicity

Parameter:	LD50 (WHITE MINERAL OIL (PETROLEUM); CAS No.: 8042-47-5)
Exposure route:	Oral
Species:	Rat
Effective dose:	> 5000 mg/kg
Method:	OECD 401
Parameter:	LD50 (ALCOHOLS, C16-18- AND C18 UNSAT., ETHOXY., PROPOX. ; CAS No. : 67706-24-3)
Exposure route:	Oral
Species:	Rat
Effective dose:	> 2000 mg/kg
Method:	OECD 401

Acute dermal toxicity

Parameter:	LD50 (WHITE MINERAL OIL (PETROLEUM); CAS No.: 8042-47-5)
Exposure route:	Dermal
Species:	Rabbit
Effective dose:	> 5000 mg/kg
Method:	OECD 402
Parameter:	LD50 (ALCOHOLS, C16-18- AND C18 UNSAT., ETHOXY., PROPOX. ; CAS No. : 67706-24-3)
Exposure route:	Dermal
Species:	Rat
Effective dose:	> 2000 mg/kg
Method:	OECD 402

Acute inhalation toxicity

Parameter:	LD50 (WHITE MINERAL OIL (PETROLEUM); CAS No.: 8042-47-5)
Exposure route:	Inhalation
Species:	Rat
Effective dose:	> 5000 mg/kg
Exposure time:	4 h
Method:	OECD 403

11.2. Toxicokinetics, metabolism and distribution

There are no data available on the preparation / mixture itself.

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11.3. Other adverse effects

Frequently or prolonged contact with skin may cause dermal irritation.

11.4. Additional information

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

12. Ecological information

12.1. Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter:	LC50 (WHITE MINERAL OIL(PETROLEUM) ; CAS No. : 8042-47-5)
Species:	Leuciscus idus (golden orfe)
Evaluation parameter:	Acute (short-term) fish toxicity
Effective dose:	> 100 mg/l
Exposure time:	96 h
Evaluation:	Harmless to fish up to the concentration tested.
Method:	OECD 203
Parameter:	LC50 (ALCOHOLS, C16-18- AND C18 UNSAT., ETHOXY., PROPOX. ; CAS No.: 677026-24-3)
Species:	Cyprinus carpio (Common Carp)
Evaluation parameter:	Acute (short-term) fish toxicity
Effective dose:	> 1 - 10 mg/l
Exposure time:	96 h
Method:	OECD 203
Parameter:	LC50 (WHITE MINERAL OIL (PETROLEUM); CAS No.: 8042-47-5)
Species:	Daphnia magna (Big water flea)
Evaluation parameter:	Acute (short-term) daphnia toxicity
Effective dose:	> 100 mg/l
Exposure time:	48 h
Evaluation:	Harmless to daphnia up to the tested concentration.
Method:	OECD 202
Parameter:	EC50 (WHITE MINERAL OIL (PETROLEUM); CAS No.: 8042-47-5)
Species:	Daphnia magna (Big water flea)
Evaluation parameter:	Chronic (long-term) daphnia toxicity
Effective dose:	> 1000 mg/l
Exposure time:	21 d
Method:	OECD 211

Acute (short-term) daphnia toxicity

Parameter:	EC50 (ALCOHOLS, C16-18- AND C18 UNSAT., ETHOXY., PROPOX. ; CAS No.: 677026-24-3)
Species:	Daphnia magna (Big water flea)
Evaluation parameter:	Acute (short-term) daphnia toxicity
Effective dose:	> 0,1 - 1 mg/l
Exposure time:	48 h
Method:	OECD 202

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Acute (short-term) algae toxicity

Parameter: EC50
(ALCOHOLS, C16-18- AND C18 UNSAT., ETHOXY., PROPOX. ; CAS No.: 677026-24-3)
Species: *Desmodesmus subspicatus*
Evaluation parameter: Acute (short-term) algae toxicity
Effective dose: > 0,1 - 1 mg/l
Exposure time: 72 h
Method: OECD 201

Bacteria toxicity

Parameter: EC50
(WHITE MINERAL OIL (PETROLEUM); CAS No.: 8042-47-5)
Species: Bacteria toxicity
Effective dose: > 100 mg/l
Exposure time: 40 h
Parameter: EC10
(ALCOHOLS, C16-18- AND C18 UNSAT., ETHOXY., PROPOX.; CAS No.: 677026-24-3)
Species: *Pseudomonas putida*
Evaluation parameter: Bacteria toxicity
Effective dose: > 2000 mg/l
Exposure time: 5,33 h

12.2. Persistence and degradability

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Biodegradation

Analytical method: Biodegradation
(WHITE MINERAL OIL (PETROLEUM); CAS No. : 8042-47-5)
Parameter: Degree of elimination
Type: Aerobic
Degradation rate: 24 %
Time: 28 d
Method: OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C
Analytical method: Biodegradation
(ALCOHOLS, C16-18-AND C18 UNSAT., ETHOXY., PROPOX.; CAS No.: 677026-24-3)
Parameter: Biodegradation
Type: Aerobic
Degradation rate: > 70 %
Time: 28 d
Evaluation: Readily biodegradable (according to OECD criteria).
Method: OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A
Analytical method: Biodegradation
(ALCOHOLS, C16-18- AND C18 UNSAT., ETHOXY., PROPOX.; CAS No.: 677026-24-3)
Parameter: Biodegradation
Type: Aerobic
Degradation rate: > 60 %
Time: 28 d
Evaluation: Readily biodegradable (according to OECD criteria).
Method: OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C

12.3. Bioaccumulative potential

No information available.

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12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT / vPvB criteria of REACH, annex XIII.

12.6. Other adverse effects

No information available.

12.7. Further ecological information

None

13. Disposal considerations

The waste codes are recommendations based on the schedule use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.

13.1. Waste treatment methods

Product / Packaging disposal

Waste codes / waste designations according to EWC / AVV

Waste code product

07 06 01* - aqueous washing liquids and mother liquors

20 01 30 - detergents other than those mentioned in 20 01 29.

Waste code packaging

15 01 02 - plastic packaging.

Waste treatment options

Appropriate disposal / Package

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

13.2. Additional information

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

14. Transport information

14.1. UN number

No dangerous goods in sense of this transport regulation.

14.2. UN proper shipping name

No dangerous goods in sense of this transport regulation.

14.3. Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

14.4. Packing group

No dangerous goods in sense of this transport regulation.

14.5. Environmental hazards

No dangerous goods in sense of this transport regulation.

14.6. Special precautions for user

None

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15. Regulatory information

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

EU legislation

Other regulations (EU)

Labelling for contents according to regulation (EC) No. 648/2004

15 - 30 % aliphatic hydrocarbons

< 5 % non-ionic surfactants

National regulations

AT: Labelling according to Austrian regulations (Chemikaliengesetz / ChemV).

CH: Chemikalienverordnung (ChemV) and Chemikalien-Risikoreduktions-Verordnung (Chem RRV) are complied.

Restrictions of occupation

None

Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 5 %

Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to VwVwS

Other regulations, restrictions and prohibition regulations

VbF-Class : -

15.2. Chemical safety assessment

No information available.

16. Other information

Relevant R-phrases (number and full text):

- 38 Irritating to skin.
- 50 Very toxic to aquatic organism.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.

Relevant H- and EUH-phrases (number and full text):

- H304 May be fatal if swallowed and enters airways.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H400 Very toxic to aquatic life.

Abbreviations and acronyms

- ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route.
- RID: Règlement concernant le transport international ferroviaire de marchandises Dangereuses
- ADN: Accord européen relative au transport international des marchandises dangereuses par voie de navigation intérieure
- AVV: Abfallverzeichnis - Verordnung BGI: Berufsgenossenschaftliche Informationen
- CAS: Chemicals Abstracts Service
- CLP: Classification, Labelling and Packaging
- DMEL: Derived Minimum Effect Level
- DNEL: Derived No Effect Level
- EC50: Median effective concentration
- ECB: European Chemicals Bureau
- EEC: European Economic Community
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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IATA: International Air Transport Association
IBC-Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50: Inhibition concentration, 50%
IMDG: International Maritime Code for Dangerous Goods
IUCLID: International Uniform Chemical Information Database
LC50: Lethal concentration, 50%
LD50: Median lethal dose
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
PBT: Persistent, Bioaccumulative and Toxic substance
PNEC: Predicted No-Effect Concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
TLV®/TWA: Threshold limit value – time weighted average
TLV®STEL: Threshold limit value – short- time exposure limit TRGS: Technische Regeln für Gefahrstoffe
VOC: Volatile Organic Compounds
vPvB: very Persistent and very Bioaccumulative
VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.