Safety Data Sheet
according to Ordinance (EC) No. 1907/2006

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

Trade name: **INOX PROTECT**

Supplier: ***Gerd Eisenblätter GmbH***

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

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

2. Composition / Information on ingredients

2.1. Mixtures
Hazardous ingredients

WHITE MINERAL OIL (PETROLEUM) ; REACH registration No. : 01-2119487078-27-XXXX ;
EC No. : 232-455-8; CAS No. : 8042-47-5

Weight fraction : ≥ 5 - < 10 %
Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

ALCOHOLS, C16-18- AND C18 UNSAT., ETHOXY., PROPOX. ; REACH registration No. : (Polymer) ;
EC No. : 932-102-4; CAS No. : 677026-24-3

Weight fraction : ≥ 2,5 - < 5 %
Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Aquatic Acute 1 ; H40

Additional information
(Full text of 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)
None.

3.2. Label elements

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

Special rules for supplemental label elements for certain mixtures
EUH210 Safety data sheet available on request.

3.3. Other hazards
None.

4. First aid measures

4.1. Description of first aid measures

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

Following inhalation: Remove casualty to fresh air and keep warm and at rest.

In case of 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.

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

4.2. Most important symptoms and effects, both acute and delayed
None.

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 (CO_2), 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 (CO_2).

5.3. Advice for fire fighters
Wear a self-contained breathing apparatus and chemical protective clothing.

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.

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

7.3. Specific end use(s):

Observe technical data sheet. Observe instructions for use.

8. Exposure controls / personal protection

8.1. Control parameters

Occupational exposure limit values

WHITE MINERAL OIL (PETROLEUM) ; CAS No. : 8042-47-5

Limit value type (country of origin) : TRGS 900 (D)

Parameter : A: respirable fraction
Limit value : 5 mg/m3
Peak limitation : 4(II)
Remark : Y
Version : 07.06.2018

8.2. Exposure controls

Personal protective equipment:

General health and safety measures:
Do not put any product-impregnated cleaning rags into your trouser pockets.
When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P264 - Wash hands thoroughly after handling.

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 quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye/face protection:
Wear suitable safety goggles in case of splash.
Suitable eye protection: Safety goggles acc. EN 166.

8.3. 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.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form:	liquid	
Colour:	white	
Odour:	characteristic	
pH-value	approx. 11,4	
Vapour pressure (50°C):	No data available	
Initial boiling point/ Boiling range (1013hPa)	approx. 100°C	
Flash point:	not relevant	
Danger of explosion:		
lower explosion limit:	not relevant	
upper explosion limit:	not relevant	
Density (20°C):	approx. 0.94 g/cm^3	
Solvent separation test (20°C):	not relevant	
Flow time (20°C):	23 s	DIN-cup 4 mm
Maximum VOC content (EC):	< 1 Wt %	
Maximum VOC content (Switzerland):	< 1 Wt %	

9.2. Other information
None.

10. Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

11. Toxicological information

11.1. Information on toxicological effects

Acute effects:

Acute oral toxicity

Parameter:	ATEmix calculated
Exposure route:	Oral
Effective dose:	> 2000 mg/kg

Acute dermal toxicity

Parameter:	ATEmix calculated
Exposure route:	Dermal
Effective dose:	> 2000 mg/kg

Acute inhalation toxicity

Parameter:	ATEmix calculated
Exposure route:	Inhalation
Effective dose:	> 20 mg/l

Irritant and corrosive effects

Primary irritation to the skin
No further relevant information available.
Irritation to eyes
No further relevant information available.

Sensitisation

In case of skin contact
No further relevant information available.
In case of inhalation
No further relevant information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Carcinogenicity
No further relevant information available.
Germ cell mutagenicity
No further relevant information available.
Reproductive toxicity
No further relevant information available.

STOT-single exposure
No further relevant information available.
STOT-repeated exposure
No further relevant information available.
Aspiration hazard
No further relevant information available.

11.2. Toxicokinetics, metabolism and distribution
There are no data available on the preparation / mixture itself.

11.3. Other adverse effects
May be absorbed through the skin. Repeated exposure may cause skin dryness or cracking.

11.4. Additional information
Preparation not tested. The statement is derived from the properties of the single components.

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

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

Biodegradation

Parameter:	Biodegradation (WHITE MINERAL OIL (PETROLEUM); CAS No. : 8042-47-5)
Inoculum:	Degree of elimination
Type:	Aerobic
Degradation rate:	24 %
Time:	28 d
Method:	OECD 301B

Parameter:	Biodegradation (ALCOHOLS, C16-18-AND C18 UNSAT., ETHOXY., PROPOX.; CAS No.: 677026-24-3)
Inoculum:	Biodegradation
Type:	Aerobic
Degradation rate:	> 70 %
Time:	28 d
Evaluation:	Readily biodegradable (according to OECD criteria).
Method:	OECD 301A

Parameter:	Biodegradation (ALCOHOLS, C16-18- AND C18 UNSAT., ETHOXY., PROPOX.; CAS No.: 677026-24-3)
Inoculum:	Biodegradation
Type:	Aerobic
Degradation rate:	> 60 %
Time:	28 d
Evaluation:	Readily biodegradable (according to OECD criteria).
Method:	OECD 301B

According to the recipe, contains no AOX. The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

12.3. Bioaccumulative potential
No information available.

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 allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. List of proposed waste codes/waste designations in accordance with EWC

13.1. Waste treatment methods

Product / Packaging disposal
Waste codes / waste designations according to EWC / AVV

Waste code product
20 01 29* - detergents containing dangerous substances.
Waste code packaging
15 01 02 - plastic packaging.

Waste treatment options
Appropriate disposal / Package
Contaminated packages must be completely emptied and can be re-used following proper cleaning. Handle contaminated packages in the same way as the substance itself.

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.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No transport as bulk according to IBC Code.

15. Regulatory information

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

EU legislation
Authorisations and/or restrictions on use
Restrictions of occupation
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
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.
Technische Anleitung Luft (TA-Luft)
Weight fraction (Number 5.2.5. I) : < 5 %
Water hazard class (WGK)
Classification according to AwSV - Class : 1 (Slightly hazardous to water)

15.2. Chemical safety assessment
For this substance a chemical safety assessment has not been carried out.

16. Other information

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

H304 May be fatal if swallowed and enters airways..
H315 Causes skin irritation.
H400 Very toxic to aquatic life.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(Europäisches Übereinkommen über die Beförderung gefährlicher Güter auf der Straße)
AOX: adsorbierbare organisch gebundene Halogene
AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen
CAS: Chemical Abstracts Service (Unterabteilung der American Chemical Society)
CLP: Verordnung (EG) Nr. 1272/2008 über die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen (Classification Labelling and Packaging)
EAK / AVV: europäischer Abfallartenkatalog / Abfallverzeichnis-Verordnung
ECHA: Europäische Chemikalienagentur (European Chemicals Agency)
EINECS: : Altstoffverzeichnis (European Inventory of Existing Commercial Chemical Substances)
GHS: Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien
(Globally Harmonized System of Classifiaction and Labelling of Chemicals)
IATA: Internationale Luftverkehrs-Vereinigung (International Air Transport Association)
ICAO: Internationale Zivilluftfahrtorganisation (International Civil Aviation Organization)
IMDG: Gefahrgutkennzeichnung für gefährliche Güter im Seeschiffverkehr
(International Maritime Code for Dangerous Goods)
RID: Regelung zur internationalen Beförderung gefährlicher Güter im Schienenverkehr
(Règlement concernant le transport international ferroviaire de marchandises dangereuses)
TRGS: Technische Regel für den Umgang mit Gefahrstoffen
VbF: Verordnung über brennbare Flüssigkeiten
VOC: flüchtige organische Verbindung (volatile organic compound)
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe
WGK: Wassergefährdungsklasse

Key literature references and sources for data

DGUV: GESTIS-Stoffdatenbank
ECHA: Classification And Labelling Inventory
ECHA: Pre-registered Substances
ECHA: Registered Substances
EC_Safety Data Sheet of Suppliers
ESIS: European Chemical Substances Information System
GDL: Gefahrstoffdatenbank der Länder
UBA Rigoletto: Wassergefährdende Stoffe
Regulation (EC) No. 1907/2006 of the European Parliament and of the Council
Regulation (EC) No. 1272/2008 of the European Parliament and of the Council

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.