

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Emulsion Pro-Tec B 380, Art. Nr. 55-645-306, -307

First Class
WINTERSTEIGER
Ski & Board Tuning

Version: 1.1

Revision Date: 20.07.2017

Print Date: 21.07.2017

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

1.1 Product identifier

Trade name : Emulsion Pro-Tec B 380, Art. Nr. 55-645-306, -307

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

Use of the Sub-
stance/Mixture : High speed grinding cooling agent for metalworking

1.3 Details of the supplier of the safety data sheet

Company : Wintersteiger AG
A-4910 Ried im Innkreis, Dimmelstraße 9
Tel. +43 (0) 7752 919-0, Fax: +43 (0) 7752 919-52
E-Mail: sports@wintersteiger.at

1.4 Emergency telephone number

: Giftinformationszentrum Erfurt:
+49 (0) 361 730 730

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Additional Labelling

EUH210 Safety data sheet available on request.
EUH208 Contains 1,2-Benzisothiazol-3(2H)-one, 2-Methyl-2H-isothiazol-3-one. May produce an allergic reaction.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Emulsion Pro-Tec B 380, Art. Nr. 55-645-306, -307

Version: 1.1

Revision Date: 20.07.2017

Print Date: 21.07.2017

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

The information required is contained in this Material Safety Data Sheet.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Preparation of polyglycols, anticorrosives plus anionic and additives

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (% w/w)
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2 223-296-5	Aquatic Acute 1; H400 Acute Tox. 4; H332 Acute Tox. 4; H312 Acute Tox. 4; H302 Eye Irrit. 2; H319 Skin Irrit. 2; H315 M-Factor Acute aquatic toxicity:100 M-Factor Chronic aquatic toxicity:10	>= 0.1 - < 0.25
1,2-Benzisothiazol-3(2H)-one	2634-33-5 220-120-9	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	< 0.05
2-Methyl-2H-isothiazol-3-one	2682-20-4 220-239-6	Acute Tox. 3; H301 Acute Tox. 2; H330 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	< 0.1

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : No special precautions required.
Call a physician if symptoms occur.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Emulsion Pro-Tec B 380, Art. Nr. 55-645-306, -307

First Class
WINTERSTEIGER
Ski & Board Tuning

Version: 1.1

Revision Date: 20.07.2017

Print Date: 21.07.2017

- If inhaled : Provide fresh air.
If symptoms persist, call a physician.
- In case of skin contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
If symptoms persist, call a physician.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical advice.
- If swallowed : Call a physician immediately.
Keep at rest.
Do NOT induce vomiting.
Aspiration hazard.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.
- Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry powder
Water mist
- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire-fighting : Combustion may cause:
Carbon dioxide (CO₂)
Carbon monoxide
Nitrogen oxides (NO_x)

5.3 Advice for firefighters

- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Further information : Use water spray to cool unopened containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Emulsion Pro-Tec B 380, Art. Nr. 55-645-306, -307

Version: 1.1

Revision Date: 20.07.2017

Print Date: 21.07.2017

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid contact with skin, eyes and clothing.
Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions : Do not let product enter drains.
Inform the relevant authorities if it enters sewers, aquatic environment or soil.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

See chapter
8
and
13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid contact with skin and eyes.
Provide sufficient air exchange and/or exhaust in work rooms.
Do not breathe vapours or spray mist.
Smoking, eating and drinking should be prohibited in the application area.
For personal protection see section 8.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Follow the water regulations. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in original container.

Further information on storage conditions : Keep only in the original container in a cool, well-ventilated place. Keep away from heat. Keep at temperatures between 5°C and 45°C.

Advice on common storage : Incompatible with oxidizing agents.

Storage class (TRGS 510) : 12, Non Combustible Liquids

7.3 Specific end use(s)

Specific use(s) : High speed grinding cooling agent for metalworking

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Emulsion Pro-Tec B 380, Art. Nr. 55-645-306, -307

Version: 1.1

Revision Date: 20.07.2017

Print Date: 21.07.2017

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Triethanolamine	Workers	Inhalation	Long-term systemic effects	5 mg/m ³
	Workers	Inhalation	Long-term local effects	5 mg/m ³
	Workers	Skin contact	Long-term systemic effects	6.3 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Triethanolamine	Fresh water	0.32 mg/l
	Marine water	0.032 mg/l
	Sewage treatment plant	10 mg/l
	Fresh water sediment	1.7 mg/kg dry weight (d.w.)
	Marine sediment	0.17 mg/kg dry weight (d.w.)
	Soil	0.151 mg/kg dry weight (d.w.)

8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses with side-shields conforming to EN166

Hand protection

Material : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

Remarks : The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. The exact break through time can be obtained from the protective glove producer and this has to be observed.

Skin and body protection : protective suit

Respiratory protection : not required under normal use
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Do not breathe gas/fumes/vapour/spray.

Protective measures : Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).
Do not breathe gas/fumes/vapour/spray.
Follow the skin protection plan.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Emulsion Pro-Tec B 380, Art. Nr. 55-645-306, -307

Version: 1.1

Revision Date: 20.07.2017

Print Date: 21.07.2017

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: clear, light yellow
Odour	: amine-like
Odour Threshold	: No data available
pH	: ca. 9.8 Concentration: 30 g/l
Melting point/freezing point	: No data available
Boiling point/boiling range	: No data available
Flash point	: > 100 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: 1.045 g/cm ³ (20 °C)
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Flow time	: No data available
Explosive properties	: No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Emulsion Pro-Tec B 380, Art. Nr. 55-645-306, -307

Version: 1.1

Revision Date: 20.07.2017

Print Date: 21.07.2017

Oxidizing properties : No data available

9.2 Other information

Other physico-chemical properties: This information is not available/not determined.

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : No decomposition if used as directed.

10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

In case of fire hazardous decomposition products may be produced such as:

Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

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

Acute toxicity

Components:

Pyridine-2-thiol 1-oxide, sodium salt:

Acute oral toxicity : LD50 (Rat): 1,208 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 1,800 mg/kg

1,2-Benzisothiazol-3(2H)-one:

Acute oral toxicity : LD50 (Rat): 1,193 mg/kg

Acute dermal toxicity : LD50 (Rat): 4,115 mg/kg

Version: 1.1

Revision Date: 20.07.2017

Print Date: 21.07.2017

Skin corrosion/irritation

Product:

Remarks: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.
May irritate skin.

Serious eye damage/eye irritation

Product:

Remarks: The liquid splashed in the eyes may cause irritation and reversible damage.

Respiratory or skin sensitisation

Product:

Remarks: This information is not available.

Germ cell mutagenicity

Product:

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

Carcinogenicity

Product:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

Reproductive toxicity

Product:

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

STOT - single exposure

Product:

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

STOT - repeated exposure

Product:

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

Aspiration toxicity

Product:

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

Further information

Product:

Remarks: Health injuries are not known or expected under normal use.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Emulsion Pro-Tec B 380, Art. Nr. 55-645-306, -307

Version: 1.1

Revision Date: 20.07.2017

Print Date: 21.07.2017

SECTION 12: Ecological information

12.1 Toxicity

Product:

Ecotoxicology studies for the product are not available.

Components:

Pyridine-2-thiol 1-oxide, sodium salt:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.0066 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia (water flea)): 0.022 mg/l
aquatic invertebrates Exposure time: 48 h

Toxicity to algae : EC50 (Selenastrum capricornutum (fresh water algae)): 0.46
mg/l
Exposure time: 72 h

M-Factor (Acute aquatic tox- : 100
icity)

M-Factor (Chronic aquatic : 10
toxicity)

1,2-Benzisothiazol-3(2H)-one:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 3.4 mg/l
Exposure time: 96 h

LC50 (Oncorhynchus mykiss (rainbow trout)): 1.3 - 1.6 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : LC50 (Daphnia magna (Water flea)): 2.94 mg/l
aquatic invertebrates Exposure time: 48 h

Toxicity to algae : EC50 (Algae): 0.15 mg/l
Exposure time: 72 h

Toxicity to microorganisms : EC20 (activated sludge): 3.3 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

2-Methyl-2H-isothiazol-3-one:

Toxicity to microorganisms : EC20 (activated sludge): 2.8 mg/l
Exposure time: 3 h
Method: DIN 38412

EC50 (activated sludge): 34.6 mg/l
Exposure time: 3 h
Method: DIN 38412

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Emulsion Pro-Tec B 380, Art. Nr. 55-645-306, -307

Version: 1.1

Revision Date: 20.07.2017

Print Date: 21.07.2017

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No data available

Components:

1,2-Benzisothiazol-3(2H)-one:

Biodegradability : Test Type: Primary biodegradation
Biodegradation: > 90 %
Method: OECD Test Guideline 303 A
Remarks: rapidly biodegradable

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Components:

Pyridine-2-thiol 1-oxide, sodium salt:

Partition coefficient: n- : log Pow: -3.8
octanol/water

12.4 Mobility in soil

Product:

Mobility : Remarks: No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological information : Do not flush into surface water or sanitary sewer system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Emulsion Pro-Tec B 380, Art. Nr. 55-645-306, -307

Version: 1.1

Revision Date: 20.07.2017

Print Date: 21.07.2017

Do not let product enter drains.
Do not dispose of with domestic refuse.

Contaminated packaging : Dispose of in accordance with local regulations.

Waste Code : Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Refer to protective measures listed in sections 7 and 8.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Other regulations : The product is classified and labelled in accordance with EC directives or respective national laws.
Regional or national implementations of GHS may not implement all hazard classes and categories.

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of H-Statements

H301 : Toxic if swallowed.
H302 : Harmful if swallowed.
H312 : Harmful in contact with skin.
H314 : Causes severe skin burns and eye damage.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Emulsion Pro-Tec B 380, Art. Nr. 55-645-306, -307

First Class
WINTERSTEIGER
Ski & Board Tuning

Version: 1.1

Revision Date: 20.07.2017

Print Date: 21.07.2017

H330	:	Fatal if inhaled.
H332	:	Harmful if inhaled.
H400	:	Very toxic to aquatic life.
H411	:	Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Acute aquatic toxicity
Aquatic Chronic	:	Chronic aquatic toxicity
Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Skin Corr.	:	Skin corrosion
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation

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; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information	:	The information provided is based on our current knowledge and experience and apply to the product as delivered. Regarding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product. This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
-------------------	---	---

GB / EN