

Beiblatt zum Sicherheitsdatenblatt / Supplement to the safety data sheet

Abschnitt 1 / Section 1

1.1 Produktidentifikation / Product identification

s. Original-Datenblatt / see original safety data sheet

1.2 Verwendungen des Stoffs / Uses of the substance











s. Original-Datenblatt / see original safety data sheet

1.3 Einzelheiten zum Lieferanten / Details of the supplier

Firmenname /	Supplier	Stürmer Maschinen GmbH,
Straße /	Street	Dr.-Robert-Pfleger-Str. 26,
Ort /	City	D-96103 Hallstadt
Tel. /	Phone	+49 (0)951 96555 - 0 (07:00 - 17:00 Uhr / 07:00 am - 05:00 pm)
E-Mail /	E-Mail	info@stuermer-maschinen.de

1.4 Notrufnummer / Emergency Telephone

Wählen Sie die passende Notrufnummer anhand des GHS-Symbols auf Ihrem Gefahrgut oder entsprechend Abschnitt 2.2 des orig. Sicherheitsdatenblattes *.
Call the appropriate emergency number using the GHS symbol on your dangerous goods or according to section 2.2 of the original safety data sheet *.

GHS Gefahren-piktogramm / GHS symbol	GHS-Kürzel/ GHS-no.	Mögliche Signalwörter/ Warning	Gefährdungsklassen / Description of hazards	Notrufnummer */ Emergency Phone *
	GHS01 bis GHS09			+49 (0)951 96555 - 590 Sammelnotrufnummer Gefahrstoffe
	GHS01	Gefahr oder Achtung / Danger or Attention	Explosive Stoffe/Gemische und Erzeugnisse mit Explosivstoff, selbstzersetzliche Stoffe/Gemische, organische Peroxide / Explosive substances / mixtures and products containing explosives, self-reactive substances / mixtures, organic peroxides	- 591
	GHS02	Gefahr oder Achtung / Danger or Attention	Selbstzersetzliche Stoffe/Gemische, organische Peroxide, entzündbare Gase, Aerosole Flüssigkeiten, Feststoffe, selbsterhitzungsfähige Gemische, pyrophore Flüssigkeiten und Feststoffe, Stoffe/Gemische, die bei Berührung mit Wasser entzündbare Gase bilden / Self-reactive substances / mixtures, organic peroxides, flammable gases, aerosols, liquids, solids, self-heating mixtures, pyrophoric liquids and solids, substances / mixtures which form flammable gases on contact with water	- 592
	GHS03	Gefahr oder Achtung / Danger or Attention	Oxidierende Gase, Flüssigkeiten, Feststoffe / Oxidizing gases, liquids, solids	- 593
	GHS04	Achtung / Attention	Verdichtete, verflüssigte, gelöste und tiefgekühlt verflüssigte Gase / Compressed, liquefied, dissolved and refrigerated liquefied gases	- 594
	GHS05	Gefahr oder Achtung / Danger or Attention	Verätzung der Haut, schwere Augenschäden, auch metallkorrosive Eigenschaften / Chemical burns to the skin, severe eye damage, also metal-corrosive properties	- 595
	GHS06	Gefahr / Danger	Äußerst schwere und schwere akute Gesundheitsschäden oder Tod / Extremely severe and severe acute damage to health or death	- 596
	GHS07	Achtung / Attention	Akute Gesundheitsschäden, Reizung der Haut, der Augen und der Atemwege, Sensibilisierung der Haut, narkotisierende Wirkungen / Acute damage to health, irritation of the skin, eyes and the respiratory tract, sensitization of the skin, narcotic effects	- 597
	GHS08	Gefahr oder Achtung / Danger or Attention	Chronische Gesundheitsschäden (Organschädigungen) bei einmaliger oder mehrmaliger Exposition, krebserzeugende, erbgutverändernde und fortpflanzungsgefährdende Wirkungen, Lungenschäden durch Eindringen von Substanzen in die Lunge (Aspirationsgefahr), Sensibilisierung der Atemwege / Chronic damage to health (damage to organs) after single or multiple exposure, carcinogenic, mutagenic and reproductive effects, lung damage due to the penetration of substances into the lungs (risk of aspiration), sensitization of the respiratory tract	- 598
	GHS09	Achtung oder ohne Signalwort / Attention or without wording	Giftig für Wasserorganismen mit kurz- und langfristiger Wirkung / Toxic to aquatic organisms with short and long-term effects	- 599

* 07:00 - 17:00 Uhr, außerhalb dieses Zeitraums kann die Nummer auf dem Sicherheitsdatenblatt angerufen werden / 07:00 am - 05:00 pm, outside this time, the number on the safety data sheet can be called

Für alle anderen Informationen siehe Original-Sicherheitsdatenblatt / For all other information, see the original safety data sheet

SAFETY SHEET

According to the COMMISSION REGULATION (EU) 2020/878

Date of issue: 23. 03. 2023

Date of revision:

Product name: **MPT 312-6**

Section 1. Identification of the substance/mixture and company

1.1 Product identifier:

Product trade name: **MPT 312-6**

Product description: Liquid

1.2 Recommended use of the substance: **Anti-corrosive coolant -20°C**

1.3 Details of the safety data sheet supplier:

Headquarters: Hweld s.r.o.

VAT: Benkova 16, 949 11 Nitra, Slovakia

Phone: 36761010

E-mail: +421 911 104 215

Author of the safety data sheet: hweld@hweld.sk

Phone: Ing. Jaroslav Holý

E-mail: +421 911 104 215

1.4 Emergency phone number: hweld@hweld.sk

Toxikologické informační středisko, Na Bojišti 1, 128
08 Praha 2; telefon (24 hodin/den) 224 919 293,
224 915 402, 224 914 575

Section 2. Hazard identification

2.1 Classification of the mixture:

If the mixture does not meet the criteria for classification.

2.2 Label elements:

MPT 312-6

UFI: KDN8-60JE-2008-NXVK

1.5 Recommended use of the substance: **Anti-corrosive coolant, -20°C**

Warning symbols: none

Signal word: not applicable

Hazardous substances: none

Standard hazard statements: not applicable

Instructions for safe handling: not applicable

Most serious adverse physico-chemical and human health and environmental effects: not known.

Supplier: Hweld s.r.o., Benkova 16, 949 11 Nitra, Slovakia, Phone: +421 911 104 215,

VAT: 367 61 010, E-mail: hweld@hweld.sk

2.3 Additional information on the label: EUH210 Safety data sheet available on request.

Results of PBT and vPvB assessment: The mixture does not contain substances classified as PBT and vPvB at the date of the safety data sheet.

Section 3. Composition / information on ingredients

A mixture of non-hazardous substances or the content of hazardous substances in this mixture is below the reported concentration.

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Section 4. First aid instructions

4.1. First aid:

Inhalation: Unlikely – it does not evaporate.

Contact with skin: Rinse with plenty of water. Treat with cream. With heavy contamination of parts of clothing, shoes and socks – immediately remove from the body.

Contact with eyes: Thoroughly rinse with clean water flow for 10 - 15 min with the eyelid open immediately.

Ingestion: Do not induce vomiting. Consult a doctor. Ensure quiet and calm to the affected person.

4.2 The most important symptoms and effects (acute and delayed):

Inhalation: There is no inhalation in the usual way of using and maintaining basic hygiene regulations.

Contact with skin: Exceptionally, it may cause mild irritation.

Contact with eyes: Irritates the eyes, redness of the whites may occur.

Ingestion: May irritate the gastrointestinal tract, may cause nausea and vomiting.

4.3 Instructions for immediate medical assistance and special treatment: Symptomatic treatment.

5. Fire-fighting measures

Non-flammable liquid.

5.1 Extinguish media:

Appropriate: extinguishing powder, CO₂, foam, water.

Inappropriate: -

5.2 Special hazards arising from the substance or mixture: combustion produces CO_x.

5.3 Advice for firefighters: Protective clothing, in enclosed spaces self-contained breathing apparatus.

5.4 Other data: -

6. Precautions in case of accidental leakage

6.1 Personal precautions, protective equipment and emergency procedures:

For personnel other than emergency responders: Wear appropriate protective equipment - protective clothing, goggles, gloves and work boots. Ensure adequate ventilation. Risk of slipping in case of spillage. Follow the instructions contained in Chapters 7 and 8.

For emergency responders: Wear appropriate protective equipment - protective clothing, goggles, gloves and work boots.

6.2 Special hazards arising from the substance or mixture: In case of leakage, bury with an absorbent non-flammable material, sand, vapex and deliver in a closed container for disposal.

6.3 Methods and materials to prevent spread and for cleaning: Dispose of the soaked rags or other absorbent material – sand, sorbent, vapex – in suitable waste containers. Disposal according to local regulations and Act 541/2020 Coll. In the event of a massive spill, ensure that the product does not enter a watercourse. In this case, inform the competent authorities.

Other data: -

7. Use and storage

7.1 Safety precautions for safe use: Protect your eyes from injury. Before work breaks or at the end of working hours thoroughly wash hands with water and treat with a suitable cream. Do not eat, drink or smoke while using.

SAFETY SHEET

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7.2 Conditions for safe storage: Store in well-closed and original containers in a dry place. Do not store together with acids and oxidizing agents. Shelf life up to 24 months from the date of manufacture.

Suitable packaging material: Plastic HDPE – 2, PET – 1, PP – 5 packaging.

Unsuitable packaging material: Metal.

7.3 End use specifications: Cooling anti-corrosive liquid, -20° C.

8. Exposure controls / personal protection

Technical measures: Store the well closed original container in a dry place. Do not store together with strong acids as well as oxidizing agents.

8.1 Control parameters:

Identification numbers	Chemical name of the substance	Maximum permissible concentration NPK-P (limit)
CAS: 102-71-6 ES: 203-049-8	2,2',2''-nitrilotriethanol	PEL 5 mg/m ³ NPK-P 10 mg/m ³

* The content of this substance in the preparation is 0,1%

Other data on limit values

DNEL for CAS 102-71-6: 2,2',2''-nitrilotriethanol

DNEL worker:	
Inhaled long-term local effects	1 mg/m ³
Dermal long-term systemic effects	7,5 mg/kg
Dermal long-term local effects	140 µg/cm ²
DNEL consumer:	
Inhaled long-term local effects	400 µg/m ³
Dermal long-term systemic effects	2,66 mg/kg
Dermal long-term local effect	70 µg/cm ²
Oral long-term systemic effects	3,3 mg/kg

DNEL for CAS 57-55-6: propan-1,2-diol (not classified as hazardous by ECHA)

DNEL worker:	
Inhaled long-term systemic effects	168 mg/m ³
Inhaled long-term local effects	10 mg/m ³
DNEL consumers:	
Inhaled long-term systemic effects	50 mg/m ³
Inhaled long-term local effects	10 mg/m ³

SAFETY SHEET

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Date of issue: 23. 03. 2023

Date of revision:

Product name: MPT 312-6

PNEC for CAS 102-71-6: 2,2',2''-nitrilotriethanol

freshwater	320 µg/l
occasional leakage	5,12 mg/l
seawater	32 µg/l
WWTP	10 mg/l
sediment freshwater	1,7 mg/kg
sediment seawater	0,17 mg/kg
soil	0,151 mg/kg

PNEC for CAS 57-55-6: propan-1,2-diol (not classified as hazardous by ECHA)

freshwater	260 mg/l
intermittent leakage	183 mg/l
seawater	26 mg/l
WWTP	20 g/l
sediment freshwater	572 mg/kg
sediment seawater	57,2 mg/kg
soil	50 mg/kg

8.2 Occupational exposure controls: A complete set of specific protective and precautionary measures. point 7 of the safety data sheet. Usual precautions are taken when handling chemicals. Do not eat, drink or smoke at work. During breaks and after work, thoroughly wash hands with water. Do not touch your eyes before washing your hands.

Personal protective equipment: Workers are required to wear appropriate protective clothing, work gloves.

Skin protection: latex protective work gloves, PVC, PE, EN 374.

Respiratory protection: -

Eye protection: protective work goggles EN166.

Personal and occupational hygiene: Wash contaminated hands with water and soap before work breaks. Do not eat, drink or smoke at work.

9. Physical and chemical properties

Physical condition (at +20⁰ C):	liquid
Colour:	clear (or as required by the customer)
Odor:	characteristic
Odor treshold:	not set
Heat / freezing temperature (⁰ C):	- 20
Boiling point and boiling point range (⁰ C):	not set
Combustibility:	non-flammable liquid
Explosive limit value:	non-explosive (under normal conditions)
Flash point (⁰ C):	-
Auto-ignition temperature (⁰ C):	-
Decomposition temperature (⁰ C):	> 300
pH of the concentrate:	8,5
Kinematic viscosity:	-

SAFETY SHEET

According to the COMMISSION REGULATION (EU) 2020/878

Date of issue: 23. 03. 2023

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Product name: MPT 312-6
Solubility (at 20 °C):

- in water: soluble
- in fats: not set

Partition coefficient n-okt./water:

-

Vapour pressure:

data not available

Density and/or relative density:1,04 g/cm³**Relative vapour density:**

data not available

Other information: se new BL decree**Oxidation purposes:**

data not available

10. Stability and reactivity

10.1 Reactivity: n/a**10.2 Chemical stability:** The product is stable under normal conditions, reacts with metals - their passivation.**10.3 Possibility of dangerous reactions:** n/a**10.4 Conditions to be avoided:** Contact with compounds with polysaturated bonds - loss of anti-corrosion properties.**10.5 Incompatible materials:** n/a**10.6 Hazardous decomposition products:** Upon thermal decomposition, amines are formed.**Other data:** -

11. Toxicological information

11.1 Information on hazard classes**a) Acute toxicity:** Based on available data, the classification criteria are not met.

For CAS 102-71-6: 2,2',2''-nitrilotriethanol (the content of this substance in the preparation is below 0.1%)

	Dose	Species	Source
LD50, oral	> 6400 mg/kg	Rat	Manufacturer
LD50, dermal	> 2 000 mg/kg	Rabbit	Manufacturer

For CAS 57-55-6: propan-1,2-diol (not classified as hazardous by ECHA)

	Dose	Species	Source
LD50, oral	>22000 mg/kg	Rat	Manufacturer
LD50, dermal	>2000 mg/kg	Rabbit	Manufacturer

b) Irritation and corrosivity: Based on available data, the classification criteria are not met.**c) Sensitising effects:** Based on available data, the classification criteria are not met.**d) Carcinogenic/mutagenic/toxic effects for reproduction:** Based on available data, the classification criteria are not met.**e) STOT-single exposure:** Based on available data, the classification criteria are not met.**f) STOT-repeated exposure:** Based on available data, the classification criteria are not met.**g) Aspiration hazard:** Based on available data, the classification criteria are not met.

SAFETY SHEET

According to the COMMISSION REGULATION (EU) 2020/878

Date of issue: 23. 03. 2023

Date of revision:

Product name: **MPT 312-6****h) Information on likely routes of exposure:** Skin contact, Eye contact, oral, Inhalation.**11.2 Information on other hazards:****11.2.1 Endocrine disrupting properties:** No information available.**11.2.2 Other information:** -**12. Ecological information****12.1 Toxicity of the mixture:** Avoid free handling of the product, use the product only according to the enclosed instructions.

For CAS 102-71-6: 2,2',2''-nitritotriethanol (the content of this substance in the preparation is below 0.1%)

LC ₅₀ for freshwater fish	11,8 g/l
EC ₅₀ /LC ₅₀ for freshwater invertebrates	609,88 mg/l
NOEC for freshwater invertebrates	16 mg/l
EC ₅₀ for freshwater algae	512 mg/l
NOEC for freshwater algae	26 mg/l
EC ₅₀ for micro-organisms	1 g/l

For CAS 57-55-6: propan-1,2-diol (not classified as hazardous by ECHA)

LC ₅₀ for freshwater fish	40,613 g/l
EC ₅₀ /LC ₅₀ for freshwater invertebrates	18,340 g/l
EC ₅₀ /LC ₅₀ for marine invertebrates	18,8 g/l
NOEC for freshwater invertebrates	13,02 g/l
EC ₅₀ for freshwater algae	19 g/l
EC ₅₀ for marine algae	19,1 g/l
NOEC for micro-organisms	20 g/l

12.2 Persistence and degradability: Degradable under EU Directive No. 648/2004.**12.3 Bioaccumulative potential:** n/a**12.4 Mobility in soil:** n/a**12.5 Results of PBT and vPvB assessment:** The mixture does not contain Substances classified as PBT vPvB at the date of preparation of the SDS.**12.6 Endocrine disrupting properties:** Does not contain substances listed in the main European lists of potential or suspected interfering substances, endocrine disruptors with assessed environmental effects.**12.7 Other adverse effects:** None.**13. Disposal considerations****13.1 Product waste management methods:** Do not burn (dispose of) with ordinary household waste. Proceed according to the Waste Act 541/2020 Coll., i.e. hand over to a person authorised under this Act. Dispose of the clean liquid in a WWTP. Classification according to the waste catalogue: 11 01 99 – wastes not otherwise specified.**13.2 Packaging management methods:** Do not burn (dispose of) with ordinary household waste. Proceed according to local regulations - in accordance with the provisions of Act No. 541/2020 Coll. on waste, i.e. hand over to a person authorised under this Act. After rinsing with water, category O. Classification according to the waste catalogue: 15 01 02 - plastic

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SAFETY SHEET

According to the COMMISSION REGULATION (EU) 2020/878

Date of issue: 23. 03. 2023

Date of revision:

packaging.

SAFETY SHEETAccording to the **COMMISSION REGULATION (EU) 2020/878**

Date of issue: 23. 03. 2023

Date of revision:

<i>Product name:</i>	MPT 312-6
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14. Transport information

The product is not classified as hazardous for transport.

15. Regulatory information

15.1 Information on authorisations and restrictions for all substances contained in the mixture:
n/a

15.2 Chemical safety assessment: Not carried out.

Safety, health and environmental regulations/specific legislation relating to the substance or mixture:

COMMISSION REGULATION (EU) 2016/918 of 19 May 2016, COMMISSION REGULATION (EU) 2016/1179 of 19 July 2016, COMMISSION REGULATION (EU) 2017/542 of 22 March 2017, COMMISSION REGULATION (EU) 2018/669 of 16 April 2018

Commission Regulation (EC) No 790/2009. Commission Directive 91/322/EEC, laying down indicative limit values for the implementation of Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work. Regulation (EC) No 396/2005 of the European Parliament and of the Council on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC. Commission Regulation (EC) No 149/2008 amending Regulation (EC) No 396/2005 of the European Parliament and of the Council by establishing Annexes II, III and IV setting maximum residue levels for the products listed in Annex I to Regulation No 396/2005. Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents used at work (14th individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC). Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values for the implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents used at work. Commission Directive 2006/15/EC laying down a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Act on the Care of Public Health (20/1966 Coll.), as amended, in particular Act No. 258/2000 Coll. (Act on the Protection of Public Health) Act No. 258/2000 Coll. on the Protection of Public Health and on the Amendment of Certain Related Acts, as amended. Act No. 309/2006 Coll. regulating further requirements for occupational safety and health in labour relations and on ensuring safety and health in the course of activities or provision of services.

16. Other information

Legend to abbreviations and abbreviated words:

CAS	A unique numerical identifier for chemical substances.
ES (EINECS)	Existing substances (European Inventory of Existing Chemical Substances).
NPK-P	Maximum permissible concentration in the working environment.
PEL	Permissible Exposure Limit.
DNEL	Derived level at which no adverse effects occur.
PNEC	An estimate of the concentration at which no adverse effects occur.

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Date of issue: 23. 03. 2023

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Product name: **MPT 312-6**

Sources of the most important data: Manufacturer's technical data.

H phrases not mentioned elsewhere: -

Instructions for training: not subject to the need for training by an authorised person, general training on chemicals and chemical preparations.