

Article number 170224

HAUPA GmbH & Co. KG

42853 Remscheid

Date printed 18.06.2021, Revision 12.10.2020

Version 06. Supersedes version: 05

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****HUPfastMetal Part B****Article number: 170224****1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Relevant uses**

Adhesive

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

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Address enquiries to**Technical information** sales@haupa.com**Safety Data Sheet** sdb@chemiebuero.de**1.4 Emergency telephone number****Advisory body** 08919240**Company** Giftnotruf München**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]**

Skin Irrit. 2: H315 Causes skin irritation.
 Eye Irrit. 2: H319 Causes serious eye irritation.
 Skin Sens. 1B: H317 May cause an allergic skin reaction.
 Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

Hazard pictograms**Signal word**

WARNING

Contains:

3-Aminopropyltriethoxysilane
 Mercaptan Polymer

Hazard statements

H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.
 H412 Harmful 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.
 P280 Wear protective gloves / protective clothing / eye protection / face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P333+P313 If skin irritation or rash occurs: Get medical advice / attention.
 P337+P313 If eye irritation persists: Get medical advice / attention.
 P501 Dispose of contents/container in accordance with local/national regulation.

UFI:

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2.3 Other hazards

Environmental hazards	Does not contain any PBT or vPvB substances.
Other hazards	none

SECTION 3: Composition / Information on ingredients**3.1 Substances**

not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
60 - 70	Mercaptan Polymer CAS: 72244-98-5, EINECS/ELINCS: 701-196-7, Reg-No.: 01-2120118957-46 GHS/CLP: Skin Sens. 1B: H317 - Aquatic Chronic 3: H412
20 - 25	Calcium carbonate CAS: 471-34-1, EINECS/ELINCS: 207-439-9
5 - 10	Benzyl alcohol CAS: 100-51-6, EINECS/ELINCS: 202-859-9, EU-INDEX: 603-057-00-5 GHS/CLP: Acute Tox. 4: H302 H332 - Eye Irrit. 2: H319
5 - 10	2,4,6-Tris(dimethylaminomethyl)phenol CAS: 90-72-2, EINECS/ELINCS: 202-013-9, EU-INDEX: 603-069-00-0 GHS/CLP: Acute Tox. 4: H302 - Eye Irrit. 2: H319 - Skin Irrit. 2: H315
0.5 - 2	3-Aminopropyltriethoxysilane CAS: 919-30-2, EINECS/ELINCS: 213-048-4, EU-INDEX: 612-108-00-0, Reg-No.: 01-2119480479-24 GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1B: H314 - Skin Sens. 1: H317 - Eye Dam. 1: H318

Comment on component parts	Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%. For full text of H-statements: see SECTION 16.
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SECTION 4: First aid measures**4.1 Description of first aid measures**

General information	Change soaked clothing.
Inhalation	Ensure supply of fresh air. In the event of symptoms seek medical treatment.
Skin contact	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice.
Ingestion	Get medical advice. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.

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 neededTreat symptomatically.
Forward this sheet to the doctor.

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SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.

Extinguishing media that must not be used Full water jet

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.

5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).
Dispose of absorbed material in accordance with the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No special measures necessary if used correctly.

Do not eat, drink, smoke or take drugs at work.
Wash hands before breaks and after work.
Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Do not store together with food.
Do not store together with oxidizing agents.
Do not store together with acids.
Keep container in a well-ventilated place.
Keep container tightly closed.
Keep in a cool place.

7.3 Specific end use(s)

See product use, SECTION 1.2

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SECTION 8: Exposure controls / personal protection**8.1 Control parameters****Ingredients with occupational exposure limits to be monitored (GB)**

Substance
Calcium carbonate
CAS: 471-34-1, EINECS/ELINCS: 207-439-9
Long-term exposure: 10 mg/m ³ , inhalable dust

DNEL

Substance
Mercaptan Polymer, CAS: 72244-98-5
Industrial, dermal, Long-term - systemic effects: 2.7 mg/kg bw/d (AF=90).
Industrial, inhalative, Long-term - systemic effects: 22 mg/m ³ (AF=6).
general population, inhalative, Long-term - systemic effects: 6.52 mg/m ³ (AF=10).
general population, oral, Long-term - systemic effects: 1.9 mg/kg bw/d (AF=40).
general population, dermal, Long-term - systemic effects: 1.61 mg/kg bw/d (AF=150).
3-Aminopropyltriethoxysilane, CAS: 919-30-2
Industrial, dermal, Long-term - systemic effects: 8.3 mg/kg bw/d (AF= 6).
Industrial, inhalative, Long-term - systemic effects: 59 mg/m ³ (AF= 6).
general population, dermal, Long-term - systemic effects: 5 mg/kg bw/d (AF= 10).
general population, inhalative, Long-term - systemic effects: 17.4 mg/m ³ (AF= 10).

PNEC

Substance
Mercaptan Polymer, CAS: 72244-98-5
soil, 23 µg/kg dw.
sediment (seawater), 32 µg/kg dw.
sediment (freshwater), 322 µg/kg dw.
sewage treatment plants (STP), 10 mg/L (AF=100).
seawater, 7 µg/L (AF=500).
freshwater, 70 µg/L (AF=50).
3-Aminopropyltriethoxysilane, CAS: 919-30-2
soil, 0,05 mg/kg dw.
sediment (seawater), 0,12 mg/kg dw.
sediment (freshwater), 1,2 mg/kg dw.
sewage treatment plants (STP), 13 mg/l (AF=1).
seawater, 0,033 mg/l (AF=10 000).
freshwater, 0,33 mg/l (AF=1000).

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8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. In full contact: 0,7 mm/ Butyl rubber, >480 min (EN 374-1/-2/-3). In splash contact: 0,7 mm/ butyl rubber, > 120 min (EN 374)
Skin protection	not applicable
Other	Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
Respiratory protection	Breathing apparatus in the event of aerosol or mist formation. Short term: filter apparatus, combination filter A-P1. (DIN EN 14387)
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	See SECTION 6+7.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form	pasty
Color	grey
Odor	characteristic
Odour threshold	No information available.
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	No information available.
Flash point [°C]	not applicable
Flammability (solid, gas) [°C]	No information available.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	No information available.
Density [g/ml]	1,35 - 1,45
Bulk density [kg/m³]	not applicable
Solubility in water	virtually insoluble
Partition coefficient [n-octanol/water]	No information available.
Viscosity	No information available.
Relative vapour density determined in air	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Autoignition temperature [°C]	No information available.
Decomposition temperature [°C]	> 150

9.2 Other information

No information available.

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SECTION 10: Stability and reactivity

10.1 Reactivity

See SECTION 10.3.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with amines.

Reactions with acids and strong oxidizing agents.

Reactions with alkalis (lyes).

10.4 Conditions to avoid

See SECTION 7.2.

Strong heating.

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

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SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

Substance
2,4,6-Tris(dimethylaminomethyl)phenol, CAS: 90-72-2
LD50, dermal, Rabbit: 1280 mg/kg (IUCLID).
LD50, oral, Rat: 1916-2455 mg/kg (IUCLID).
Calcium carbonate, CAS: 471-34-1
LD50, oral, Rat: 6450 mg/kg bw (IUCLID).
LC0, inhalative, Rat: 0,0812 mg/L (90 min) (IUCLID).
Mercaptan Polymer, CAS: 72244-98-5
LD50, dermal, Rabbit: > 10 200 mg/kg bw.
LD50, oral, Rat: 2600 mg/kg bw.
LC50, inhalative, Rat: > 0.1 mg/L (Air).
3-Aminopropyltriethoxysilane, CAS: 919-30-2
LD50, dermal, Rabbit: 4290 mg/kg bw.
LD50, oral, Rat (female): 1570 mg/kg bw.
LD50, oral, Rat (male): 2830 mg/kg bw.
LC50, inhalative, Rat (female): 16 ppm/6h (OECD 403).
LC50, inhalative, Rat (male): 5 ppm/6h (OECD 403).
Benzyl alcohol, CAS: 100-51-6
LD50, dermal, Rabbit: 2000 mg/kg.
LD50, oral, Rat: 1230 mg/kg.
LC50, inhalative, Rat: 4,178 mg/l /4h.

Serious eye damage/irritation	Toxicological data of complete product are not available. Irritant Calculation method
Skin corrosion/irritation	Toxicological data of complete product are not available. Irritant Calculation method
Respiratory or skin sensitisation	Toxicological data of complete product are not available. May cause an allergic skin reaction. Calculation method
Specific target organ toxicity — single exposure	Based on the available information, the classification criteria are not fulfilled.
Specific target organ toxicity — repeated exposure	Based on the available information, the classification criteria are not fulfilled.
Mutagenicity	Based on the available information, the classification criteria are not fulfilled.
Reproduction toxicity	Based on the available information, the classification criteria are not fulfilled.
Carcinogenicity	Based on the available information, the classification criteria are not fulfilled.
Aspiration hazard	Based on the available information, the classification criteria are not fulfilled.
General remarks	

Toxicological data of complete product are not available.
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists.

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SECTION 12: Ecological information**12.1 Toxicity**

Substance
Mercaptan Polymer, CAS: 72244-98-5
LC50, (96h), Danio rerio: 87 mg/L.
EC50, (48h), Daphnia magna: 12 mg/L.
EC50, (72h), Desmodesmus subspicatus: > 733 mg/L.
NOEC, (21d), Daphnia magna: 3.5 mg/L.
NOEC, (72h), Desmodesmus subspicatus: 388 mg/L.
3-Aminopropyltriethoxysilane, CAS: 919-30-2
LC50, (96h), Brachidanio rerio: > 934 mg/l.
EC50, (72h), Desmodesmus subspicatus: > 1000 mg/l.
EC50, (48h), Daphnia magna: 331 mg/l.
Benzyl alcohol, CAS: 100-51-6
LC50, (96h), Pimephales promelas: 460 mg/l.
EC50, (24h), Daphnia magna: 400 mg/l.
EC0, (96h), Scenedesmus quadricauda (alga): 640 mg/l.
EC10, (16h), Pseudomonas putida: 658 mg/l.

12.2 Persistence and degradability

Behaviour in environment compartments not determined

Behaviour in sewage plant not determined

Biological degradability

12.3 Bioaccumulative potential

Product has having no bioaccumulation potential.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required or not conducted.

12.6 Other adverse effects

Ecotoxicological data are not available.

Do not discharge product unmonitored into the environment.

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SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.

Waste no. (recommended)

080409*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)

150110* packaging containing residues of or contaminated by hazardous substances

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

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA 3334

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA Aviation regulated liquid, n.o.s. (Polymercaptan)

- Label

**14.3 Transport hazard class(es)**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA 9

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14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA III

14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

No information available.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

EEC-REGULATIONS 2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014

TRANSPORT-REGULATIONS ADR (2019); IMDG-Code (2019, 39. Amdt.); IATA-DGR (2020)

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits (Second edition, published December 2011).

- **Observe employment restrictions for people** Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.

- **VOC (2010/75/CE)** not applicable

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**16.1 Hazard statements (SECTION 3)**

H412 Harmful to aquatic life with long lasting effects.
 H302+H332 Harmful if swallowed or if inhaled.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H318 Causes serious eye damage.
 H317 May cause an allergic skin reaction.
 H314 Causes severe skin burns and eye damage.
 H302 Harmful if swallowed.

16.2 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 relatif au transport international des marchandises dangereuses par voie de navigation intérieure
 ATE = acute toxicity estimate
 CAS = Chemical 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
 EL50 = Median effective loading
 ELINCS = European List of Notified Chemical Substances
 EmS = Emergency Schedules
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 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
 LC0 = lethal concentration, 0%
 LOAEL = lowest-observed-adverse-effect level
 LL50 = Median lethal loading
 LQ = Limited Quantities
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships
 NOAEL = No Observed Adverse Effect Level
 NOEC = No Observed Effect Concentration
 PBT = Persistent, Bioaccumulative and Toxic substance
 PNEC = Predicted No-Effect Concentration
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
 STP = Sewage Treatment Plant
 TLV@/TWA = Threshold limit value – time-weighted average
 TLV@STEL = Threshold limit value – short-time exposure limit
 VOC = Volatile Organic Compounds
 vPvB = very Persistent and very Bioaccumulative

16.3 Other information**Customs Tariff**

35061000

Classification procedure

Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)
 Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)
 Skin Sens. 1B: H317 May cause an allergic skin reaction. (Calculation method)
 Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects. (Calculation method)

Modified position

SECTION 2 been added: Skin Sens. 1B
 SECTION 2 deleted: Skin Sens. 1
 SECTION 14 been added: Aviation regulated liquid, n.o.s. (Polymercaptan)
 SECTION 14 deleted: Triethylene Tetramine, solution
 SECTION 14 been added: not classified as "Dangerous Goods"
 SECTION 14 deleted: Triethylene Tetramine, solution
 SECTION 14 been added: no dangerous goods
 SECTION 14 deleted: Triethylenetetramine, solution

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