

MS-Sticker

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

1.1 - Product identifier

Trade name/designation MS-Sticker

Chemical name

Product-type Mixture

Product code 1

UFI: G200-003T-200U-URTF

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

Relevant identified uses	- Biocide
	- PT2
	- Item

1.3 - Details of the supplier of the safety data sheet

METALSKIN TECHNOLOGIES

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1.4 - Emergency telephone number

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Contains metal in massive form

The substances contained in this article are not dangerous under the presentation form

2.2 - Label elements

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

Signal word : None

Pictograms : None

Hazard statements : None

Precautionary statements

P102	Keep out of reach of children.
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EUH-phrases

EUH208	Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one (2634-33-5) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1), reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1) (55965-84-9) . May produce an allergic reaction
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EUH210	Safety data sheet available on request
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2.3 - Other hazards

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PBT-substance.

- The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

- Masse % in the product

Chemical name	No	%	Class(es)	Specific concentration limit
	CAS No. : 7440-50-8 Index No. : EC No. : 231-159-6	20 - 30	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Not applicable
Phosphore rouge	CAS No. : 7723-14-0 Index No. : 015-002-00-7 EC No. : 231-768-7 REACH No. : 01-2119489913--23	< 3	Aquatic Chronic 3 - H412 Flam. Sol. 1 - H228	Not applicable
1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one	CAS No. : 2634-33-5 Index No. : 613-088-00-6 EC No. : 220-120-9	< 0,009	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Eye Dam. 1 - H318 Skin Irrit. 2 - H315 Skin Sens. 1 - H317	Skin Sens. 1 - H317 : 0,05>=%<=100
reaction mass of: 5-chloro-2-methyl-4-isothiazoli n-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1), reaction mass of: 5-chloro-2-methyl-4-isothiazoli n-3-one [EC no. 247-500-7], and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)	CAS No. : 55965-84-9 Index No. : 613-167-00-5 EC No. :	< 0,0005	Acute Tox. 2 Dermal - H310 Acute Tox. 2 Inhalation - H330 Acute Tox. 3 Oral - H301 Aquatic Acute 1 - H400 Eye Dam. 1 - H318 Skin Corr. 1C - H314 Skin Sens. 1A - H317	Skin Irrit. 2 - H315 : 0,06>=%<0,6 Eye Dam. 1 - H318 : 0,6>=%<100 Eye Irrit. 2 - H319 : 0,06>=%<0,6 Skin Sens. 1A - H317 : 0,0015>=%<100 Skin Corr. 1C - H314 : 0,6>=%<=100 M-factor: 100 / 100

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- No special measures are necessary.

Following skin contact

- Wash immediately with: Water

After eye contact

- Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

- Seek medical advice immediately.
- Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.
- Rinse mouth thoroughly with water.
- Medical treatment necessary.
- When in doubt or if symptoms are observed, get medical advice.

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

Symptoms and effects - Following inhalation

- No information available.

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Symptoms and effects - Following skin contact - No information available.

Symptoms and effects - After eye contact - No information available.

Symptoms and effects - After ingestion - Improbable ingestion

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

- Treat symptomatically. Antidotal dispensation.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO₂)
- Foam
- Water spray

Unsuitable extinguishing media - Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - No information available.

Hazardous decomposition products

- Phosphorus oxides
- Carbon dioxide (CO₂)

5.3 - Advice for firefighters

- Do not allow run-off from fire-fighting to enter drains or water courses.
- Wear a self-contained breathing apparatus and chemical protective clothing.
- Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel - Remove all sources of ignition.

For emergency responders - No information available.

6.2 - Environmental precautions

- Avoid release to the environment.

6.3 - Methods and material for containment and cleaning up

Methods and material for cleaning up - Take up mechanically.

Inappropriate techniques - No information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

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7.1 - Precautions for safe handling

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| <u>Recommendation</u> | - When using do not smoke. |
| <u>Advices on general occupational hygiene</u> | - When using do not eat, drink, smoke, sniff.
- Wash hands before breaks and after work. |

7.2 - Conditions for safe storage, including any incompatibilities

- Do not store together with: Food and feedingstuffs
- Protect against: Heat

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

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|--|---|
| <u>Appropriate engineering controls</u> | - No information available. |
| <u>Individual protection measures, such as personal protective equipment</u> | - Tested protective gloves must be worn

- Suitable protective clothing: lab coat |



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|--|--|
| <u>Environmental exposure controls</u> | - Further information: see technical data sheet. |
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SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Solid	<u>Appearance</u>	Solid
<u>Colour</u>		<u>Odour</u>	characteristic
Odour threshold		No data available	
pH		not applicable	
Melting point		No data available	
Freezing point		No data available	
Boiling point		not applicable	
Flash point		not applicable	
Evaporation rate		not applicable	
flammability		not applicable	
Lower explosion limit		not applicable	
Upper explosion limit		not applicable	
Vapour pressure		not applicable	
Vapour density		not applicable	
Relative density		No data available	

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Density	No data available
Solubility (Water)	not soluble
Solubility (Ethanol)	not soluble
Solubility (Acetone)	Partly soluble
Solubility (Organic solvents)	practically insoluble
Log KOC	not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	not applicable
Dynamic viscosity	not applicable

Particle characteristics

Particle size	No data available
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9.2 - Other information

VOC content	< 1 %
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

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

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Heat

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- No information available.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available

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	LC50 inhalation (rat)	No data available
	LC50 inhalation dusts and mists (rat)	No data available
	LC50 inhalation vapours (rat)	No data available

- No information available.

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

- data lacking

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1), reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1) (55965-84-9)

LC50 96 hr fish	0,19 mg/l 96 h
ErC50 algae	0,018 mg/l 72 h

- Very toxic to aquatic life.

- Very toxic to aquatic life with long lasting effects.

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12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	not applicable

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

- The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 - Endocrine disrupting properties

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation.
<u>Sewage disposal</u>	- No information available.
<u>Community or national or regional provisions</u>	- No information available.

SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

Not applicable

14.3 - Transport hazard class(es)

Not applicable

14.4 - Packing group

Not applicable

14.5 - Environmental hazards

Not applicable

14.6 - Special precautions for user

Not applicable

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14.7 - Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content < 1 %

- Biocidal product
- Regulation (EU) No. 528/2012 on biocides
- Active substance PT2 Copper CAS 7440-50-92 external surface

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	25/01/2022		

Texts of the regulatory sentences

Acute Tox. 2 Dermal	Acute toxicity (dermal) - Category 2
Acute Tox. 2 Inhalation	Acute toxicity (inhalative) - Category 2
Acute Tox. 3 Dermal	Acute toxicity (dermal) - Category 3
Acute Tox. 3 Inhalation	Acute toxicity (inhalative) - Category 3
Acute Tox. 3 Oral	Acute toxicity (oral) - Category 3
Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Eye Dam. 1	Serious eye damage, Category 1
Flam. Sol. 1	Flammable solid. - Category 1
H301	Toxic if swallowed
H302	Harmful if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation

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H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H330	Fatal if inhaled
H331	Toxic if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Corr. 1C	Skin corrosion, Category 1C
Skin Irrit. 2	Irritation, Category 2
Skin Sens. 1	Skin sensitization - Category 1
Skin Sens. 1A	Skin sensitization - Category 1A

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