SAFETY DATA SHEET

This Safety Data Sheet complies with Regulation (EC) 1907/2006 of 18.12.2006 – REACH and 2020/878 of 18.06.2020.

Manhattan

Date of issue: 20.10.2022
Version EN: 1.0

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

1.1. Product identifier **Manhattan**

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified use: decorative coating
Uses advised against: not specified

1.3. Details of the supplier of the safety data sheet
Cameleo Leśniewicz Gradkowska Sp. J
ul. Sikorskiego 139
63-100 Psarskie
Tel. +48 61 28 35 899
E-mail address of the person responsible for the safety data sheet: office@cameleo.pl

1.4. Emergency telephone number +48 61 28 35 899 (8.00 – 16.00)
112 (general emergency number), 998 (fire service), 999 (medical emergency);

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to 1272/2008
The mixture is not classified as hazardous.

Human health hazards
None.
Environmental hazards
None.
Physical/chemical hazards
None.

2.2. Label elements
Pictograms:
None.
Signal word:
None.
Hazard statements:
None.
Precautionary statements:
None.

EUH208: Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210: Safety data sheet available on request.

2.3. Other hazards
Annex XIII to REACH – Criteria for the identification of persistent, bioaccumulative and toxic (PBT) substances and very persistent and very bioaccumulative (vPvB) substances – The mixture does not contain substances meeting the PBT or vPvB criteria.

Substances with endocrine-disrupting properties (according to the criteria of Commission Delegated Regulation (EU) 2017/2100 and Commission Regulation (EU) 2018/605) – not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable.

3.2. Mixtures
Hazardous ingredients:

Product identifier	Content [%]	Hazard class and category codes	Hazard statement codes and supplementary statements	- Specific concentration limits, - M-factor, - Acute Toxicity Estimate (ATE)
Zinc pyrithione CAS: 13463-41-7 EC: 236-671-3 Index No.: 613-333-00-7 REACH No.: -	<0.02	Repr. 1B Acute Tox. 2 Acute Tox. 3 STOT RE 1 Eye Dam. 1 Aquatic Acute 1 Aquatic Chronic 1	H360D H330 H301 H372 H318 H400 H410	Inhalation: ATE = 0.14 mg/l (dusts or mists) Oral: ATE = 221 mg/kg bw M = 1000 M = 10
1,2-benzisothiazol-3(2H)-one CAS: 2634-33-5 EC: 220-120-9 Index No.: 613-088-00-6 REACH No.: -	<0.05	Acute Tox. 4 Skin Irrit. 2 Eye Dam. 1 Skin Sens. 1 Aquatic Acute 1	H302 H315 H318 H317 H400	Skin Sens. 1; H317: C ≥ 0.05 %
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9 EC: - Index No.: 613-167-00-5 REACH No.: -	<0.0003	Acute Tox. 2 Acute Tox. 2 Acute Tox. 3 Skin Corr. 1C Eye Dam. 1 Skin Sens. 1A Aquatic Acute 1 Aquatic Chronic 1	H330 H310 H301 H314 H318 H317 H400 H410 EUH071	Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1 A; H317: C ≥ 0.0015 % M = 100 M = 100

Full text of H statements in section 16

SECTION 4: First aid measures

4.1. Description of first aid measures
In case of skin contact:
Remove contaminated clothing. Wash affected skin with soap and water. Consult a doctor if skin irritation occurs.
In case of eye contact:
Rinse eyes with plenty of water for at least 15 min, holding eyelids wide open. Remove contact lenses, if present. Avoid a strong jet of water because of the risk of corneal damage.
Inhalation exposure:
Move the affected person to fresh air.
If swallowed:
Do not induce vomiting. Rinse mouth with water. Seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed
Allergic reactions may occur following skin contact.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: dry extinguishing powders, carbon dioxide, foam, water mist. Use firefighting methods appropriate to the surrounding conditions.
Unsuitable extinguishing media: a strong jet of water.

5.2. Special hazards arising from the substance or mixture
Combustion releases fumes hazardous to health – carbon oxides.

5.3. Advice for firefighters
Cool containers in the fire area with water spray and, if possible, remove them from the danger zone.
In the event of a fire in an enclosed area, wear protective clothing and a compressed-air breathing apparatus.
Do not allow firefighting water to enter surface water, groundwater or drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel: notify the appropriate services of the incident. Remove people not involved in dealing with the incident from the danger area.
For emergency responders: ensure adequate ventilation and use personal protective equipment.

6.2. Environmental precautions
Prevent spreading and entry into drains and bodies of water.

6.3. Methods and material for containment and cleaning up
Contain and remove the spill using non-combustible, inert adsorbent material. Place contaminated material in appropriately labelled containers for disposal in accordance with applicable regulations.

6.4. Reference to other sections
Disposal of product waste – see section 13 of this sheet.
Personal protective equipment – see section 8 of this sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with eyes and skin. Ensure adequate room ventilation.
Follow good occupational hygiene and safety practices: do not eat, drink or smoke in the workplace; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well-ventilated room.
Keep in closed, correctly labelled original packaging.
Protect from freezing.

7.3. Specific end use(s)
Uses as specified in section 1.2. – no additional recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Occupational exposure limits according to the Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on maximum permissible concentrations and intensities of agents harmful to health in the working environment (Journal of Laws, item 1286, as amended).

Ingredients with established exposure limits: none

8.2. Exposure controls
Appropriate engineering controls:
General room ventilation is recommended.

Observe basic occupational health and safety rules.
Wash hands during breaks and after working with the product.
Do not eat, drink or smoke when working with the product.
Remove contaminated clothing and wash before reuse.

Individual protection measures, such as personal protective equipment:
Select personal protective equipment appropriate to workplace hazards, taking into account Regulation (EU) 2016/425 of the European Parliament and of the Council and the relevant CEN standards.

Eye/face protection:

Wear safety goggles or a face shield (complying with EN 166).

Skin protection:
Hand protection:

Wear chemical-resistant protective gloves complying with EN374.
Glove material:
The choice of suitable gloves depends not only on the material, but also on the brand and quality, which vary between manufacturers. The resistance of the glove material can be established through testing. The exact glove breakthrough time must be determined by the manufacturer.

Other:

Wear work clothing.

Respiratory protection:
No special requirements with adequate ventilation.

Thermal hazards:
Not applicable.
Environmental exposure controls
Emissions from ventilation systems and process equipment should be checked to determine compliance with environmental protection legislation.
Observe basic rules for the use of machinery and equipment.
Prevent release to the environment and entry into drains and watercourses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a)	Physical state	Liquid (paste)
b)	Colour	White
c)	Odour	Odourless
d)	Melting point/freezing point (not applicable to gases)	No data
e)	Boiling point or initial boiling point and boiling range	No data
f)	Flammability (applies to gases, liquids and solids)	Non-flammable
g)	Lower and upper explosion limit (not applicable to solids)	No data
h)	Flash point (not applicable to gases, aerosols and solids)	No data
i)	Auto-ignition temperature (applies only to gases and liquids)	No data
j)	Decomposition temperature (applies only to self-reactive substances and mixtures, organic peroxides and other substances and mixtures that may decompose)	Not applicable
k)	pH (not applicable to gases)	Approx. 8
l)	Kinematic viscosity (applies only to liquids)	No data
m)	Solubility	Miscible with water
n)	Partition coefficient n-octanol/water (log value)	Not applicable – mixture
o)	Vapour pressure	No data
p)	Density and/or relative density (applies only to liquids and solids)	Approx. 1.1 – 1.2 g/cm³
q)	Relative vapour density (applies only to gases and liquids)	No data
r)	Particle characteristics	Not applicable

(applies only to solids)

9.2. Other information
None.

SECTION 10: Stability and reactivity

10.1. Reactivity
The product is not reactive.
10.2. Chemical stability
The product is stable under normal conditions of use, storage and transport.
10.3. Possibility of hazardous reactions
None.
10.4. Conditions to avoid
Avoid heating, sources of ignition and sunlight.
10.5. Incompatible materials
Strong oxidising agents. Strong acids. Strong alkalis.
10.6. Hazardous decomposition products
No decomposition under the recommended conditions of use and storage.

SECTION 11: Toxicological information

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

a)	Acute toxicity	Based on available data, the classification criteria are not met.
b)	Skin corrosion/irritation	Based on available data, the classification criteria are not met.
c)	Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
d)	Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
e)	Germ cell mutagenicity	Based on available data, the classification criteria are not met.
f)	Carcinogenicity	Based on available data, the classification criteria are not met.
g)	Reproductive toxicity	Based on available data, the classification criteria are not met.
h)	Specific target organ toxicity – single exposure	Based on available data, the classification criteria are not met.
i)	Specific target organ toxicity – repeated exposure	Based on available data, the classification criteria are not met.
j)	Aspiration hazard	Based on available data, the classification criteria are not met.

11.2. Information on other hazards
Endocrine-disrupting properties
None.

SECTION 12: Ecological information

12.1. Toxicity
The mixture is not classified as hazardous to the environment.

12.2. Persistence and degradability
No information available.

12.3. Bioaccumulative potential
No information available.

12.4. Mobility in soil
No information available.

12.5. Results of PBT and vPvB assessment
The product does not contain PBT or vPvB substances.

12.6. Endocrine-disrupting properties
The mixture does not contain substances with endocrine-disrupting properties.

12.7. Other adverse effects
No data.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Keep residues in the original containers. Dispose of in accordance with applicable regulations.
Empty, drained packaging must be disposed of or recycled in accordance with applicable regulations.

Waste codes according to the Regulation of the Minister of Climate of 2 January 2020 on the catalogue of waste (Journal of Laws, item 10).

Community waste legislation:
DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives, as amended.

SECTION 14: Transport information

ADR/RID/IMDG/IATA:
14.1. UN number or ID number
Not applicable; the product is not classified as dangerous for transport.

14.2. UN proper shipping name
Not applicable; the product is not classified as dangerous for transport.

14.3. Transport hazard class(es)
Not applicable; the product is not classified as dangerous for transport.

14.4. Packing group
Not applicable; the product is not classified as dangerous for transport.

14.5. Environmental hazards
Not applicable; the product is not classified as dangerous for transport.

14.6. Special precautions for user

Not applicable; the product is not classified as dangerous for transport.

14.7. Maritime transport in bulk according to IMO instruments
Not applicable; the product is not classified as dangerous for transport.

SECTION 15: Regulatory information

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

1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), as amended.
2. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
3. Regulation No 1272/2008 of the European Parliament and of the Council of 16 December 2008 (CLP), as amended.
4. Act of 25 February 2011 on chemical substances and their mixtures (consolidated text: Journal of Laws 2020, item 2289; 2021, item 2151).
5. Act of 28 May 2020 amending the Act on chemical substances and their mixtures and certain other acts (Journal of Laws 2020, item 1337).
6. Act of 14 December 2012 on waste (consolidated text: Journal of Laws 2022, items 699, 1250).
7. Act of 13 June 2013 on packaging and packaging waste management (consolidated text: Journal of Laws 2020, items 1114, 2361; 2021, item 2151).
8. Regulation of the Minister of Climate of 2 January 2020 on the catalogue of waste (Journal of Laws 2020, item 10).
9. Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.
10. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives, as amended.
11. Announcement of the Marshal of the Sejm of the Republic of Poland of 19 March 2021 publishing the consolidated text of the Act on the transport of dangerous goods (Journal of Laws 2021, item 756).
12. ADR Agreement 2021 - Government Statement of 15 February 2021 on the entry into force of amendments to Annexes A and B to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), done at Geneva on 30 September 1957 (Journal of Laws 2021, item 874).
13. Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on maximum permissible concentrations and intensities of agents harmful to health in the working environment (Journal of Laws, item 1286, as amended).
14. Regulation of the Minister of Health of 30 December 2004 on occupational health and safety related to the presence of chemical agents in the workplace (consolidated text: Journal of Laws 2016, item 1488).
15. Regulation of the Minister of the Environment of 9 December 2003 on substances posing a particular hazard to the environment (Journal of Laws No 217, item 2141).

15.2. Chemical safety assessment
No chemical safety assessment has been carried out for the mixture.

Annex XIV to REACH – List of substances subject to authorisation: not applicable

SVHC substances - Candidate List of substances of very high concern for authorisation: not applicable

Annex XVII to REACH – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: not applicable

SECTION 16: Other information

H statements:
H301 – Toxic if swallowed.
H302 – Harmful if swallowed.
H310 – Fatal 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.
H330 – Fatal if inhaled.
H360D – May damage the unborn child.
H372 – Causes damage to organs through prolonged or repeated exposure.
H400 – Very toxic to aquatic life.
H410 – Very toxic to aquatic life with long lasting effects.
EUH071 – Corrosive to the respiratory tract.

Description of abbreviations, acronyms and symbols used:

Acute Tox. 2 – Acute toxicity, category 2
Acute Tox. 3 – Acute toxicity, category 3
Acute Tox. 4 – Acute toxicity, category 4
Repr. 1B – Reproductive toxicity, category 1B
Skin Corr. 1C – Skin corrosion, category 1C
Skin Irrit. 2 – Skin irritation, category 2
Skin Sens. 1A – Skin sensitisation, category 1A
Skin Sens. 1 – Skin sensitisation, category 1
Eye Dam. 1 – Serious eye damage, category 1
Eye Irrit. 2 – Eye irritation, category 2
STOT RE 1 – Specific target organ toxicity – repeated exposure, STOT category 1
Aquatic Acute 1 – Hazardous to the aquatic environment, category 1
Aquatic Chronic 1 – Hazardous to the aquatic environment, category 1
ATE – Acute toxicity estimate
PBT – Persistent, bioaccumulative and toxic substances
vPvB – Very persistent and very bioaccumulative
ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road
RID – Regulations concerning the International Carriage of Dangerous Goods by Rail
IMDG – International Maritime Dangerous Goods Code
IATA – Dangerous Goods Regulations issued by the International Air Transport Association

Basis for classification:
The mixture is not classified as hazardous.

Training:
Not required.

SOURCE MATERIALS

Annex to Regulation (EU) 2020/878 of 18 June 2020.
Legislation cited in section 15 of this sheet.
Information from the Bureau for Chemical Substances.

The information in this Safety Data Sheet relates exclusively to the product specified in the title. The data in this sheet should be treated solely as guidance for safe use of the product. As storage, transport and application conditions are beyond our control, they cannot constitute a guarantee in the legal sense. Statutory provisions and any third-party rights must be observed in all cases. This sheet does not constitute a workplace risk assessment. The product must not be used for purposes other than those specified in section 1 without prior consultation with the manufacturer.

Prepared by SPIN-DORADZTWO