Safety data sheet - H3505

In accordance with directive EU 1907/2006 & 2105/830

Version 3.1 Revision Date 31.03.2023

1. Identification of the substance/mixture and of the company/undertaking

1.1 product identifier

Trade name : H3505

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

Use of the substance/mixture : Binding agent/ adhesive

1.3 details of the supplier of the safety data sheet

Company : Heskins Limited
Churchill Road Ind Est
Brinscall, Chorley
PR6 8RQ
United Kingdom

Telephone : +44 (0) 1254832266

E-mail address : mail@heskins.com

Responsibility/issuing person Regulating Affairs Department

1.4 Emergency telephone number

+44 (0) 1254832266

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Additional Labelling

H3505 Safety data sheet available on request

H3505 Contains 1,2- benzisothiazol-3(2H)- one, reaction mass of 5-chloro-2methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

2.3 Other Hazards

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent.

3. Composition/information on ingredients

3.2 Mixtures

Components	CAS-No.
	EC-No. Index-No.
	Registration number
	2634-33-5 220-120-9 613-088-00-6 01-2120761540-60

Chemical name

1,2-benzisothiazol-3(2H)-one **classification**: Acute Tox. 4; H302

Skin Irrit. 2; H315

Eye Dam. 1; H318

Skin Sens. 1; H317

Aquatic Acute 1; H400

Aquatic Chronic 2; H411

Concentration (%w/w): >= 0.025 - <0.05

reaction mass of 5- chloro-2-methyl-2H - isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

classification: Acute Tox. 3; H301
Acute Tox. 2; H330
Acute Tox. 2; H310
Skin Corr. 1C; H314
Eye Dam. 1; H318
Skin Sens. 1A; H317
Aquatic Acute 1; H400
Aquatic Chronic 1; H410

Concentration: >= 0.0002-<0.0015

For explanation of abbreviations see section 16.

4. First aid measures

4.1 description of first aid measures

Genderal advice

Do not leave victim unattended

Inhalation

If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician

Ingestion

Keep respiratory track clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

Skin contact

In case of contact, immediately flush skin with soap and plenty of water. Call a physician if irritation develops or persists.

Eye contact

Remove any contact lenses and protect unharmed eye. If eye irritation persists, consult a specialist

4.2 Most important symptoms and effects, both acute and delayed

None known

4.3 indication of any immediate medical attention and special treatment needed

Treatment: treat symtomatically

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Carbon Dioxide (CO2)

Dry powder

Water spray jet

Use extinguishing measures that are appropriate to

Local circumstances and the surrounding environment

5.2 special hazards arising from the substance or mixture

Hazardous combustion products : no hazardous combustion products are know

5.3 Advice for firefighters

Special protective equipment	: wear self-contained breathing apparatus for firefighting if necessary
Further information	: standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and surrounding environment

6. Accidental release measures

6.1 personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment

6.2 Environment precautions

Environmental precautions : if the product contaminates rivers or lakes or drains, inform respective authorities

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : wipe up with absorbant materials (e.g clothes, fleece) keep in suitable, closed containers for disposal

6.4 Reference to other sections

See section 7,8,11,12 and 13

7. Precautions for safe handling

Advice on safe handeling

For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion

Normal measures for preventive fire protection

Hygiene measures

General industrial hygiene practice.

7.2 conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Electrical installations/ working materials must comply with the technological safety standards.

Advice on common storage

No materials to be especially mentioned

Further information on storage stability

No decomposition if stored and applied as directed.

7.3 Specific end use(s)

No data available.

8. Exposure controls/ personal protection

8.1 control parameters

Contains no substances with occupational exposure limit values

8.2 exposure controls

Protective equipment

Skin and body protection

Protective suit

Protective measures

Personal protective equipment comprising, suitable protective gloves, safety goggles and Protective clothing

Respiratory protection

No personal respiratory protective equipment normally required.

9. Physical and chemical properties

9.1 information on basic physical and chemical properties

Appearance	: liquid
Colour	: off-white
Odour	: characteristic
pH	: 3.0 – 5.0
melting point/range	: Ca, 0 ºC
boiling point/range	: Ca. 100 ºC
flash point	: does not flash
upper explosion/ flammability limit	: not determined
lower explosion/flammability limit	: not determined
vapour pressure	: 23hPa (20ºC)
relative vapour density	: not determined
density	: 1.0 – 1.1 g/cm3 (20ºC) method: ISO 2911-1
solubility	: completely miscible
patrician coefficient:n-octanol/ water	: not available
auto-ignition temperature	: not determined

viscosity : 900-1300 cps/20@ 20ºC

9.2 other information

Solid content (%) Approx. 60%

Flammability (liquids) Does not sustain combustion

10. stability and reactivity

10.1 reactivity

No decomposition if stored and applied as directed.

10.2 chemical stability

No decomposition if stored and applied as directed.

10.3 possibility of hazardous reactions

Stable under recommended storage conditions. No hazards to be specially mentioned.

10.4 conditions to avoid

No data available

10.5 incompatible materials

Not applicable

10.6 hazardous decomposition products

No data available

11. Toxicological information

11.1 information on toxicological effects

Acute toxity

Not classified based on available information.

Components:

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

Acute oral toxicity : LD50 Oral (Rat); 490 mg/kg

Acute inhalation toxicity : Remarks; No data available

Acute dermal toxicity : LD50 Dermal (Rat) ; > 2000 mg/kg

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):

Acute oral toxicity : LD50 Oral (Rat); 64 mg/kg

Acute inhalation toxicity : LC50 (Rat) ; 0.17 mg/L

Exposure time; 4 h

Test atmosphere; dust/mist

Acute dermal toxicity : LD50 Dermal (Rat) ; > 2000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information

Further information

Product remarks: No Data

12. Ecological information

12.1 toxicity

Components:

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

Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout): 2.18mg/L Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates EC50 (daphnia magna (water flea)): 2.94mh/L Exposure time: 48 h

Toxicity to algae/ aquatic plants ErC50 (Pseudokirchneriella subcapitata (green algae)): 0.11mh/L Exposure time: 72h. NOEC (Skeletonema costatum (marine diatom)): 0.027 mg/L. Exposure time: 72 h

M-Factor (Acute aquatic toxicity): 1

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):

Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)): 0.22 mg/L Exposure time: 96

Toxicity to daphnia and other aquatic invertebrates EC50 (Daphnia magna (Water flea)): 0.1 mg/L Exposure time: 48 h

Toxicity to algae/ aquatic plants EC50 (Pseudokirchneriella subcapitata (green algae)): 0.048 mg/L Exposure time:72h. NOEC (Skeletonema costatum (marine diatom)): 0.0012mg/L. Exposure time: 72 h. Method OECD Test Guideline 201

M-Factor (Acute aquatic toxicity): 100

Toxicity to microorganism EC10**:** 7.92 mg/L Exposure time@ 3 h. Method OECD Test Guideline 209

Toxicity to fish (Chronic toxicity): NOEC: 0.098 mg/L Exposure time: 28d. Species: Oncorhynchus mykiss (rainbow trout). Method OECD Test Guideline 210

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC: 0.004 mg/L. Species:Daphnia magna (Water flea). Method OECD Test Guideline 211

M-Factor (Chronic aquatic toxicity): 100

12.2 persistence and degradability

Components:

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

Biodegradability : result : readily biodegradable

12.3 bioaccumulate potential

Components:

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

Partition coefficient: n octanol/ water: result: log pow: 0.7 (20ºC)

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):

partition coefficient: noctonal/water: result: log pow: -0.71 – 0.75. method OEDC test guidelines 107

12.4 mobility in soil

No data available

12.5 result of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persisten.

12.6 other adverse effects

Products: Endocrine disrupting potential: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Additional ecological information: No data available

13. Disposal considerations

13.1 waste treatment methods

Product: Do not dispose of with domestic refuse. Dispose of in accordance with local regulations.

Contaminated packaging: packaging that is not properly emptied must be disposed of the unused product. Empty cointainers should be taken to an approved waste handling site for recycling or disposal.

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

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

Not applicable

14.7 Transport in bulk according to annex II of MARPOL 73/78 and the IBC code

Not applicable

15. Regulatory information

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

REACH- Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (A) : not applicable

REACH- candidate list of substances of very high concern for authorisation (article 59): not applicable

REACH- list of substances subject to authorisation (annex XIV): not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer: not applicable.

Regulation (EC) No 2019/1021 on persistent organic pollutant (recast): not applicable.

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals: not applicable.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving da : Not applicable

15.2 chemical safety assessment

Not applicable

16. other information

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Revision 3.1

Hazard statement in full

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

H330 fatal if inhaled

H400 very toxic to aquatic life

H410 very toxic to aquatic life with long lasting effects

H411 toxic to aquatic life with long lasting effects

Full text of other abbreviations

Acute Tox – Acute toxicity

Aquatic Acute – Short term (acute)

aquatic hazard

Aquatic Chronic – Long term (chronic) aquatic hazard

Eye Dam – Serious eye damage

Skin Corr- Skin corrosion

Skin Irrit – Skin irritation

Skin Sens – Skin sensitisation

This information must be passed onto any employee, customers, agents and contractors involved with the handling of this product. The information is based on current knowledge and is intended to describe the safety requirements of this product. It is not a guarantee of specific properties. The data only applies if the product is used as intended. The product should not be used for purposes other than intended without seeking advice from the manufacturer.