

Safety Data Sheet

Acc. to regulation (EC) no. 1907/2006

487 05-3

No. of article

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Lumocolor correctable 305 refill station, blue

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

Relevant applications identified:

Ink(s) for writing, drawing and marking

Applications which are not advised:

None known

1.3 Details of the supplier of the safety data sheet

STAEDTLER MARS GmbH & Co. KG
Moosaeckerstrasse 3
90427 Nuremberg
GERMANY

Telephone: +49-(0)911-9365-0
e-mail adress: info@staedtler.com

Responsible for the Safety Data Sheet:

Andreas Schaefer, Central Department Product Safety
e-mail adress: sdb@staedtler.com

1.4. Emergency telephone number: +49-(0)911-9365-731 Only during office hours: Mo - Fr, 8:30 am - 5:00 pm

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This product is not dangerous within the meaning of Regulation (EC) No 1272/2008

Classification according to Regulation (EC) No 1272/2008:

G0B100 Not subject to mandatory labelling

2.2 Label elements

Label elements according to Regulation (EC) No. 1272/2008 (CLP)

This product is not dangerous within the meaning of Regulation (EC) No 1272/2008

Classification according to Regulation (EC) No 1272/2008:

G0B100 Not subject to mandatory labelling

Signal word:

no signalword

Hazard determining component(s) for labelling:

Not applicable

Hazard pictograms:

—

Hazard statements:

EUH208 Contains mixture of 5-chloro-2-methyl-2h-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

Precautionary statements:

P0 no P phrases

2.3. Other hazards

No further information available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

This product is a mixture pursuant to Regulation (EC) 1272/2008

3.2. Mixtures

General chemical characterisation:

Aqueous plastic dispersion(s) with pigments

Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No. 1272/2008

| Name of Substance | | |
|---|--|----------------------|
| CAS-No. | EC-No. | REACH-No. |
| Symbol of Danger | | Wt.-% |
| Hazard class | H-Phrase | |
| 1,2-benzisothiazol-3(2H)-one | | |
| 2634-33-5 | 220-120-9 | |
| | | < 0,05 |
| Acute Tox. 4, Skin Irrit. 2, Skin. Sens. 1, Eye Dam. 1, Aquatic Acute 1, Aquatic Chron. 2 | 302, 315, 317, 318, 400, 411 | |
| Gemisch aus 5-Chlor-2-methyl-2H-isothiazol-3-on (CIT) und 2-Methyl-2H-isothiazol-3-on (MIT) im Verhältnis 3:1 | | |
| 55965-84-9 | - | 01-2120764691-48 |
| | | > 0,00015 - < 0,0015 |
| Acute Tox. 3, Acute Tox. 2, Skin Corr. 1C, Skin. Sens. 1A, Eye Dam. 1, Aquatic Acute 1, Aquatic Chron. 1 | 301, 310, 330, 314, 317, 318, 400 (M=100), 410 (M=100), EUH071 | |
| Polyether modified siloxane | | |
| - | - | |
| | | < 2 |
| Acute Tox. 4, Aquatic Chron. 2 | 302, 411 | |

Full text of H phrases see heading 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

After contact with eyes: Rinse with water and seek medical care.

After inhalation: Fresh air supply, seek medical attention if symptoms persist.

After contact with skin: Rinse with water and soap.

If swallowed: Rinse mouth with water and seek medical care.

4.2 Most important symptoms and effects, both acute and delayed

No further information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Powder, carbon dioxide, water spray, foam with surrounding fires
Unsuitable extinguishing media: Water with full spray

5.2 Special hazards arising from the substance or mixture

No further information available.

5.3 Advice for firefighters

No further information available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Keep unprotected persons away.

6.2 Environmental precautions

Do not allow to enter sewers / surface water or groundwater.
Do not allow to enter subsoil / soil.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to Point 13.

6.4 Reference to other sections

See section 7 for information on safe handling.
See section 8 for information on protective equipment.
See section 13 for information on disposal.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wash hands before breaks and at the end of the working day.
Avoid contact with eyes
Keep out of reach of children.
Keep container tightly closed.
Do not eat, drink or smoke when using this product.

Advice on fire and explosion prevention:

No risks from chemical influences known with use of these products according to the provisions.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Keep container tightly closed. Protect from frost and extreme heat.
Keep only in original container.
Store in a well-ventilated place.

Information on storage with other products:

No further relevant information available.

Further information on the storage conditions:

Keep container closed tightly in a cool, well-ventilated location.

Storage class:

Not applicable

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1. Limit values for exposure in the workplace and/or biological limit values workplace limit values (AGW) Germany

| Name of Substance | | | CAS-No. |
|--|-------|------|------------|
| Kind of TLV | Value | Year | Country |
| Gemisch aus 5-Chlor-2-methyl-2H-isothiazol-3-on (C | | | 55965-84-9 |
| | | | |

8.1.2.DNEL- and PNEC- values

No DNEL and PNEC values are available.

8.1.3. Control-Banding (e.g. ILO, EMKG)

No data on COSHH essentials or the EMKG model from the BAuA is available.

8.2. Exposure controls

8.2.1. Suitable technical control elements

No further relevant information available.

8.2.2. Individual protective measures – personal protective equipment

General safety and hygiene measures:

Keep away from drinks, food and feedingstuffs.
Wash hands before breaks and at the end of the working day.

Breathing protection:

Respiratory protection not necessary with proper ventilation.

Hand protection:

The selection of a suitable glove is not only dependent on the material, but also on other quality properties and from manufacturer to manufacturer.

Eye protection:

Wear eye protection.

Body protection:

No protective clothing is necessary for use according to the provisions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | | | |
|----------------------------|------------------|-------------------|------|
| Physical state: | liquid | | |
| Colour: | blue | | |
| Odour: | nearly odourless | | |
| Boiling range: | >= 100 | °C | |
| Melting range: | | | n.d. |
| Relative density: | 1,0 - 1,1 | g/cm ³ | |
| Vapour pressure: | <= 23 | hPa | |
| Viscosity at 20° C: | 3,66 | mPa s | |
| pH: | 7,8 | | |
| Flash point: | | | n.a. |
| Auto-ignition temperature: | | | n.a. |
| Explosion limit, lower: | | | n.a. |
| Explosion limit, upper: | | | n.a. |

Water solubility: miscible

9.2 Other information

Explosion limits, vapour pressure and the auto-ignition temperature refer to the solvents contained.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No further information available.

10.2. Chemical stability

Thermal decomposition: Not expected with the specified use.

10.3. Possibility of dangerous reactions

No further information available.

10.4. Conditions to avoid

No further information available.

10.5. Incompatible materials

No further information available.

10.6. Hazardous decomposition products

Hazardous decomposition products: Carbon monoxide, carbon dioxide in the event of fire

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on the hazard classes within the meaning of Regulation (EC) No. 1272/2008

Primary irritant effect on the skin:

- No irritant effect on the skin known.

Primary irritant effect in the eyes:

- Causes eye irritation.

Sensitization:

- Sensitisation is possible.

Additional toxicological advice:

No further information available.

Inhalation:

- Inhalation of the vapour can cause irritation of the airways.

Ingestion:

- Ingestion may cause irritation

11.2. Information on other hazards

No further information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity:

No measurement data is available

12.2. Persistence and degradability

No measurement data is available

12.3. Bioaccumulative potential

No measurement data is available

12.4. Mobility in soil

Do not allow to enter sewers / surface water / groundwater.

Do not allow to enter subsoil / soil.

12.5. Results of PBT and vPvB assessment

- PBT: Not applicable
- vPvB: Not applicable.

12.6. Endocrine disrupting properties

No further information available.

12.7. Other harmful properties

No further information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The advice below relates to the product and not to any further processed products. Mixing with other products can require other disposal procedures; in case of doubt, contact the supplier of the product or the local authorities.

Disposal recommendation

Must not be disposed of together with house waste. Do not allow to enter sewers.
Taking into account the provisions of the local authorities, conduct special waste handling operations.

Waste code number:

Since 1.1.1999, waste code numbers are not only related to the product, but generally related to the application. The valid waste code number for the application can be found in the European waste catalogue.

Recommended waste code number:

Recommended waste code: 08 01 12 Waste paint and varnish other than those mentioned in 08 01 11.

Uncleaned packaging:

Disposal according to the official legislation.

Recommendation for empty containers

Other containers: completely empty and clean before reconditioning or recycling.

SECTION 14: TRANSPORT INFORMATION

14.1. UN-number or ID-number

-

14.2. UN proper shipping name

ADR/RID

No hazardous goods

IMDG-Code / ICAO-TI / IATA-DGR

No hazardous goods

14.3 Transport hazard class(es)

-

14.4. Packaging group

-

Hazard inducers

14.5. Environmental hazards

Label environmentally hazardous substances

No hazardous goods

14.6 Special precautions for user

No further information available.

14.7. Bulk transport by sea according to IMO instruments

No hazardous goods

Transport/ further information

No further information available.

UN "Model Regulation"

No hazardous goods

SECTION 15: REGULATORY INFORMATION

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

National provisions:

Water hazard class: 3 - Highly water-polluting (self-classification)

EU- provisions:

REACH (EC) 1907/2006: The main components are preregistered, released or otherwise in conformity.

15.2. Chemical Safety Assessment

No substance safety assessment was conducted.

SECTION 16: OTHER INFORMATION

Amendments in this safety data sheet

Section 15: Water hazard class

Abbreviations

n.a = not applicable

n.d.: not determined

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

LEV: Local Exhaust Ventilation

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

As provided for in Regulation (EC) No 1272/2008:

Wording of the H phrases in Point 3:

| | |
|--------------|--|
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H301 | Toxic if swallowed. |
| H310 | Fatal in contact with skin. |
| H330 | Fatal if inhaled. |
| H314 | Causes severe skin burns and eye damage. |
| H400 (M=100) | Very toxic to aquatic life. |

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H410 (M=100)
EUH071

Very toxic to aquatic life with long lasting effects.
Corrosive to the respiratory tract.

Training for employees

Instructions on hazards and protective measures based on the operating instructions (TRGS 555). Instructions must take place at the start of employment and then at least once every year.

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties. These products should be stored, handled, and used in conformity with any legal regulation. The information provided above is for general guidance only without responsibility, liability, and warranty on our part and is subject to change without notice.