

Safety Data Sheet

In accordance with Regulation (EU) no. 453/2010 and Regulation (EC) no. 1272/2008
(All references to EU regulations and directives are abbreviated into only the numeric term)

Publication date: 1.2017
Revision date: 10.2023
Version: 2.0

Mulcol® Multisealant GR

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

1.1. Product identifier

Trade name Mulcol Multisealant GR
Fire stopping Intumescent Graphite

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Sealant used in passive fire protection

1.3. Details of the supplier of the safety data sheet

Company Mulcol International
PO box 93
4330 AB Middelburg
The Netherlands
Telephone +31 (0)118-726140
E-mail info@mulcol.com
Website www.mulcol.com

1.4. Emergency telephone number

In case of emergency contact toxicological information, emergency tel 112.
For non-emergency poison information, see <http://www.who.int/ipcs/poisons/centre/directory/euro/en/>

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification in accordance with 1272/2008

Upon assessment, this mixture is not classified as hazardous according to 1272/2008.

Classification in accordance with 1999/45/EG

This product is assessed and not classified as hazardous.

2.2. Label elements

Label information in accordance with 1272/2008

EUH 208: Contains reaction mass (3:1) of 5-chloro-2-methyl-2H-isothiazole-3-one and 2-methyl-2H-isothiazole-3-one(55965-84-9), 1,2-benzisothiazole-3(2H)-one; 1,2- benzisothiazoline-3-one(2634-33-5). May cause allergic reaction.

EUH 210: Safety data sheet available on request.

Label information in accordance with 1999/45/EG

See section 16.

2.3. Other hazards

Not relevant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not relevant.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Upon breathing in Allow the injured person to rest in a warm place with fresh air, if symptoms persist seek medical advice.

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Upon contact with the eyes	As a precaution, rinse the eye thoroughly with water; If symptoms occur, call a doctor/physician.
Upon skin contact	Normal washing of the skin is considered sufficient; If nevertheless symptoms do occur, contact a physician. Remove contaminated clothes.
Upon ingestion	Flush nose, mouth and throat with water. Upon ingestion of larger amounts, consult a doctor/physician.

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

Information on symptoms are ambiguous or missing for this product.

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

Symptomatic treatment.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Recommended extinguishing agents

Extinguish with water mist, powder, carbon dioxide or alcohol resistant foam.

Unsuitable extinguishing agents

May not be extinguished with water dispersed under high pressure.

5.2. Special hazards arising from the substance or mixture

Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning, and, in case of incomplete combustion, aldehydes and other toxic, harmful, irritant or environmentally harmful substances.

The product is not hazardous in the flammable sense. The product does not oxidise.

5.3. Advice for fire-fighters

In case of fire use a respirator mask.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use suitable allergy-tested protective gloves when cleaning up. Dust filter IIb (P2) may be required when cleaning up.

In case of spillage in protected water, call the emergency services immediately, tel. 112 (in Europe). Do not inhale the product and avoid exposure to skin and eyes.

6.2. Environmental precautions

At amounts considered in this case, the product may be released into the natural environment without serious environmental consequences. Large emissions should however be reported to the emergency services and the Environment Agency.

6.3. Methods and material for containment and cleaning up

Adsorb the liquid with an inert adsorbent, Vermiculite, for example. Collect the material for disposal at a waste disposal facility. Minor spillage should be wiped away or flushed away with water. Large quantities should be collected for incineration in accordance with the local regulations. Contaminated products should be treated as chemical waste and declared as non-hazardous goods.

6.4. Reference to other sections

See sections 8 and 13 for personal protective equipment and disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Treat the substance as potentially harmful to health.

Do not eat, drink or smoke in premises where this product is stored.

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7.2. Conditions for safe storage, including any incompatibilities

Store in a cool and dry place (above freezing temperature and not greater than 30°C). Handle in premises which have modern ventilation standards.

Store in a well-ventilated space. Store only in the original package.

7.3. Specific end uses

Not relevant.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. National limit values, United Kingdom

All ingredients (cf. Section 3) lack occupational exposure limit values.

8.2. Exposure controls

In terms of minimizing risks, no special attention is needed for this product besides the general obligations that follow EU directive 89/391 and national occupational legislation.

Eye protection should be worn if there is any danger of direct exposure or splashing.

Protective gloves are normally not needed due to the properties of this product, but may be necessary for other reasons, e.g. mechanical risks, temperature conditions or microbiological risks. Very sensitive persons can use gloves labelled "Low Chemical resistant" or "Waterproof" or with the pictogram indicated here:



Protective breathing equipment should only be required in extreme work-situations. Consult the manufacturer if this is the case. Dust filter IIb (P2) may be required.

For limitation of environmental exposure, see Section 12.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Form : paste
	Colour : grey
Odour	Not applicable
Odour threshold	Not applicable
pH	8,0-9,5
Melting point/freezing point	Not applicable
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	1,55 ±0.05 g/cm ³
Solubility	Not applicable
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not applicable
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2. Other information

No data available.

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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product contains no substances which can lead to hazardous reactions at normal use.

10.2. Chemical stability

The product is stable at normal storage and handling conditions.

10.3. Possibility of hazardous reactions

Not indicated.

10.4. Conditions to avoid

Avoid frost.

10.5. Incompatible materials

Not indicated.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

General or unspecific toxicity

The product is not classified as toxic.

Acute effects

Not classified as an acutely toxic substance.

Harmfulness

The product is not classified as harmful to health.

Repeated dose toxicity

To the best of our knowledge, no chronic effects have been reported for this product.

Carcinogenicity

To the best of our knowledge, no carcinogenic effects have been reported for this product.

CMR effects

To the best of our knowledge, no mutagenic or otherwise genetic or reproductive toxic effects have been reported for this product.

Sensibilisation

Hypersensitive reactions cannot be ruled out for persons who are overly sensitive.

Corrosive and irritating effects

The product is not corrosive. Minor irritation cannot be ruled out for persons who are prone/susceptible.

Synergism and antagonism

To the best of our knowledge, no synergistic effects have been reported for this product or any of its ingredients.

Effect on judgement and other psychological effects

To the best of our knowledge this product does not affect discernment if used in the manner intended.

Effect on human microflora

Effects on human micro flora have not been proven, or are negligible.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

This product consists of easily degradable naturally occurring or nature identical substances, mainly obtained from renewable sources, whereby the global environmental load may be considered to be negligible. In the local environment minor ecological effects may occur in case of large discharge.

12.2. Persistence and degradability

The product contains certain components which are not easily degradable.

12.3. Bioaccumulative potential

Neither this product, nor its contents, accumulates in nature.

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12.4. Mobility in soil

No information about mobility in the nature exists but there is no reason to suppose the product to be ecologically harmful because of this.

12.5. Results of PBT and vPvB assessment

No chemical safety report has been executed.

12.6. Other adverse effects

Not indicated.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Must not be disposed of with household waste. Avoid discharge into the environment, drains, sewers, surface water and soil. Dispose of safely in accordance with local/national regulations.

EWC CODE (Europe Waste Catalogue):

08 00 00 - Waste from the preparation, formulation, supply and use of coatings (paint, varnish and enamels), adhesives, sealants and printing inks
08 04 00 wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 10 adhesive and sealant wastes other than those mentioned in 08 04 09.

SECTION 14: TRANSPORT INFORMATION

This product is only supposed to be transported by road or railway and just the transport regulations ADR/RID thus apply. If other means of transport are to be used, contact the publisher of this safety data sheet.

14.1. UN number

Not classified as dangerous goods.

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.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Not applicable.

15.2. Chemical safety assessment

Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

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SECTION 16: OTHER INFORMATION

16a. Indication of where changes have been made to the previous version of the safety data sheet

Revisions of this document

- 1.3. Details regarding the supplier of the safety data sheet.
- 2.2 Label elements
- 13.1. Waste treatment methods

16b. Legend to abbreviations and acronyms used in the safety data sheet.

Full texts for Hazard Class and Category Code mentioned in section 3

EUH 208: Contains reaction mass (3:1) of 5-chloro-2-methyl-2H-isothiazole-3-one and 2-methyl-2H-isothiazole-3-one(55965-84-9), 1,2-benzisothiazole-3(2H)-one; 1,2- benzisothiazoline-3-one(2634-33-5). May cause allergic reaction.

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Explanations of the abbreviations in Section 14

ADR European Agreement concerning the International Transport of Dangerous Goods by Road.
RID Regulations concerning the International Transport of Dangerous Goods by Rail.

16c. Key literature references and sources for data

Sources for data

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I , as updated to 2013-05-31.

Where such data was lacking, on the second hand the documentation on which this official classification is based was used, e.g. IUCLID (International Uniform Chemical Information Database). On the third hand, information was used from reputable international chemical suppliers, and on the fourth hand from other available information, e.g. safety data sheets from other suppliers or information from non-profit associations, whereby the reliability of the source was judged by an expert. If, in spite of this, reliable information was not found, the hazards were judged by expert opinions based on the known properties of similar substances, and according to the principles in 1907/2006 and 1272/2008.

Full texts for Regulations mentioned in this Safety Data Sheet

453/2010	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
1272/2008	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
1999/45/EG	DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations
89/391	COUNCIL DIRECTIVE (89/391/EEC of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work
1907/2006	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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC Annex I

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16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification

The calculation of the hazards of this mixture has been performed as an evaluation by applying a weight of evidence determination using expert judgement in accordance with 1272/2008 Annex I, weighing all available information having a bearing on the determination of the hazards of the mixture, and in accordance with 1907/2006 Annex XI

16e. List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements

16f. Advice on any training appropriate for workers to ensure protection of human health and the environment

Warning for misuse

This product is not expected to cause severe harm to humans or the environment. However the manufacturer, the distributor or the supplier cannot be responsible for unusual or criminal use of the product.

Notice to reader

The information contained in this safety data sheet is based on the present state of knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not be construed as any guarantee of the technical performance or suitability for particular applications.

The information in this safety data sheet is based on data and samples tested by Mulcol International B.V. The sheet is written to the best of our knowledge and according to the state of knowledge at that time. The safety data sheet serves as a guideline for the safe handling, use, consumption, storage, transportation, and disposal of the substances/preparations/mixtures mentioned in section 1.

New safety data sheets are periodically prepared. Only the most recent versions should be used. Unless explicitly stated otherwise on the safety data sheet, the information does not apply to substances/preparations/mixtures in pure form, mixed with other substances, or in processes.

The safety data sheet does not provide a quality specification for the substances/preparations/mixtures in question. Following the instructions in this safety data sheet does not exempt the user from the obligation to take all measures prescribed by common sense, regulations, recommendations, or those necessary and/or useful based on the actual circumstances. Mulcol International B.V. does not guarantee the accuracy or completeness of the provided information and cannot be held liable for any changes made by third parties.

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