

Safety Data Sheet

In accordance with Regulation (EU) no. 878/2020 and Regulation (EC) no. 1272/2008
(All references to EU regulations and directives are abbreviated into only the numeric term)

Release Date: 1.2017
Revision Date: 1.2026
Version: 4.0

Mulcol® Multiwrap

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

1.1. Product identifier

Trade name Mulcol® Multiwrap
Fire wrap

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

Identified uses Intumescent Fire Wrap used in passive fire protection.

1.3. Details of the supplier of the safety data sheet

Company Mulcol International
Promenade 75
5401 GM Uden
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 or 999.

For non-emergency poison information, United Kingdom: National Poisons Information Service 0344 892 0111 (for healthcare professionals only).

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

This product is classified as an article according to Art. 3 of the regulation (EU) No. 1907/2006 (REACH regulation).

Classification in accordance with (EU) No. 1272/2008

Upon assessment, Mulcol® Multiwrap is not classified as hazardous according to (EU) No. 1272/2008.

2.2. Label elements

Label information in accordance with 1272/2008

Hazard pictograms Not applicable
Signal words Not applicable
Hazard statements Not applicable

2.3. Other hazards

Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is an article that consists of multiple components.

3.2. Mixtures

No dangerous ingredients according to regulation (EU) No. 1272/2008 (CLP regulation).

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

IF INHALED If symptoms occur, move exposed individuals to fresh air.
IF IN EYES Rinse the eye thoroughly with water; If symptoms occur, seek medical attention.
IF ON SKIN wash the skin with water; If symptoms occur, contact a physician.
IF INGESTED Flush nose, mouth and throat with water, If symptoms occur, seek medical attention.

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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

Not applicable.

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

For this article no limitations of extinguishing agents are given.

5.2. Special hazards arising from the substance or mixture

Produces harmful gases (carbon monoxide and carbon dioxide) when burning.

This article is intumescent and expands upon sufficient heating (>150 °C).

5.3. Advice for fire-fighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing. See section 8 for personal protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Observe emergency procedures, consult an expert. For personal protection see section 8.

6.2. Environmental precautions

Do not let product enter drains. In case of spillage in protected water, immediately contact the local authorities.

6.3. Methods and material for containment and cleaning up

Collect the material for disposal according to section 13.

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

The product should be stored in a manner which prevents hazards to health and the environment. Avoid exposure to humans and animals and do not discharge the product in the environment.

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

Wash hands after use.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool and dry place (5-30°C). Avoid moisture, heat and frost.

Store in a well-ventilated space.

Store only in the original package.

7.3. Specific end uses

Apart from the use mentioned in section 1.2 no other specific uses are recommended.

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.

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8.2. Exposure controls

Follow EU directive 89/391 and national occupational legislation. Ensure a well-ventilated workplace.

Eyes/Face protection

Eye protection should be worn. Wear Class 2A5 goggles in line with EN 166 to prevent possible contact.

Skin protection

Wear gloves that are approved according to EN 374. Consult the manufacturer of the gloves for precise information about their chemical resistance. Pay attention to mechanical wear strength.

Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: >480 min

Material: Butyl rubber
Minimum layer thickness: 0.11 mm
Break through time: >480 min

Respiratory protection

Respiratory protection may be required if dust is formed.
Required filter type: FFP2 or equivalent.

For limitation of environmental exposure, see section 12.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Solid (Article)
Colour	Grey
Odour	None
Odour threshold	Not applicable
pH	Not applicable
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	Not applicable
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
pH	No data available
Kinematic viscosity	Not applicable
Solubility	Not soluble
Partition coefficient: n-octanol/water	No data available
Vapour pressure	No data available
Density	No data available
Relative vapour density	Not applicable
Particle Characteristics	No data available

9.2. Other information

The product expands upon heating, beginning at approximately 150 °C

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

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

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10.2. Chemical stability

The product is stable under normal ambient conditions, see section 7.

10.3. Possibility of hazardous reactions

No Hazardous reactions known.

10.4. Conditions to avoid

Avoid frost or excessive heat, see section 7.

10.5. Incompatible materials

Not known.

10.6. Hazardous decomposition products

None.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Information on other hazards.

Endocrine disrupting properties:

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 and 2006/1907 at levels of >0.1%

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No data available for the article.

12.2. Persistence and degradability

No data available.

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12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No chemical safety report has been executed.

12.6. Endocrine disrupting properties

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 and 2006/1907 at levels of >0.1%

12.7. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste handling for the product

The product is not classified as hazardous waste.

EWC code 17 06 04.

Also take local regulations for dealing with waste into account.

Cf. also national waste regulations.

Recycling of the product

This product is not usually recycled.

Transportation of waste

Waste class J(0) - Does not have adverse effects on health or the environment.

SECTION 14: TRANSPORT INFORMATION

This product is only supposed to be transported by road, railway, sea or inland waterways and the transport regulations ADR, RID, IMDG and ADN 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.

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SECTION 15: REGULATORY INFORMATION

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

This document meets the requirements set by 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; 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) (Text with EEA relevance). UK HSE EH40/2005 Workplace exposure limits

15.2. Chemical safety assessment

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

SECTION 16: OTHER INFORMATION

Revisions of this document

The revision resulting in version 3 made drastic changes in section 1 to 16, updating the document to be in accordance with (EU) no. 878/2020.

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

ADN	European agreement for the international transport of dangerous cargo via inland waterways.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CO ₂	Carbon Dioxide
CAS	Chemical Abstracts Service
d	Day(s)
EC	European Community
EC ₅₀	Half maximal effective concentration.
EWC	European Waste Catalogue.
EU	European Union
hr	Hour
IBC	Intermediate Bulk Container.
IMDG	The International Maritime Dangerous Goods (IMDG) Code.
IUCLID	International Uniform Chemical Information Database.
LC ₅₀	Half Lethal Concentration.
min	Minute
no.	Numero sign, Number.
NOEC	No Observed Effect Concentration.
LOEC	Lowest Observed Effect Concentration
PBT	Persistence, Bioaccumulation and Toxicity.
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals.
RID	European treaty on the international transport of hazardous substances by rail.
TWA	Time Weighted Average.
UN	United Nations
vPvB	Very Persistent and Very Bioaccumulative.

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, (EU) no. 1272/2008 Annex I, as updated to 2013-02-28.

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 (EU) no. 1907/2006 and 1272/2008.

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Full texts for Regulations mentioned in this Safety Data Sheet

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
EH40/2005	EH40/2005 Workplace exposure limits Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations 2002 (as amended) (Fourth Edition 2020).
MARPOL 73/78	The International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
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
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
2100/2017	COMMISSION DELEGATED REGULATION (EU) 2017/2100 of 4 September 2017 setting out scientific criteria for the determination of endocrine-disrupting properties pursuant to Regulation (EU) No 528/2012 of the European Parliament and Council.
605/2018	COMMISSION REGULATION (EU) 2018/605 of 19 April 2018 amending Annex II to Regulation (EC) No 1107/2009 by setting out scientific criteria for the determination of endocrine disrupting properties
878/2020	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)

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 article 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 article, and in accordance with 1907/2006 Annex XI.

16e. List of relevant hazard statements and/or precautionary statements

Not applicable.

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 was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1.

New safety data sheets are written from time to time. Only the most recent versions may be used. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes.

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The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. Mulcol International B.V. does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties.

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