

Safety Data Sheet

In accordance with Regulation (EC) No. 1907/2006 (REACH)
and Regulation (EU) No. 2015/830

Mulcol® Multitherm Bandage

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

1.1. Product identifier

Trade name Mulcol® Multitherm Bandage
Thermal insulation

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Sealant tape (fire protection agent)

1.3. Details of the supplier of the safety data sheet

Company Mulcol International
Arnesteinweg 18
4338 PD 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/gho/phe/chemical_safety/poisons_centres/en/

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)
This substance is classified as not hazardous.

2.2. Label elements

Labelling (CLP)

Hazard statements: not applicable
Precautionary statements: not applicable

Special labelling

EUH210 Safety data sheet available on request.

2.3. Other hazards

Processing, e.g. by cutting, sawing or grinding, can produce particles and dust. Inhalation of dust may cause irritation of the respiratory system. Dust contact with the eyes can lead to mechanical irritation.

Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Chemical characterisation

Sealing agent on the basis of butyl caoutchouc (butyl rubber), Polyisobutylene, fillers and additives.
Preparation does not contain dangerous substances above limits that need to be mentioned in this section according to applicable legislation.

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures****In case of inhalation:**

Not a probable route of exposure.

In case of development of vapours or dust: Provide fresh air.

In the event of discomfort seek medical treatment.

Following skin contact:

Remove residues with soap and water. In case of skin irritation, consult a physician.

After eye contact:

With eyelids open, wash out eyes for several minutes under flowing water.

In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing:

Swallowing is not regarded as a possible way of exposition.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation of dust may cause irritation of the respiratory system. Dust contact with the eyes can lead to mechanical irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES**5.1. Extinguishing media****Suitable extinguishing media:**

Water fog, foam, dry extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High power water jet

5.2. Special hazards arising from the substance or mixture

On heating or in case of fire toxic gases may form.

If heated to decomposition product may emit: Smoke, carbon monoxide and carbon dioxide.

5.3. Advice for fire-fighters**Special protective equipment for firefighters:**

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Hazchem-Code: -

Use fine water spray to cool endangered containers.

Do not allow fire water to penetrate into surface or ground water.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation.

In the case of the formation of dust: Wear protective equipment. Do not breathe dust. Avoid contact with skin and eyes.

6.2. Environmental precautions

Do not allow to enter into ground-water, surface water or drains.

6.3. Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. To clean the floor and all object contaminated by this material, use white spirit.

6.4. Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: HANDLING AND STORAGE**7.1. Precautions for safe handling****Advices on safe handling:**

Wash hands before breaks and after work. When using do not eat, drink or smoke.

For mechanical processing: Avoid generation of dust. Provide adequate ventilation.

In the case of the formation of dust: Wear protective equipment. Do not breathe dust. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed in a dry and well-ventilated place.
storage temperature: 5 °C up to 25 °C

7.3. Specific end uses

No information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Additional information:

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Local exhaust when handling heated material.
Provide adequate ventilation.

Personal protection equipment

Occupational exposure controls

Respiratory protection:

Usually no personal respirative protection necessary.
For mechanical processing: Particulates filter P1 according to EN 143.

Hand protection:

Protective gloves according to EN 374.
Glove material: nitrile rubber, butyl caoutchouc (butyl rubber), polyvinyl alcohol
Layer thickness: 1 mm

Eye protection:

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Tightly sealed goggles according to EN 166.

Body protection:

Wear work clothes with long arms.

General protection and hygiene measures:

Wash hands before breaks and after work. When using do not eat, drink or smoke. Avoid generation of dust. Do not breathe dust.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Physical state at 20 °C and 101.3 kPa: solid Form: Sealant tape
Colour	Red brown
Odour	Mild, weak
Odour threshold	No data available
pH value	Neutral
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point/flash point range	> 180 °C
Evaporation rate	No data available
Flammability	No data available
Explosion limits	LEL (Lower Explosion Limit): not applicable UEL (Upper Explosive Limit): not applicable
Vapour pressure	No data available
Vapour density	No data available
Density	Approx. 1.2 g/cm ³
Water solubility	Insoluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Thermal decomposition	> 200 °C
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidizing characteristics	No data available

9.2. Other information

Solvent content 0 %



SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

refer to 10.3

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Protect from excessive heat.

10.5. Incompatible materials

Acids, organic solvents.

10.6. Hazardous decomposition products

On heating or in case of fire toxic gases may form.

If heated to decomposition product may emit: Smoke, carbon monoxide and carbon dioxide.

Thermal decomposition: > 200 °C

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological effects:

Acute toxicity (oral)	: Lack of data.
Acute toxicity (dermal)	: Lack of data.
Acute toxicity (inhalative)	: Lack of data.
Skin corrosion/irritation	: Lack of data.
Eye damage/irritation	: Lack of data.
Sensitisation to the respiratory tract	: Lack of data.
Skin sensitisation	: Lack of data.
Germ cell mutagenicity/Genotoxicity	: Lack of data.
Carcinogenicity	: Lack of data.
Reproductive toxicity	: Lack of data.
Effects on or via lactation	: Lack of data.
Specific target organ toxicity (single exposure)	: Lack of data.
Specific target organ toxicity (repeated exposure)	: Lack of data.
Aspiration hazard	: Lack of data.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Further details:

No data available.

12.2. Persistence and degradability

Further details:

Product is not biodegradable.

Due to its high density, product does not float and, therefore, cannot be separated by normal light-density material separators.

12.3. Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6. Other adverse effects**General information:**

Do not allow to penetrate into soil, waterbodies or drains.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods****Product**

Waste key number: 07 02 99 = wastes from the MFSU of plastics, synthetic rubber and man-made fibres:

Wastes not otherwise specified

MFSU = manufacture, formulation, supply and use

Recommendation: Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.

SECTION 14: TRANSPORT INFORMATION**14.1. UN number**

ADR/RID, IMDG, IATA-DGR:

Not applicable

14.2. UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

14.3. Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

Not applicable

14.4. Packing group

ADR/RID, IMDG, IATA-DGR:

Not applicable

14.5. Environmental hazards

Marine pollutant:

No

14.6. Special precautions for user

No dangerous good in sense of these transport regulations.

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

No data available.

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulations - Great Britain

Hazchem-Code:

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No data available

National regulations - EC member states

Volatile organic compounds (VOC):

0 % by weight

15.2. Chemical safety assessment

No data available

SECTION 16: OTHER INFORMATION**Further information****Date of first version** : 01-2017**Earlier versions** : not applicable**Department issuing data sheet**

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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.