

Prepared in accordance with the criteria of Regulation (EC) No. 1907/2006 (REACH) as amended by Regulation (EC) No. 453/2010 - No. 830/2015

Date of publication: 10 June 2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Trade name	MUSTWALL
Product form	Panel
REACH registration number	Article excluded from REACH registration
Product type	Acoustic insulation
Product group	Product for professional use

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

The material is intended for professional use

Main use category: Professional use for the construction of noise reducing systems

Description of the material: Panel made of SBR rubber fibre and granules and EPDM rubber granules hot-pressed with polyurethane adhesives, coupled with two outer layers of non-woven fabric

Function or category of use: Acoustic insulation

1.2.2. Uses advised against

There are no known uses advised against in the professional field.

1.3. Information on the supplier of the safety data sheet**Supplier**

ISOLGOMMA S.r.l. - Via Dell'Artgianato, 24 - Albettone (VI) - Italy

Tel. +39 0444 790781 - Fax +39 0444 790784 - info@isolgomma.com - isolgomma.com

Competent person responsible for the sheet

Massimo Montagna - m.montagna@isolgomma.com

1.4. Emergency telephone number

Emergency number 118

SECTION 2: Hazard identification**2.1. Classification of the substance or mixture****Classification according Regulation (EC) no. 1272/2008 [CLP]**

The material falls under the definition of article according to Regulation 1907/2006 (REACH Regulation) art.3 par.3 and does not contain substances intended to be released under normal or reasonably foreseeable conditions of use, therefore, according to the same Regulation, there is no obligation of a Safety Data Sheet compiled according to art. 31.

This document has been developed for the purpose of providing information normally included in a safety data sheet and is a voluntarily issued information sheet which, although produced for ease of reading by users on the model provided for safety data sheets, is not subject to the formal requirements of the REACH Regulation.

The material does not meet the criteria for classification according to Regulation (EC) No. 1272/2008

2.1.1. Adverse physico-chemical effects, for human health and the environment

None known under normal conditions of use

2.2. Label elements

The product is not subject to labelling according to Annex I, point 1.3.4.1 of Regulation 1272/2008.

2.3. Other hazards

Other hazards which do not contribute to classification: none known under normal conditions of use.

The substances/mixtures contained in the MUSTWALL product do not meet the PBT, vPvB criteria of the REACH Regulation, Annex XIII

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SECTION 3: Composition / information about the ingredients

3.1. Substance

Not applicable

3.2. Mixture

Component	Component identifier (EC number)	% weight	Classification of the component according to Regulation 1272/2008 (CLP Regulation)
Stabilised SBR rubber	685-345-0	75 ÷ 90	H412 cat 3
Polymethylenediphenyl diisocyanate	500-079-6	<0,1	H315 cat 2 H317 cat 1 H319 cat 2 H332 H334 cat 1 H335 STOT SE3 H351 cat 2 H373 STOT RE2
Toluene diisocyanate	247-722-4	<0,1	H315 cat 2 H317 cat 1 H319 cat 2 H330 cat 2 H334 cat 1 H335 STOT SE3 H351 cat 2 H412 cat 3

The material may also contain residues of monomer, polymerisation catalyst, accelerating agents and fluidizing agents in concentrations below the values that require classification.

For the full text of the H statements see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures (in case of contamination with chemical components of the article)

General first aid measures

Do not give anything orally to an unconscious person; If you feel unwell, seek medical advice.

First aid measures if inhaled

Remove the casualty to the open air and maintain at rest; in case of discomfort or irregular breathing consult a doctor.

First aid measures in case of skin contact

Remove contaminated clothing and wash all exposed skin area with mild soap and water followed by rinsing with warm water.

First aid measures in case of eye contact

Rinse immediately with plenty of water, remove any contact lenses, consult a doctor.

First aid measures if swallowed

Rinse the mouth with water; DO NOT induce vomiting, consult a doctor.

4.2. Main symptoms and effects, both acute and delayed

Effects of eye contact

Foreign body sensation with redness and tearing

4.3. Indication of any necessity to consult a doctor immediately or of special treatments

In case of exposure to combustion fumes

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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media Multi-purpose chemical powder; water spray; high expansion foam; sand

Unsuitable extinguishing media Carbon dioxide; high flow water jet

5.2. Special hazards arising from the substance or mixture

SBR and EPDM rubber generates class A fires, i.e. fires of solid materials leading to the formation of embers.

In the event of a fire, the material burns with the emission of dense, black smoke, which irritates the respiratory tract and eyes.

During combustion the product produces toxic fumes, carbon monoxide, sulphur and nitrogen oxides, hydrogen cyanide.

5.3. Recommendations for fire-fighters

Instructions for extinguishing fires Wear appropriate protective equipment (including personal protective equipment as mentioned in section 8 of the sheet) to prevent contamination of skin, eyes and personal clothing and self-contained breathing apparatus or gas mask with universal filter for outdoor use, self-contained breathing apparatus for indoor use.
Do not enter the fire area without adequate protective equipment.
Avoid contamination of surface water and prevent water used in fire-fighting from entering sewers.

SECTION 6: Measures in case of accidental release

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For those who do not intervene directly

Emergency procedures No significant risk expected; move away from area.

6.1.2. For those who intervene directly

Protective equipment Wear personal protective equipment as described in section 8 of the sheet to prevent contamination of skin, eyes and clothing
Emergency procedures Remove possible sources of ignition

6.2. Environmental precautions:

Do not allow material to contaminate surface water and/or enter sewers.

Inform the relevant authorities if the product enters the sewage system or surface water.

6.3. Methods and materials for containment and for reclamation

Cleaning methods The material can be recovered manually or by mechanical means, the product that can no longer be used must be disposed of as special waste

6.4. Reference to other sections

See Section 8: Exposure control/personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling Wear personal protective equipment as described in section 8 of the sheet to prevent contamination of skin, eyes and clothing.
Wash hands and other areas of skin exposed to the product with mild soap and water before eating, drinking, smoking and when leaving the workplace.
Ensure good ventilation of the work area at all times.
Do not smoke when handling the material

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Store only in the original packaging in a cool, well-ventilated place free from sources of ignition. Smoking must be prohibited in storage areas.
Incompatible products	Not expected to present a significant risk under anticipated conditions of normal use.
Incompatible materials	Direct sunlight

7.3. Specific end uses

No further information available

SECTION 8: Exposure control/personal protection

8.1. Control parameters

	OEL Italy	OEL ACGIH
Polymethylenediphenyl diisocyanate	0.02 ppm (short term) Note: skin	0.005 ppm (TLV-TWA) Note: skin
Toluene diisocyanate		0.001 ppm (TLV-TWA) 0.005 ppm (TLV –STEL) Note: skin

Limit values for occupational exposure set by other non-statutory bodies:

Respirable dusts (PNOS)	3 mg/mc (TLV-TWA)
Inhalable dusts (PNOS)	10 mg/mc (TLV-TWA)

National biological limit values corresponding to Community limit values: not defined

Biological limit values set by other non-statutory bodies: unknown

8.1.1. Information on monitoring

Standard EN 689	Exposure in the workplace - Measurement of inhalation exposure to chemical agents - Strategy for verification of compliance with occupational exposure limit values.
Standard EN 481	Atmosphere in the working environment. Definition of particle size fractions for the measurement of airborne particles.
Standard EN 482	Exposure in the working environment - General requirements on procedures for the measurement of chemical agents.
Standard EN 1540	Exposure in the working environment - Terminology
OSHA Method 42	Atmosphere in the working environment. Definition of particle size fractions for the

8.1.2. Information on the formation of any air pollutants as a result of an intended use

The relevant uses mentioned in 1.2 may result in the formation of a small amount of dust as an air pollutant.

8.1.3. Information from the chemical safety report

No data available

8.2. Exposure controls

Appropriate technical controls

Minimise dust generation; ensure adequate ventilation of the work area

Personal Protective Equipment

Eye and face protection	Wear protective goggles in accordance with the technical standard UNI EN 166:2004.
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Skin protection	In the event of possible prolonged contact with the skin, use gloves conforming to technical standard UNI EN 374:2020, type F impermeability, class 3 or higher.
Respiratory protection	In case of dust generation use filtering facial devices FP1 or higher grade.
Protection from thermal hazards	Not applicable

Environmental exposure controls

Any processing residues should be collected and disposed of as special waste

Other information

Do not eat, drink or smoke when using the product

SECTION 9: Physical and chemical properties

9.1. Information on the fundamental physical and chemical properties of the article

Physical state	Solid
Colour	Black/grey
Odour	Characteristic
Odour detection threshold	Not known
pH	Not applicable
Melting point	Not applicable, product decomposes before melting
Freezing point	> 110°
Boiling point	Not applicable
Flash point	Not flammable
Decomposition temperature	Not applicable
Solubility in water	Not soluble
Relative density	0,70 ÷ 0,85
Particle characteristics	Not applicable

9.2. Other information

No further information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product has no reactivity characteristics

10.2. Chemical stability

The product is stable under normal conditions of storage and use

10.3. Possibility of dangerous reactions

No adverse reactions are known for the product

10.4. Conditions to be avoided

Keep away from sources of heat, sparks, naked flames, hot surfaces. Do not smoke when using the product.

10.5. Incompatible materials

None.

10.6. Dangerous decomposition products

In case of combustion: carbon oxides, nitrogen oxides, sulphur oxides, hydrogen cyanide

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SECTION 11: Toxicological information

11.1. Information on toxicological effects of the ingredients

Data taken from the ECHA REACH dossiers for the substances considered.

Stabilised SBR rubber

Polymethylenediphenyl diisocyanate	
LD50 oral rat	> 2000 mg/kg (Data from REACH ECHA read-across dossier)
DL50 inhaled rat	0.490 mg/l of air (Data from REACH ECHA read-across dossier)
DL50 skin rabbit	> 9400 mg/kg (Data from REACH ECHA read-across dossier)
Eye irritation rabbit	Negative (Data from REACH ECHA dossier)
Skin sensitisation (guinea pig)	Sensitising (Data from REACH ECHA dossier)

Toluene diisocyanate	
LD50 oral rat	5110 mg/kg (Data from REACH ECHA read-across dossier)
LD50 oral rat	65 ppm (Data from REACH ECHA read-across dossier)
DL50 inhaled rat	> 9400 mg/kg (Data from REACH ECHA read-across dossier)
DL50 skin rabbit	Negative (Data from REACH ECHA dossier)
Eye irritation rabbit	Negative (Data from REACH ECHA dossier)

MUSTWALL	
Acute toxicity - oral route	No data available from tests on animals or humans
Acute toxicity - dermal/mucosal route	No data available from tests on animals or humans
Acute toxicity - inhalatory route	No data available from tests on animals or humans
Skin corrosion	No data available from tests on animals or humans
Skin irritation	No data available from tests on animals or humans
Irreversible effects on the eye - serious eye injury	No data available from tests on animals or humans
Reversible effects on the eye - eye irritation	No data available from tests on animals or humans
Respiratory sensitisation	No data available from tests on animals or humans
Skin sensitisation	No data available from tests on animals or humans
Germ cell mutagenicity	No data available from tests on animals or humans

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Carcinogenicity	No data available from tests on animals or humans
Reproductive toxicity - effects on sexual function and fertility	No data available from tests on animals or humans
Reproductive toxicity - effects on development of offspring	No data available from tests on animals or humans
Reproductive toxicity - effects on or via lactation	No data available from tests on animals or humans
Specific target organ toxicity (STOT) Single exposure	No data available from tests on animals or humans
Specific target organ toxicity (STOT) Repeated exposure	No data available from tests on animals or humans
Hazard in case of aspiration	No data available from tests on animals or humans
Interference with the endocrine system	No data available from tests on animals or humans
Other possible effects on humans or possible symptoms	No data available from tests on animals or humans

SECTION 12: Ecological information

12.1. Toxicity relating to components

Data taken from the ECHA REACH dossiers for the substances considered.

MUSTWALL	No data available
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Polymethylenediphenyl diisocyanate	
LC50 fish	>1000 mg/kg
LC50 daphnia	>1000 mg/L
EC50 daphnia	>1000 mg/L
NOEC daphnia	10 mg/l
EC50 algae	>1640 mg/l
NOEC algae	>1640 mg/l
LC 50 soil macro-organisms	>1000 mg/Kg
EC 50 soil macro-organisms	>1000 mg/Kg
LC 50 plants	>1000 mg/Kg
EC 50 plants	>1000 mg/Kg

Toluene diisocyanate	
LC50 fish	133 mg/kg
LC50 daphnia – fresh water	12,5 mg/l di
LC 50 daphnia – salt water	18,3 mg/l
EC50 daphnia – fresh water	12,5 mg/l
EC 50 daphnia – salt water	18,3 mg/l
EC 50 algae – fresh water	4300 mg/l
EC 50 daphnia – salt water	32303 mg/l
EC 50 micro-organisms	100 mg/l

12.2. Persistence and degradability

Data taken from the ECHA REACH dossiers for the substances considered

MUSTWALL	No data available
Polymethylenediphenyl diisocyanate	Non-biodegradable (data from REACH MDI dossier)
Toluene diisocyanate	Non-biodegradable (data from REACH MDI dossier)

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12.3. Potential bioaccumulation

Data taken from the ECHA REACH dossiers for the substances considered.

MUSTWALL

Polymethylenediphenyl diisocyanate	BFC aquatic species Koc	No data available 200 (Data from REACH ECHA MDI dossier) No data available
Toluene diisocyanate	BFC aquatic species Koc	180 (Data from REACH ECHA TDI dossier) No data available

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

Data taken from the ECHA REACH dossiers for the substances considered.

MUSTWALL

This mixture does not meet the PBT criteria of REACH Regulation, Annex XIII

Polymethylenediphenyl diisocyanate

This mixture does not meet the PBT criteria of REACH Regulation, Annex XIII

Toluene diisocyanate

This mixture does not meet the PBT criteria of REACH Regulation, Annex XIII

12.6. Effects on the endocrine system

No information available

12.7. Other adverse effects

Not known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Send to authorised plants in accordance with current regulations; avoid release to the environment.

Product waste must not be disposed of through the sewage system.

SECTION 14: Transport information

14.1. UN number

UN number (ADR):	Not regulated
UN number (IMDG):	Not regulated
UN number (IATA):	Not regulated
UN number (ADN):	Not regulated
UN number (RID):	Not regulated

14.2. UN proper shipping name

Official transport name (ADR):	Not regulated
Official transport name (IMDG):	Not regulated
Official transport name (IATA):	Not regulated
Official transport name (ADN):	Not regulated
Official transport name (RID):	Not regulated

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14.3. Transport hazard classes

ADR

Transport hazard classes (ADR): Not regulated

IMDG

Transport hazard classes (IMDG): Not regulated

IATA

Transport hazard classes (IATA): Not regulated

ADN

Transport hazard classes (ADN): Not regulated

RID

Transport hazard classes (RID): Not regulated

14.4. Packaging group

Packaging group (ADR): Not regulated

Packaging group (IMDG): Not regulated

Packaging group (IATA): Not regulated

Packaging group (ADN): Not regulated

Packaging group (RID): Not regulated

14.5. Environmental hazards

Dangerous for the environment: No

Marine pollutant: No

Transport by tanker: Not applicable

Other information: No further information available

14.6. Special precautions for users

When loading/unloading material, use the precautions already described in section 7 regarding safe handling.

Ensure in advance that it is compatible with other goods that may be loaded.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU Standards

The product does not contain substances on the ECHA candidate list referred to in Article 59(10) of the REACH Regulation.

The product is not subject to the Seveso III Directive.

15.2. Chemical safety assessment

A Chemical Safety Assessment (CSA) is not required for this product as it is a non-intentional release article and does not contain any SVHC substances subject to notification to the ECHA Agency.

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SECTION 16: Other information

No further information available.

Integral text of relevant H statements

H301	Toxic if swallowed.
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction.
H318	Causes serious eye injury
H319	Causes serious eye irritation.
H330	Fatal if inhaled
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May irritate the airways.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long-lasting effects
H411	Toxic for aquatic life with long-lasting effects
H412	Harmful for aquatic life with long-lasting effects
EUH071	Corrosive for the airways

Data sources:

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

ECHA Agency: "Information on Chemicals" database

ABBREVIATIONS AND ACRONYMS

ADR	European agreement concerning the international carriage of dangerous goods by road.
BFC	Bioconcentration factor
CAS	Chemical Abstracts Service (division of the American Chemical Society).
CLP	Classification, Labelling, Packaging.
DL50	Lethal dose, in a single administration, for 50% of the sample
DNEL	Derived no-effect limit
IATA	International air transport association.
IATA-DGR	Dangerous goods regulations of the "International air transport association" (IATA).
ICAO	International civil aviation organisation.
ICAO-TI	Technical instructions of the "International civil aviation organisation" (ICAO).
IMDG	International maritime dangerous goods code.
Koc	Partition coefficient between organic carbon in soil and water
OSHA	Occupational Safety and Health Administration (USA)
PNEC	Predicted no-effect concentration
PNOS	Insoluble or poorly soluble particles not otherwise specified
PBT	Biopersistent, accumulative and toxic substance

This document has been prepared by a competent chemical safety technician who has received appropriate training.

The data and information contained in this sheet are based on the knowledge available to us at the date of the last revision. Therefore, they should not be interpreted as a guarantee of any specific properties of the product.

No assurance can be given that all possible safety measures are contained in this safety data sheet and that consequently no additional measures may be required under special or exceptional conditions or circumstances.

The user must make sure of the suitability and completeness of the information, with relation to the particular use he has to make of the product.

This sheet cancels and replaces any previous edition.