

SAFETY DATA SHEET

According to Annex II to REACH - Regulation 2015/830

BRR01

Polyurethane foam (Aerosols); sealing and insulation for buildings.

Revision n. **03**

Dated **06/04/2021**

Printed on **06/04/2021**

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Replaced revision: 02

(Dated: 16/10/2020)



1 - Identification of the substance/mixture and of the company/undertaking

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

Intended use	Polyurethane foam (Aerosols); sealing and insulation for buildings.
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1.3. Details of the supplier of the safety data sheet

Name	Tecfi S.p.A.
Full Address	S.S.Appia km 193
District and Country	81050 Pastorano (CE) - Italia - tel. 0823 88 3338 - fax 0823 - 883260
e-mail (of the competent person responsible for the Safety Data Sheet)	rdc@tecfi.it

1.4. Emergency telephone number

For urgent inquiries refer to	Osp. NIGUARDA CA' GRANDA – Milano 02/66101029 CAV Policlinico "A. Gemelli" - Roma 06/3054343 Osp. "A. Cardarelli" - Napoli 081/7472870
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2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Aerosol, category 1	H222	Extremely flammable aerosol.
	H229	Pressurised container: may burst if heated.
Carcinogenicity, category 2	H351	Suspected of causing cancer.
Specific target organ toxicity - repeated exposure, category 2	H373	May cause damage to organs through prolonged or repeated exposure
Eye irritation, category 2	H319	Causes serious eye irritation.
Skin irritation, category 2	H315	Causes skin irritation.
Specific target organ toxicity - single exposure, category 3	H335	May cause respiratory irritation.
Respiratory sensitization, category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization, category 1	H317	May cause an allergic skin reaction.

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2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Danger

Hazard statements:

H222	Extremely flammable aerosol.
H229	Pressurised container: may burst if heated.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
EUH204	Contains isocyanates. May produce an allergic reaction.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
P501	Dispose of the product / container in accordance with the legislation in force concerning waste treatment.
P102	Keep out of reach of children.
P211	Do not spray on an open flame or other ignition source.
P101	If medical advice is needed, have product container or label at hand.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/ protective clothing / eye protection / face protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contains: 4,4'-methylene diphenyl diisocyanate, isomers and homologues

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

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3. Composition/information on ingredients

3.2. Mixtures

Contains

Identification	x=Conc. %	Classification 1272/2008 (CLP)
4,4'-methylene diphenyl diisocyanate, isomers and homologues CAS 9016-87-9 EC - INDEX 615-005-00-9 Nr. Reg. No applic.	47,5 ≤ x < 50	Carc. 2 H351, Acute Tox. 4 H332, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317, Classification note according to Annex VI to the CLP Regulation: 2 C
TCPP_Tris (2-chloro-1- methylethyl) phosphate- multiconstituent substance CAS - EC 911-815-4 INDEX - Nr. Reg. 01-2119486772-26	13,5 ≤ x < 15	Acute Tox. 4 H302
Polymer with 2-Butyne-1,4-Diol and (Chloromethyl-)Oxirane, Brominated, Dehydrochlorinated, Methoxylated CAS 86675-46-9 EC - INDEX - Nr. Reg. 01-2119972940-30	12 ≤ x < 13,5	Acute Tox. 4 H302
1,1-difluoroethane CAS 75-37-6 EC 200-866-1 INDEX - Nr. Reg. 01-2119474440-43	9 ≤ x < 10,5	Flam. Gas 1 H220, Press. Gas H280
Dimethylether CAS 115-10-6 EC 204-065-8 INDEX 603-019-00-8 Nr. Reg. 01-2119472128-37	4 ≤ x < 4,5	Flam. Gas 1 H220, Press. Gas H280
Isobutane CAS 75-28-5 EC 200-857-2 INDEX 601-004-00-0 Nr. Reg. 01-2119485395-27	4 ≤ x < 4,5	Flam. Gas 1 H220, Press. Gas H280, Classification note according to Annex VI to the CLP Regulation: C U
PROPANE CAS 74-98-6 EC 200-827-9 INDEX 601-003-00-5 Nr. Reg. 01-2119486944-21	2 ≤ x < 2,5	Flam. Gas 1 H220, Press. Gas H280, Classification note according to Annex VI to the CLP Regulation: U

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Identification	x=Conc. %	Classification 1272/2008 (CLP)
Trietil fosfato CAS 78-40-0 EC 201-114-5 INDEX 015-013-00-7 Nr. Reg. 01-2119492852-28	$2 \leq x < 2,5$	Acute Tox. 4 H302, Eye Irrit. 2 H319

The full wording of hazard (H) phrases is given in section 16 of the sheet.

The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered (unless they have health hazards). The percentages indicated are inclusive of the propellants.

Percentage of propellants: 10,60 %

4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately. IN-

GESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the fire. Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

6.2. Environmental precautions

Do not disperse in the environment.

6.3. Methods and material for containment and cleaning up

Use inert absorbent material to soak up leaked product. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

7. Handling and storage

7.1. Precautions for safe handling

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray

7.2. Conditions for safe storage, including any incompatibilities

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources.

7.3. Specific end use(s)

Information not available

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8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

DEU	Deutschland	TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte
EU	OEL EU	Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.

TCPP_Trīs (2-chloro-1-methylethyl) phosphate- multiconstituent substance

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,64	mg/l
Normal value in marine water	0,064	mg/l
Normal value for fresh water sediment	13,4	mg/kg
Normal value for marine water sediment	1,34	mg/kg
Normal value for water, intermittent release	0,51	mg/l
Normal value of STP microorganisms	7,84	mg/l
Normal value for the food chain (secondary poisoning)	11,6	g/kg
Normal value for the terrestrial compartment	1,7	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	0,52 mg/kg				
Inhalation	VND	11,2 mg/m3	VND	1,46 mg/m3	VND	22,4 mg/m3	VND	5,82 mg/m3
Skin	VND	4 mg/kg	VND	1,04 mg/kg	VND	8 mg/kg	VND	2,08 mg/kg

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Dimethylether

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
MAK	DEU		1000		
OEL	EU	1920	1000		

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,155	mg/l
Normal value in marine water	0,016	mg/l
Normal value for fresh water sediment	0,681	mg/kg
Normal value for marine water sediment	0,069	mg/kg
Normal value for water, intermittent release	1,549	mg/l
Normal value of STP microorganisms	160	mg/l
Normal value for the terrestrial compartment	0,045	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation			VND	471 mg/m3			VND	1894 mg/m3

Triethylphosphate

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,632	mg/l
Normal value of STP microorganisms	298,5	mg/l

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral	VND	13,3 mg/kg	VND	1,66 mg/kg				
Inhalation	VND	23,12 mg/m3	VND	2,89 mg/m3	VND	93,6 mg/m3	VND	11,7 mg/m3
Skin	VND	13,3 mg/kg	VND	1,66 mg/kg	VND	26,6 mg/kg	VND	3,33 mg/kg

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

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8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

Exposure levels must be kept as low as possible to avoid significant build-up in the organism. Manage personal protective equipment so as to guarantee maximum protection (e.g. reduction in replacement times).

HAND PROTECTION

Chemical resistant gloves category III. Choose the thickness so that the permeation time is longer than the time of re-use of the product.

SKIN PROTECTION

Protective clothing category III. Antistatic safety shoes and chemical-resistant category III (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear Face shield category III. (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a Half mask with filters for gases, vapors, and particulate category III (see standard EN 14387).

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

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9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol
Colour	red
Odour	characteristic
Odour threshold	Not applicable
pH	Not applicable
Melting point / freezing point	Not available
Initial boiling point	Not applicable
Boiling range	Not available
Flash point	< -85 °C
Evaporation Rate	Not available
Flammability of solids and gases	flammable gas
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1,1
Solubility	insoluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	> 230 °C
Decomposition temperature	Not applicable
Viscosity	Not applicable
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2. Other information

VOC (Directive 2010/75/EC)	18,10 % - 199,10 g/litro
VOC (volatile carbon)	0

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10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use

TCPP_Trīs (2-chloro-1-methylethyl) phosphate- multiconstituent substance

- Above 150 ° C it decomposes.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

Avoid overheating

10.5. Incompatible materials

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

10.6. Hazardous decomposition products

TCPP_Trīs (2-chloro-1-methylethyl) phosphate- multiconstituent substance

- HCL, phosphorus oxides and chlorinated hydrocarbons.

11. Toxicological information

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:

> 20 mg/l

LD50 (Oral) of the mixture:

> 2000 mg/kg

LD50 (Dermal) of the mixture:

Not classified (no significant component)

DIMETHYLETHER

LD50 (Oral)

> 2000 mg/kg

LD50 (Dermal)

> 2000 mg/kg

LC50 (Inhalation)

308,5 mg/l/4 h ratto

ISOBUTANE

LD50 (Oral)

> 2000 mg/kg

LD50 (Dermal)

> 2000 mg/kg

LC50 (Inhalation)

> 5 mg/l/4h

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TCPP_TRIS (2-CHLORO-1-METHYLETHYL) PHOSPHATE- MULTICONSTITUENT SUBSTANCE

LD50 (Oral) 632 mg/kg Rat

LD50 (Dermal) > 2000 mg/kg

LC50 (Inhalation) > 20 mg/l/4h

4,4'-METHYLENE DIPHENYL DIISOCYANATE, ISOMERS AND HOMOLOGUES

LD50 (Oral) > 2000 mg/kg

LD50 (Dermal) > 2000 mg/kg

LC50 (Inhalation) 11 mg/l/4h

PROPANE

LD50 (Oral) > 2000 mg/kg

LD50 (Dermal) > 2000 mg/kg

LC50 (Inhalation) > 5 mg/l/4 h

1,1-DIFLUOROETHANE

LD50 (Oral) > 2000 mg/kg

LD50 (Dermal) > 2000 mg/kg

LC50 (Inhalation) > 5 mg/l/4 h

POLYMER WITH 2-BUTYNE-1,4-DIOL AND (CHLOROMETHYL)-OXIRANE, BROMINATED, DEHYDROCHLORINATED, METHOXYLATED

LD50 (Oral) 917 mg/kg

LD50 (Dermal) > 2000 mg/kg

LC50 (Inhalation) > 20 mg/l/4h

TRIETHYLPHOSPHATE

LD50 (Oral) 500 mg/kg

LD50 (Dermal) > 2000 mg/kg

LC50 (Inhalation) > 20 mg/l/4h

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

Sensitising for the respiratory system

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Suspected of causing cancer

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

May cause respiratory irritation

STOT - REPEATED EXPOSURE

May cause damage to organs

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

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12. Ecological information

12.1. Toxicity

Information not available

12.2. Persistence and degradability

Information not available

12.3. Bioaccumulative potential

ISOBUTANE

Partition coefficient: n-octanol/water 2,76

BCF 27

PROPANE

Partition coefficient: n-octanol/water 2,86

BCF 13

12.4. Mobility in soil

Isobutane - Volatility (Henry) = $1,206E + 5 \text{ Pa}\cdot\text{m}^3/\text{mol}$; Surface tension = $9,84E-3 \text{ N/m}$ (25 °C)

Dimethyl ether - Surface tension = $1,136E-2 \text{ N/m}$ (25 °C)

PROPANE - Volatility (Henry) = $7,164E + 4 \text{ Pa}\cdot\text{m}^3/\text{mol}$; Surface tension = $7,02E-3 \text{ N/m}$ (25 °C)

Triethylphosphate - Surface tension $0,029610 \text{ N/m}$ (25 °C)

ISOBUTANE - Partition coefficient: soil/water 35

PROPANE - Partition coefficient: soil/water 460 mg/l

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

The valid EEC waste code are largely source-related; the manufacturer is, therefore, unable to specify waste code for products used in various sectors. CER-code (suggested): 16 05 04.

REGULATION (EU) No. 1357/2014: HP3 Flammable, HP4 Irritant, HP5 Specific toxicity for target organs (STOT) / Toxicity in case of aspiration, HP6 Acute toxicity, HP13 sensitizing, HP7 Carcinogen

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14. Transport information

14.1 UN number

ADR / RID, IMDG, IATA: 1950

14.2 UN proper shipping name

ADR / RID: AEROSOL
IMDG: AEROSOLS
IATA: AEROSOLS, FLAMMABLE

14.3 Transport hazard class(es)

ADR / RID:	Class: 2	Label: 2.1	
IMDG:	Class: 2	Label: 2.1	
IATA	Class: 2	Label: 2.1	

14.4 Packing group

ADR / RID, IMDG, IATA: -

14.5 Environmental hazards:

ADR / RID: NO
IMDG: NO
IATA: NO

14.6 Special precautions for user

ADR / RID:	HIN - Kemler: -- Special Provision: -	Limited Quantities: 1 L	Tunnel restriction code: (D)
IMDG	EMS: F-D, S-U	Limited Quantities: 1 L	
IATA	Cargo: Pass.:	Maximum quantity: 150 Kg Maximum quantity: 75 Kg	Packaging instructions: 203 Packaging instructions: 203
	Special Instructions:	A145, A167, A802	

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

Information not relevant

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15. Regulatory information

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

Seveso Category - Directive 2012/18/EC: P3a

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product Point 40

Contained substance Point 56 4,4'-methylene diphenyl diisocyanate, isomers and homologues Reg. no.: No applic.

Substances in Candidate List (Art. 59 REACH):

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH):

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

Use of this product may cause allergic reactions in individuals already sensitized to diisocyanates.

Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

This product should not be used under conditions of poor ventilation unless you use a protective mask with an appropriate gas filter (ie type A1 according to standard EN 14387)

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

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16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Gas 1	Flammable gas, category 1
Aerosol 1	Aerosol, category 1
Aerosol 3	Aerosol, category 3
Press. Gas	Pressurised gas
Carc. 2	Carcinogenicity, category 2
Acute Tox. 4	Acute toxicity, category 4
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Resp. Sens. 1	Respiratory sensitization, category 1
Skin Sens. 1	Skin sensitization, category 1
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: may burst if heated.
H280	Contains gas under pressure; may burst if heated.
H351	Suspected of causing cancer.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H319	Causes serious eye irritation
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
EUH204	Contains isocyanates. May produce an allergic reaction.

SAFETY DATA SHEET

According to Annex II to REACH - Regulation 2015/830

BRR01

Polyurethane foam (Aerosols); sealing and insulation for buildings.

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LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

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Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.