

Safety Data Sheet

Resin Bonded Pro - Part B

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

Resin Bonded Pro - Part B

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

Relevant identified uses of the substance or mixture

None known.

Restricted to professional users.

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

The Resin Mill Ltd

Units 7 & 8, The Ringway Centre

Beck Road, Huddersfield

West Yorkshire, HD1 5DG

United Kingdom

01 484 400855

E-mail

sales@resinmill.co.uk

Revision

04/12/2023

SDS Version

2.0

Date of previous version

04/12/2023 (1.0)

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.

Skin Sens. 1; H317, May cause an allergic skin reaction.

Eye Irrit. 2; H319, Causes serious eye irritation.

Acute Tox. 4; H332, Harmful if inhaled.

Resp. Sens. 1; H334, May cause allergy or asthma symptoms or breathing difficulties if inhaled.

STOT SE 3; H335, May cause respiratory irritation.

Carc. 2; H351, Suspected of causing cancer.

STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Causes skin irritation. (H315)

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May cause an allergic skin reaction. (H317)
 Causes serious eye irritation. (H319)
 Harmful if inhaled. (H332)
 May cause allergy or asthma symptoms or breathing difficulties if inhaled. (H334)
 May cause respiratory irritation. (H335)
 Suspected of causing cancer. (H351)
 May cause damage to organs through prolonged or repeated exposure. (H373)

Precautionary statement(s)

General

-

Prevention

Do not breathe vapour/mist. (P260)

[In case of inadequate ventilation] wear respiratory protection. (P284)

Response

IF INHALED: Remove person to fresh air and keep comfortable for breathing. (P304+P340)

Get medical advice/attention if you feel unwell. (P314)

Storage

Store in a well-ventilated place. Keep container tightly closed. (P403+P233)

Disposal

Dispose of contents/container in accordance with local regulation (P501)

▼ Hazardous substances

Isocyanic acid, polymethylenepolyphenylene ester

4,4'-methylenediphenyl diisocyanate

o-(p-isocyanatobenzyl)phenyl isocyanate

o-(p-isocyanatobenzyl)phenyl isocyanate; methylenediphenyl diisocyanate; 4,4'-methylenediphenyl

diisocyanate; 2,2'-methylenediphenyl diisocyanate; diphenylmethane-2,4'-diisocyanate; diphenylmethane-4,4'-diisocyanate; diphenylmethane-2,2'-diisocyanate

2,4-dioxo-1,3-diazetidine-1,3-diylbis[p-phenylenemethylene-p-phenylene] diisocyanate

Isocyanic acid, polymethylenepolyphenylene ester, polymer with alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl)

Additional labelling

EUH204, Contains isocyanates. May produce an allergic reaction.

As from 24 August 2023 adequate training is required before industrial or professional use.

2.3. Other hazards

Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. ▼ Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Isocyanic acid, polymethylenepolyphenylene ester	CAS No.: 901 6-87-9 EC No.: 61 8-498-9 UK-REACH: Index No.:	60-80%	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373	[3]
4,4'-methylenediphenyl diisocyanate	CAS No.: 1 01 -68-8 EC No.: 202-966-0 UK-REACH: Index No.: 61 5-005-00-9	15-25%	EUH204 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332	[3]

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			Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373	
o-(p-isocyanatobenzyl)phenyl isocyanate	CAS No.: 5873-54-1 EC No.: 227-534-9 UK-REACH: Index No.: 61 5-005-00-9	1-3%	EUH204 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373	[3]
o-(p-isocyanatobenzyl)phenyl isocyanate;methylenediphenyl diisocyanate;4,4'-methylenediphenyl diisocyanate;2,2'-methylenediphenyl diisocyanate;diphenylmethane-2,4'-diisocyanate;diphenylmethane-4,4'-diisocyanate;diphenylmethane-2,2'-diisocyanate	CAS No.: 2536-05-2 EC No.: 21 9-799-4 UK-REACH: Index No.: 61 5-005-00-9	<1 %	EUH204 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373	[3]
2,4-dioxo-1,3-diazetidene-1,3-diylbis[p-phenylenemethylene-p-phenylene] diisocyanate	CAS No.: 1 7589-24-1 EC No.: 241 -559-2 UK-REACH: Index No.:	<1 %	EUH204 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373	[3]
Isocyanic acid, polymethylenepolyphenylene ester, polymer with alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl)	CAS No.: 57636-09-6 EC No.: 854-1 54-6 UK-REACH: Index No.:	<1 %	Skin Irrit. 2, H315 Skin Sens. 1 B, H317 Acute Tox. 4, H332 Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373	

See full text of H-phrases in section 1 6. Occupational exposure limits are listed in section 8, if these are available.

Other information

[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If

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breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact

If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns

Not applicable.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

If exposed or concerned:

Get immediate medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Nitrogen oxides (NO_x)

Carbon oxides (CO / CO₂)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact

The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

Ensure adequate ventilation, especially in confined areas.

Avoid inhalation of vapours from spilled material.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

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See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid direct contact with the product.
Avoid contact during pregnancy and while nursing.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

Always store in containers of the same material as the original container.

Storage temperature

No specific requirements

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

DNEL

4,4'-methylenediphenyl diisocyanate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	25 µg/m ³
Long term – Local effects - Workers	Inhalation	50 µg/m ³
Short term – Local effects - General population	Inhalation	50 µg/m ³
Short term – Local effects - Workers	Inhalation	1 00 µg/m ³

o-(p-isocyanatobenzyl)phenyl isocyanate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	25 µg/m ³
Long term – Local effects - Workers	Inhalation	50 µg/m ³
Short term – Local effects - General population	Inhalation	50 µg/m ³
Short term – Local effects - Workers	Inhalation	1 00 µg/m ³

o-(p-isocyanatobenzyl)phenyl isocyanate;methylenediphenyl diisocyanate;4,4'-methylenediphenyl diisocyanate;2,2'-methylenediphenyl diisocyanate;diphenylmethane-2,4'-diisocyanate;diphenylmethane-4,4'-diisocyanate;diphenylmethane-2,2'-diisocyanate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	25 µg/m ³
Long term – Local effects - Workers	Inhalation	50 µg/m ³
Short term – Local effects - General population	Inhalation	50 µg/m ³
Short term – Local effects - Workers	Inhalation	1 00 µg/m ³

PNEC

4,4'-methylenediphenyl diisocyanate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		3.7 µg/L
Freshwater sediment		11.7 mg/kg

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Intermittent release (freshwater)	37 µg/L
Marine water	370 ng/L
Marine water sediment	1.17 mg/kg
Soil	2.33 mg/kg

o-(p-isocyanatobenzyl)phenyl isocyanate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		3.7 µg/L
Freshwater sediment		11.7 mg/kg
Intermittent release (freshwater)		37 µg/L
Marine water		370 ng/L
Marine water sediment		1.17 mg/kg
Soil		2.33 mg/kg

o-(p-isocyanatobenzyl)phenyl isocyanate;methylenediphenyl diisocyanate;4,4'-methylenediphenyl diisocyanate;2,2'-methylenediphenyl diisocyanate;diphenylmethane-2,4'-diisocyanate;diphenylmethane-4,4'-diisocyanate;diphenylmethane-2,2'-diisocyanate

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		3.7 µg/L
Freshwater sediment		11.7 mg/kg
Intermittent release (freshwater)		37 µg/L
Marine water		370 ng/L
Marine water sediment		1.17 mg/kg
Soil		2.33 mg/kg

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

Do not recirculate outlet air that contain the substances.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures

Take off contaminated clothing and wash it before reuse.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Persons already sensitised to diisocyanates may develop allergic reactions when using this product. 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 a protective mask with an appropriate gas filter (e.g. type A1 according to standard EN 14387) is used.

Use only UKCA marked protective equipment.

Respiratory Equipment

Type	Class	Colour	Standards
Combination filter A2P2	Class 2	Brown/White	EN1 4387



Skin protection

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Recommended	Type/Category	Standards	
Dedicated work clothing should be worn.	-	-	
Hand protection			
Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Cotton/Latex	-	> 480	EN374-2, EN374-3, EN388
			
Eye protection			
Type	Standards		
Safety glasses with side shields.	EN166		
			

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Testing not relevant or not possible due to the nature of the product.

Odour / Odour threshold

Testing not relevant or not possible due to the nature of the product.

pH

Testing not relevant or not possible due to the nature of the product.

Density (g/cm³)

Testing not relevant or not possible due to the nature of the product.

Kinematic viscosity

Testing not relevant or not possible due to the nature of the product.

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)

Testing not relevant or not possible due to the nature of the product.

Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

Boiling point (°C)

Testing not relevant or not possible due to the nature of the product.

Vapour pressure

Testing not relevant or not possible due to the nature of the product.

Relative vapour density

Testing not relevant or not possible due to the nature of the product.

Decomposition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

Data on fire and explosion hazards

Flash point (°C)

Testing not relevant or not possible due to the nature of the product.

Flammability (°C)

Testing not relevant or not possible due to the nature of the product.

Auto-ignition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to the nature of the product.

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Solubility

Solubility in water

Testing not relevant or not possible due to the nature of the product.

n-octanol/water coefficient

Testing not relevant or not possible due to the nature of the product.

Solubility in fat (g/L)

Testing not relevant or not possible due to the nature of the product.

9.2. Other information

Other physical and chemical parameters

No data available.

Oxidizing properties

Testing not relevant or not possible due to the nature of the product.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Harmful if inhaled.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

Carcinogenic effects: This product contains substances considered or proven to be carcinogenic. The carcinogenic effects may be triggered subsequent to exposure through inhalation, skin contact or ingestion.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs.

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Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Endocrine disrupting properties
This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information
Isocyanic acid, polymethylenepolyphenylene ester has been classified by IARC as a group 3 carcinogen.
4,4'-methylenediphenyl diisocyanate has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

- 12.1. Toxicity
No data available.
- 12.2. Persistence and degradability
No data available.
- 12.3. Bioaccumulative potential
No data available.
- 12.4. Mobility in soil
No data available.
- 12.5. Results of PBT and vPvB assessment
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
- 12.6. Endocrine disrupting properties
This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.
- 12.7. Other adverse effects
None known.

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Product is covered by the regulations on hazardous waste.
HP 4 - Irritant (skin irritation and eye damage)
HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 6 - Acute toxicity
HP 7 - Carcinogenic
HP 13 - Sensitising
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
EWC code
Not applicable.
- Contaminated packing**
Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information
Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user
Not applicable.

14.7. Maritime transport in bulk according to IMO instruments
No data available.

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SECTION 15: Regulatory information

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

Restrictions for application

Restricted to professional users.

People under the age of 18 shall not be exposed to this product.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

Use of this product requires dedicated training in work with polyurethane and epoxy products.

SEVESO - Categories / dangerous substances

Not applicable.

▼ REACH, Annex XVII

Isocyanic acid, polymethylenepolyphenylene ester is subject to restrictions, UK-REACH annex XVII (entry 74).

4,4'-methylenediphenyl diisocyanate is subject to restrictions, UK-REACH annex XVII (entry 56 ; 74).

o-(p-isocyanatobenzyl)phenyl isocyanate is subject to restrictions, UK-REACH annex XVII (entry 56 ; 74).

o-(p-isocyanatobenzyl)phenyl isocyanate;methylenediphenyl diisocyanate;4,4'-methylenediphenyl diisocyanate;2,2'-methylenediphenyl diisocyanate;diphenylmethane-2,4'-diisocyanate;diphenylmethane-4,4'-diisocyanate;diphenylmethane-2,2'-diisocyanate is subject to restrictions, UK-REACH annex XVII (entry 56 ; 74).
2,4-dioxo-1,3-diazetidene-1,3-diylbis[p-phenylenemethylene-p-phenylene] diisocyanate is subject to restrictions, UK-REACH annex XVII (entry 74).

Additional information

Not applicable.

Sources

The Management of Health and Safety at Work Regulations 1999.

The Health and Safety at Work etc. Act 1974 Regulations 2013.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H314, Causes skin irritation.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.

H332, Harmful if inhaled.

H334, May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335, May cause respiratory irritation.

H351, Suspected of causing cancer.

H373, May cause damage to organs through prolonged or repeated exposure.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

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ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en