



Gorilla Heavy Duty Expanding Foam

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

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

1.1 Product identifier

Product Name	Gorilla Heavy Duty Expanding Foam
CAS No.	Not applicable.
EC No.	Not applicable.
REACH Registration No.	Not applicable.
Unique Formula Identifier (UFI)	JS00-A0V9-E007-N0RR

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

Identified Use(s)	Sealants.
Uses Advised Against	Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer	
Company Identification	Gorilla Glue Europe Ltd
Address of Manufacturer	26 Eaton Avenue Matrix Park, Buckshaw Village Chorley, Lancashire
Postal code	PR7 7NA
Telephone:	01257 241 319
E-mail	Eucustomercare@gorillaglue.com
Office hours	08:30 - 17:00
Supplier	
Company Identification	GG Brands Netherlands B.V.
Address of Supplier	Lichttoren 32 5611 BJ, Eindhoven
Telephone:	+31 85 064 4029
E-mail	eu-regulatory@gorillaglue.com
Office hours	08:30 - 17:00

1.4 Emergency telephone number

Supplier Contact:	Stuart Shotton
Emergency Phone No.	+44 (0)843 507 1200

Northern Ireland:	NHS Direct
Emergency Phone No.	+44 111 (24 hours)

Republic of Ireland:	NPIC Ireland
Emergency Phone No.	+353 (0) 1 809 2166 (8am - 10pm)



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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Aerosol 1 :Extremely flammable aerosol. Pressurised container: May burst if heated.
Skin Irrit. 2 :Causes skin irritation.
Skin Sens. 1 :May cause an allergic skin reaction.
Eye Irrit. 2 :Causes serious eye irritation.
Resp. Sens. 1 :May cause allergy or asthma symptoms or breathing difficulties if inhaled.
STOT SE 3 :May cause respiratory irritation.
Carc. 2 :Suspected of causing cancer.
Lact. :May cause harm to breast-fed children.
STOT RE 2 :May cause damage to organs through prolonged or repeated exposure.
Aquatic Chronic 2 : Toxic to aquatic life with long lasting effects.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)
Product Name Gorilla Heavy Duty Expanding Foam

Hazard Pictogram(s)



GHS02



GHS08



GHS07

Signal Word(s)

Danger

Hazard Statement(s)

H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.
H362: May cause harm to breast-fed children.
H373: May cause damage to organs through prolonged or repeated exposure.
H413: May cause long lasting harmful effects to aquatic life.
EUH204: Contains isocyanates. May produce an allergic reaction.

Precautionary Statement(s)

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P201: Obtain special instructions before use.



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P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211: Do not spray on an open flame or other ignition source.

P251: Do not pierce or burn, even after use.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 ° C/ 122° F.

P501: Dispose of contents in accordance with local, state or national legislation.

Unique Formula Identifier (UFI)

JS00-A0V9-E007-N0RR

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Isocyanic acid, polymethylenepolyphenylene ester	9016-87-9	618-498-9	30-50	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	GHS08 GHS07
Alkanes, C14-17, chlorochlorinated paraffins, C14-17	85535-85-9	287-477-0 01-2119519269-33-XXXX	10-20	Lact. H362 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 EUH066	GHS09
Isobutane	75-28-5	200-857-2 01-2119485395-27-XXXX	10-20	Flam. Gas 1A H220 Press. Gas (Liq.) H280	GHS02 GHS04
Glycerol, propoxylated	25791-96-2	500-044-5	5-10	Acute Tox. 4 H302	GHS07
Propane-1,2-diol, propoxylated	25322-69-4	500-039-8	5-10	Acute Tox. 4 H302	GHS07
Dimethyl ether	115-10-6	204-065-8 01-2119472128-37-XXXX	2.5-10	Flam. Gas 1A H220 Press. Gas (Comp.) H280	GHS02 GHS04
Propane	74-98-6	200-827-9 01-2119486944-21-	2.5-10	Flam. Gas 1A H220 Press. Gas H280	GHS02 GHS04



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		XXXX			
Reaction products of phosphoryl trichloride and 2-methyloxirane	1244733-77-4	807-935-0 01-2119486772-26-XXXX	2.5-10	Acute Tox. 4 H302 Aquatic Chronic 3 H412	GHS07
Butane	106-97-8	203-448-7 01-2119474691-32-XXXX	0.1-5	Flam. Gas 1A H220 Press. Gas (Liq.) H280	GHS02 GHS04
2,2'-dimorpholinyl diethyl ether	6425-39-4	229-194-7 01-2119969278-20-XXXX	0.1-1	Eye Irrit. 2 H319	GHS07
2,2'-oxybisethanol	111-46-6	203-872-2 01-2119457857-21-XXXX	0.01-0.1	Acute Tox. 4 H302	GHS07
Decamethylcyclopentasiloxane	541-02-6	208-764-9 01-2119511367-43-XXXX	<0.01	Not classified	None
Dodecamethylcyclohexasiloxane	540-97-6	208-762-8 01-2119517435-42-XXXX	<0.01	Not classified	None
Octamethylcyclotetrasiloxane	556-67-2	209-136-7	<0.01	Repr. 2 H361f Aquatic Chronic 1 H410	GHS08 GHS09

HAZARDOUS INGREDIENT(S)	CAS No.	Specific Concentration Limit	M-factor	ATE
Isocyanic acid, polymethylenepolyphenylene ester	9016-87-9			Acute Tox. 4 (H332) : 11
Glycerol, propoxylated	25791-96-2			Acute Tox. 4 (H302) : 500
Propane-1,2-diol, propoxylated	25322-69-4			Acute Tox. 4 (H302) : 1000
Reaction products of phosphoryl trichloride and 2-methyloxirane	1244733-77-4			Acute Tox. 4 (H302) : 632
2,2'-oxybisethanol	111-46-6			Acute Tox. 4 (H302) : 500
Octamethylcyclotetrasiloxane	556-67-2		Aquatic Chronic 1: 10	

Contains a non-classified vPvB substance: Decamethylcyclopentasiloxane (541-02-6, 208-764-9)

Dodecamethylcyclohexasiloxane (540-97-6, 208-762-8).

Contains no non-classified substances with a Union workplace exposure limit.

For full text of H/P Statements see section 16.



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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell. If experiencing respiratory symptoms: Call a POISON CENTRE/doctor.
Skin Contact	Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Unlikely route of exposure. Wash out mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

Causes irritation to eyes and skin. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause harm to breast-fed children. May cause damage to organs through prolonged or repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

Extremely flammable aerosol. Contains gas under pressure; may explode if heated.

5.1 Extinguishing media

Suitable Extinguishing media	If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers.
Unsuitable extinguishing media	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Heating may cause pressure rise with risk of bursting. Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. Keep fire exposed containers cool by spraying with water.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate sources of ignition. Provide adequate ventilation. Do not breathe spray. Wear appropriate personal protective equipment, avoid direct contact. Contaminated work clothing should not be allowed out of the workplace. Wash hands and exposed skin thoroughly after handling.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Collect mechanically and dispose of according to Section 13. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Collect spillage. Transfer to a container for disposal.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe spray. Avoid contact during pregnancy and while nursing. Avoid contact with skin and eyes. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. Do not eat, drink or smoke when using this product. Wash hands and exposed skin thoroughly after handling. If medical advice is needed, have product container or label at hand. Keep out of reach of children.

7.2 Conditions for safe storage, including any incompatibilities

Protect from sunlight. Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Storage temperature

Do not expose to temperatures exceeding 50° C/ 122° F.

Storage life

Stable under normal conditions.

Incompatible materials

Strong oxidising agents, Strongly acidic, Strongly alkaline.

7.3 Specific end use(s)

Sealants.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Dimethyl ether	115-10-6	400	766	500	958	
Butane	106-97-8	600	1450	750	1810	(b)
2,2'-Oxydiethanol	111-46-6	23	101			

Region: United Kingdom
 Source: UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark: (b)
 Notes: Carc. (only applies if Butane contains more than 0.1% of buta-1,3-diene)

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection Wear eye protection with side protection (EN166).



Skin protection Wear protective clothing and gloves: Impervious gloves (EN 374).
 Breakthrough time of the glove material: refer to the information provided by the gloves' producer.



Respiratory protection Wear respiratory protection.



Thermal hazards Not applicable.

8.2.3. Environmental Exposure Controls Avoid release to the environment.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Aerosol
Colour	Grey
Odour	Not known.
Melting point/freezing point	Not known.
Boiling point or initial boiling point and boiling range	-12° C (Aerosol propellant)
Flammability	Not applicable.
Lower and upper explosion limit	Not known.
Flash Point	Not applicable.
Auto-ignition temperature	460° C (Aerosol propellant)
Decomposition Temperature	Not known.
pH	Not known.
Kinematic Viscosity	Not applicable.
Solubility	Solubility (Water) : Not known. Solubility (Other) : Not known.
Partition coefficient n-octanol/water (log value)	Not applicable.
Vapour pressure	>300 kPa @ 50° C
Density and/or relative density	Density (g/ml) : 963 kg/m ³ @ 20° C
Relative vapour density	Not applicable.
Particle characteristics	Not applicable.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Keep away from heat, sources of ignition and direct sunlight.

10.5 Incompatible materials

Strong oxidising agents, Strongly acidic, Strongly alkaline.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

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



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Acute toxicity - Ingestion	Calculation method : Not classified. Calculated acute toxicity estimate (ATE): 2848.08 Low oral toxicity.
Acute toxicity - Skin Contact	Calculation method : Not classified. Low acute toxicity.
Acute toxicity - Inhalation	Calculation method : Not classified. Calculated acute toxicity estimate (ATE): 34.38 Low acute toxicity.
Skin corrosion/irritation	Calculation method : Causes skin irritation. No data.
Serious eye damage/irritation	Calculation method : Causes serious eye irritation. No data.
Skin sensitization data	Calculation method : May cause an allergic skin reaction. No data.
Respiratory sensitization data	Calculation method : May cause allergy or asthma symptoms or breathing difficulties if inhaled. No data.
Germ cell mutagenicity	Calculation method : Not classified. There is no evidence of mutagenic potential.
Carcinogenicity	Calculation method : Suspected of causing cancer. No data.
Reproductive toxicity	Calculation method : Not classified. No evidence of reproductive effects.
Lactation	Calculation method : May cause harm to breast-fed children. No data.
STOT - single exposure	Calculation method : May cause respiratory irritation. No data.
STOT - repeated exposure	Calculation method : May cause damage to organs through prolonged or repeated exposure. No data.
Aspiration hazard	Calculation method : Not classified.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

None known.

11.2.2 Other hazards

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

	Toxic to aquatic life with long lasting effects.
Toxicity - Aquatic invertebrates	No data.
Toxicity - Fish	No data.
Toxicity - Algae	No data.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

Part of the components are biodegradable.

12.3 Bioaccumulative potential

The product has low potential for bioaccumulation.

12.4 Mobility in soil

No information on this formulation.



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12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty.

Non-emptied aerosol : Dispose of wastes in an approved waste disposal facility.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

UN No. 1950

14.2 UN proper shipping name

UN proper shipping name AEROSOLS

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class 2

ADR Classification Code 5F

Special Provisions 190 327 344 625

Limited Quantities 1 L

Excepted Quantities E0

Mixed Packing Instructions for Packages P207 LP200

Special Packing Provisions for Packages PP87 RR6 L2

Mixed Packing Instructions for Packages MP9

ADR Transport Category 2

Tunnel Restriction Code D

Special Provisions for Carriage - Packages V14

Special Provisions for Carriage - Loading, Unloading and Handling CV9 CV12

Special Provisions for Carriage - Operation S2

IMDG

IMDG Class 2

Special Provisions 190 327 344 625

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Limited Quantities	1 L
Excepted Quantities	E0
Mixed Packing Instructions for Packages	P207 LP200
Special Packing Provisions for Packages	PP87 RR6 L2
IMDG EMS	F-D, S-U
Stowage and Handling	SW1 SW22
Segregation	SG69
ICAO/IATA	
IATA Proper Shipping Name	AEROSOLS
Excepted Quantities	E0
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y203
Passenger and Cargo Aircraft Limited Quantities Max net Qty	30Kg G
Passenger and Cargo Aircraft Packing Instructions	203
Passenger and Cargo Aircraft Max net Qty	75Kg
Cargo Aircraft Packing Instructions	203
Cargo Aircraft Max net Qty	150Kg
Special Provisions	A145, A167, A802
Emergency Response Guidebook (ERG) Code	10L
Labels	
Labels	2.1

**14.4 Packing group**

Packing group Not applicable.

14.5 Environmental hazards

Environmental hazards Classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

14.7 Maritime transport in bulk according to IMO instruments

No information available



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SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Alkanes, C14-17, chlorochlorinated paraffins, C14-17 (85535-85-9), Decamethylcyclopentasiloxane (541-02-6), Dodecamethylcyclohexasiloxane (540-97-6), Octamethylcyclotetrasiloxane (556-67-2)

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Isobutane (75-28-5), Butane (106-97-8), Decamethylcyclopentasiloxane (541-02-6), octamethylcyclotetrasiloxane (556-67-2), Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9), Alkanes, C14-17, chlorochlorinated paraffins, C14-17 (85535-85-9), Glycerol, propoxylated (25791-96-2), Propane-1,2-diol, propoxylated (25322-69-4), Dimethyl ether (115-10-6), Propane (74-98-6), Reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4), 2,2'-dimorpholinyl-diethyl ether (6425-39-4), 2,2'-oxybisethanol (111-46-6)

Community Rolling Action Plan (CoRAP) Alkanes, C14-17, chlorochlorinated paraffins, C14-17 (85535-85-9), Reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4), 2,2'-oxydiethanol (111-46-6)

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

National regulations

Other Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.



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SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16

LEGEND

Hazard Pictogram(s)



GHS02



GHS08



GHS07



GHS09

GHS04: GHS: Gas cylinder

Hazard classification

Flam. Gas 1A : Flammable gas Category 1A

Aerosol 1 : Aerosol, Category 1

Press. Gas : Gases under pressure

Press. Gas (Comp.) : Gases under pressure, Compressed gas

Press. Gas (Liq.) : Gases under pressure, Liquefied gas

Acute Tox. 4 : Acute toxicity, Category 4

Skin Irrit. 2 : Skin corrosion/irritation, Category 2

Skin Sens. 1 : Skin sensitization, Category 1

Eye Irrit. 2 : Serious eye damage/irritation, Category 2

Resp. Sens. 1 : Respiratory sensitization, Category 1

STOT SE 3 : Specific target organ toxicity — single exposure, Category 3

Carc. 2 : Carcinogenicity, Category 2

Repr. 2 : Reproductive toxicity, Category 2

Lact. : Lactation

STOT RE 2 : Specific target organ toxicity — repeated exposure, Category 2

Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1

Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1

Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2

Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3

Hazard Statement(s)

H220: Extremely flammable gas.

H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated.

H280: Contains gas under pressure; may explode if heated.

H302: Harmful if swallowed.

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.



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H351: Suspected of causing cancer.
H361f: Suspected of damaging fertility.
H362: May cause harm to breast-fed children.
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 to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.
EUH204: Contains isocyanates. May produce an allergic reaction.
EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary Statement(s)

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Do not pierce or burn, even after use.
P260: Do not breathe spray.
P263: Avoid contact during pregnancy and while nursing.
P264: Wash hands and exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P284: In case of inadequate ventilation wear respiratory protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
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.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P312: Call a POISON CENTRE/doctor if you feel unwell.
P314: Get medical advice/attention if you feel unwell.
P321: Specific treatment (see Medical Advice on this label).
P332+P313: If skin irritation occurs: Get medical advice/attention.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P342+P311: If experiencing respiratory symptoms: Call a POISON CENTRE/doctor.
P362+P364: Take off contaminated clothing and wash it before reuse.
P391: Collect spillage.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding



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50° C/ 122° F.

P501: Dispose of contents in accordance with local, state or national legislation.

P502: Refer to manufacturer or supplier for information on recovery or recycling.

Acronyms

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE : Acute Toxicity Estimate
CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
EC : European Community
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations
vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS Regulation (EC) No. 1272/2008 (CLP)

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