

DPW3294 Adhesive

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

PRODUCT NAME: 24668 DRAPER PLASTIC WELD DPW3294(ADHESIVE)
APPLICATIONS: ADHESIVE
SUPPLIER: Draper Tools Ltd
Hursley Road
Chandlers Ford
Eastleigh
Hampshire
SO53 1YF
Draper Helpline +44 (0) 2380 494344

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Flam. Liq. 2 - H225

Health hazards

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335

Environmental hazards

Not Classified

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

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

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing vapour/spray.

P264 Wash contaminated skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

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

P302+P352 IF ON SKIN: Wash with plenty of water.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

P312 Call a POISON CENTER/doctor 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.

P362+P364 Take off contaminated clothing and wash it before reuse.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

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

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/container in accordance with national regulations.

Contains

methyl methacrylate, methacrylic acid

2.3. Other hazards**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

methyl methacrylate	30-60%
CAS number: 80-62-6 EC number: 201-297-1	
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	
STOT SE 3 - H335	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
methacrylic acid	1-5%
CAS number: 79-41-4 EC number: 201-204-4	
Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H312	
Acute Tox. 4 - H302	
Skin Corr. 1A - H314	
STOT SE 3 - H335	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.

Ingestion

Do not induce vomiting. Give plenty of water to drink. Get medical attention.

Skin contact

Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention if symptoms are severe or persist after washing.

Eye contact

Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if irritation persists after washing.

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

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish with foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards

The product is highly flammable. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

5.3. Advice for firefighters

Protective actions during firefighting

Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Do not use water jet as an extinguisher, as this will spread the fire. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage.

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

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Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Provide adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required. Avoid contact with skin and eyes. Take precautionary measures against static discharges. Ground/bond container and receiving equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Advice on general occupational hygiene

When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

Wear chemical splash goggles.

Hand protection

Wear protective gloves made of the following material: Rubber (natural, latex).

Other skin and body protection

Wear apron or protective clothing in case of contact.

Hygiene measures

Provide eyewash station. Do not eat, drink or smoke when using this product. Good personal hygiene procedures should be implemented. Wash promptly with soap and water if skin becomes contaminated.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Paste.

Colour

White/off-white.

Odour

Slight pungent.

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Odour threshold

No information available.

pH

pH (diluted solution): 30.-3.5

Melting point

No information available.

Initial boiling point and range

101°C @

Flash point

10°C TCC (Tag closed cup).

Evaporation rate

3 (butyl acetate = 1)

Upper/lower flammability or explosive limits

: 2.1-12.5

Vapour pressure

28 mm Hg @ 20°C

Vapour density

> 1

Solubility(ies)

No information available.

Partition coefficient

No information available.

Auto-ignition temperature

No information available.

Decomposition Temperature

No information available.

Oxidising properties

Not available.

9.2. Other information

Other information

No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Strong oxidising agents. Strong reducing agents.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended. May polymerise.

10.3. Possibility of hazardous reactions

May polymerise.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid

Avoid contact with the following materials: Oxidisers Reducing agents. Alkalis - inorganic. Alkalis - organic.

10.6. Hazardous decomposition products

DPW3294 Adhesive**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity - oral**

ATE oral (mg/kg)

50,000.0

Acute toxicity - dermal

ATE dermal (mg/kg)

110000.0

Inhalation

Vapours in high concentrations are narcotic. Vapours in high concentrations are anaesthetic. Vapours may cause headache, fatigue, dizziness and nausea. Vapour may affect central nervous system.

Ingestion

Irritating. May cause stomach pain or vomiting.

Skin contact

May be absorbed through the skin. Irritating to skin. Prolonged or repeated exposure may cause severe irritation. May cause sensitisation by skin contact.

Eye contact

Irritating to eyes. Symptoms following overexposure may include the following: Corneal damage.

Target organs

Liver Kidneys Central nervous system Respiratory system, lungs

SECTION 12: Ecological Information**12.1. Toxicity****12.2. Persistence and degradability****Persistence and degradability**

Methyl methacrylate monomer : Biochemical oxygen demand within 5 days (BOD5) = .14g/g - 0.9g/g

12.3. Bioaccumulative potential**Partition coefficient**

No information available.

12.4. Mobility in soil**Mobility**

Not available

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Not available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****General information**

Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Waste class

08 04 09

DPW3294 Adhesive**SECTION 14: Transport information**

General No other information known.

14.1. UN number

1133

UN No. (ADR/RID) 1133

UN No. (IMDG) 1133

UN No. (ICAO) 1133

14.2. UN proper shipping name

Adhesives

Proper shipping name (ADR/RID) Adhesives

Proper shipping name (IMDG) Adhesives

Proper shipping name (ICAO) Adhesives

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID label No. 3

IMDG class 3

ICAO class/division 3

14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E, S-D

Emergency Action Code 3YE

Hazard Identification Number (ADR/RID) 33

Tunnel restriction code (D/E)

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

Not applicable.

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

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 (as amended). Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2. Chemical safety assessment

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No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 12/09/2014

Supersedes date 03/07/2013

SDS number 4810

Hazard statements in full

- H225 Highly flammable liquid and vapour.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

DPW3294 Activator

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

PRODUCT NAME: 24668 DRAPER PLASTIC WELD DPW3294 (ACTIVATOR)

APPLICATIONS: ADHESIVE

SUPPLIER: Draper Tools Ltd
Hursley Road
Chandlers Ford
Eastleigh
Hampshire
SO53 1YF
Draper Helpline +44 (0) 2380 494344

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Flam. Liq. 2 - H225

Health hazards

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335

Environmental hazards

Not Classified

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

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- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing vapour/spray.
- P264 Wash contaminated skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- 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.
- P312 Call a POISON CENTER/doctor 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.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with national regulations.

Contains

methyl methacrylate

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

methyl methacrylate CAS number: 80-62-6 EC number: 201-297-1	60-100%
Classification Flam. Liq. 2 - H225 STOT SE 3 - H335 Skin Irrit. 2 - H315 Skin Sens. 1 - H317	Classification (67/548/EEC or 1999/45/EC)
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridin CAS number: 34562-31-7 EC number: 252-091-3	5-10%
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312	Classification (67/548/EEC or 1999/45/EC)

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

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4.1. Description of first aid measures

Inhalation

Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.

Ingestion

Do not induce vomiting. Give plenty of water to drink. Get medical attention.

Skin contact

Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention if symptoms are severe or persist after washing.

Eye contact

Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if irritation persists after washing.

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

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish with foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards

The product is highly flammable. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

5.3. Advice for firefighters

Protective actions during firefighting

Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Do not use water jet as an extinguisher, as this will spread the fire. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage.

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

Reference to other sections

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For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Provide adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required. Avoid contact with skin and eyes. Take precautionary measures against static discharges. Ground/bond container and receiving equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Advice on general occupational hygiene

When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

Wear chemical splash goggles.

Hand protection

Wear protective gloves made of the following material: Rubber (natural, latex).

Other skin and body protection

Wear apron or protective clothing in case of contact.

Hygiene measures

Provide eyewash station. Do not eat, drink or smoke when using this product. Good personal hygiene procedures should be implemented. Wash promptly with soap and water if skin becomes contaminated.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Paste.

Colour

Yellow. Black. White.

Odour

Slight pungent.

Odour threshold

DPW3294 Activator

No information available.

pH

pH (diluted solution): 4.5-5.5

Melting point

No information available.

Initial boiling point and range

101°C @

Flash point

10°C TCC (Tag closed cup).

Evaporation rate

3 (butyl acetate = 1)

Upper/lower flammability or explosive limits

: 2.1-12.5

Vapour pressure

28 mm Hg @ 20°C

Vapour density

~ 3.5

Solubility(ies)

No information available.

Partition coefficient

No information available.

Auto-ignition temperature

No information available.

Decomposition Temperature

No information available.

Viscosity

40,000-60,000 cps @ °C

Oxidising properties

Not available.

9.2. Other information

Other information

No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Strong oxidising agents.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended. May polymerise.

10.3. Possibility of hazardous reactions

May polymerise.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid

Avoid contact with the following materials: Oxidising agents.

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10.6. Hazardous decomposition products

Heating may generate the following products: Nitrous gases (NOx). Cyanides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)

10,000.0

Acute toxicity - dermal

ATE dermal (mg/kg)

22000.0

Inhalation

Vapours in high concentrations are narcotic. Vapours in high concentrations are anaesthetic. Vapours may cause headache, fatigue, dizziness and nausea. Vapour may affect central nervous system.

Ingestion

Irritating. May cause stomach pain or vomiting.

Skin contact

May be absorbed through the skin. Irritating to skin. Prolonged or repeated exposure may cause severe irritation. May cause sensitisation by skin contact.

Eye contact

Irritating to eyes. Symptoms following overexposure may include the following: Corneal damage.

Target organs

Liver Kidneys Central nervous system Respiratory system, lungs

SECTION 12: Ecological Information

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability

Methyl methacrylate monomer : Biochemical oxygen demand within 5 days (BOD5) = .14g/g - 0.9g/g

12.3. Bioaccumulative potential

Partition coefficient

No information available.

12.4. Mobility in soil

Mobility

Not available

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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Waste class

08 04 09

SECTION 14: Transport information

General No other information known.

14.1. UN number

1133

UN No. (ADR/RID) 1133

UN No. (IMDG) 1133

UN No. (ICAO) 1133

14.2. UN proper shipping name

Adhesives

Proper shipping name (ADR/RID) Adhesives

Proper shipping name (IMDG) Adhesives

Proper shipping name (ICAO) Adhesives

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID label No. 3

IMDG class 3

ICAO class/division 3

14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E, S-D

Emergency Action Code 3YE

Hazard Identification Number (ADR/RID) 33

Tunnel restriction code (D/E)

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

Not applicable.

SECTION 15: Regulatory information

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

EU legislation

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 (as amended). Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation,

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Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

SDS number 4812

Hazard statements in full

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.