

ALPHA

SAFETY DATA SHEET ALPHASEAL 132

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

1.1. Product identifier

Product name ALPHASEAL 132

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

Identified uses Sealant.

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier Alpha Adhesives & Sealants Ltd
Llewellyn Close
Sandy Lane Ind. Estate
Stourport-on-Severn
Worcs. UK
DY13 9RH
Tel: 0044(0)1299 828626
Fax: 0044(0)1299 828666
Email: sales@alpha-adhesives.co.uk

1.4. Emergency telephone number

Emergency telephone 44 (0) 1299 828626 (Available 08.30 to 17.00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Resp. Sens. 1 - H334 Elicitation - EUH208

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) R42.

Human health The product contains small amounts of organic solvents. May cause sensitisation by inhalation. The product is considered to be a low hazard under normal conditions of use. The product contains a small amount of sensitising substance. May cause sensitisation or allergic reactions in sensitive individuals.

Environmental The product is not expected to be hazardous to the environment.

Physicochemical Closed containers can burst violently when heated, due to excess pressure build-up.

2.2. Label elements

Pictogram



ALPHASEAL 132

| | |
|---------------------------------|--|
| Signal word | Danger |
| Hazard statements | H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Precautionary statements | P261 Avoid breathing vapour/spray. P284 [In case of inadequate ventilation] wear respiratory protection. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor. P501 Dispose of contents/container in accordance with national regulations. |

2.3. Other hazards

When exposed to air, this product will absorb moisture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| | | |
|---|--|---|
| XYLENE | | 1-5% |
| CAS number: 1330-20-7 | EC number: 215-535-7 | REACH registration number: 01-2119488216-32 |
| Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 3 - H331 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 | Classification (67/548/EEC or 1999/45/EC) R10 Xn;R20/21 Xi;R38 | |
| Hydrocarbons,C11-C14.n-alkanes,isoalkanes,cyclics<2%aromatics | | 1-5% |
| CAS number: — | EC number: 926-141-6 | |
| Classification Asp. Tox. 1 - H304 | Classification (67/548/EEC or 1999/45/EC) Xn;R65. R66. | |
| ETHYLBENZENE | | 1-5% |
| CAS number: 100-41-4 | EC number: 202-849-4 | REACH registration number: 01-2119489370-35 |
| Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H332 | Classification (67/548/EEC or 1999/45/EC) F;R11 Xn;R20 | |
| Diiron Trioxide | | 1-5% |
| CAS number: 1309-37-1 | EC number: 215-168-2 | REACH registration number: 01-2119457614-35 |
| Classification Not Classified | Classification (67/548/EEC or 1999/45/EC) - | |

ALPHASEAL 132

| | | |
|--|--|---|
| CALCIUM OXIDE 1-5% | | |
| CAS number: 1305-78-8 | EC number: 215-138-9 | REACH registration number: 01-2119475325-36 |
| Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 | Classification (67/548/EEC or 1999/45/EC) Xi;R41,R37/38. | |
| Calcium Dihydroxide <1% | | |
| CAS number: 1305-62-0 | EC number: 215-137-3 | REACH registration number: 01-2119475151 |
| Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 | Classification (67/548/EEC or 1999/45/EC) Xi;R38,R41. | |
| DIPHENYLMETHANE-4,4'-DI-ISOCYANATE <1% | | |
| CAS number: 101-68-8 | EC number: 202-966-0 | REACH registration number: 01-2119457014-47 |
| Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Carc. 2 - H351 Acute Tox. 4 - H332 STOT SE 3 - H335 STOT RE 2 - H373 STOT SE 3 - H335 | Classification (67/548/EEC or 1999/45/EC) Carc. Cat. 3;R40 Xn;R20,R48/20 Xi;R36/37/38 R42/43 | |
| CARBON BLACK <1% | | |
| CAS number: 1333-86-4 | EC number: 215-609-9 | REACH registration number: 01-2119384822-32 |
| Classification Not Classified | Classification (67/548/EEC or 1999/45/EC) - | |

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

Composition comments The product contains a sensitising substance.

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|----------------------------|---|
| General information | Remove affected person from source of contamination. |
| Inhalation | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. |
| Ingestion | Due to the small packaging, the risk of ingestion is minimal. |

ALPHASEAL 132

| | |
|-----------------------------------|--|
| Skin contact | Wash skin thoroughly with soap and water. |
| Eye contact | Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. |
| Protection of first aiders | First aid personnel should wear appropriate protective equipment during any rescue. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation. |

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

| | |
|----------------------------|---|
| General information | Effects may be delayed. Keep affected person under observation. |
| Inhalation | Vapours may cause drowsiness and dizziness. |
| Ingestion | May cause discomfort if swallowed. |
| Skin contact | Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. |
| Eye contact | May cause temporary eye irritation. |

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

| | |
|-----------------------------|---|
| Notes for the doctor | No specific recommendations. If in doubt, get medical attention promptly. |
|-----------------------------|---|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|---------------------------------------|--|
| Suitable extinguishing media | Extinguish with foam, carbon dioxide or dry powder. |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |

5.2. Special hazards arising from the substance or mixture

| | |
|--------------------------------------|---|
| Specific hazards | Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Oxides of the following substances: Nitrogen. Isocyanate vapours Hydrogen cyanide (HCN). Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. |
| Hazardous combustion products | Heating may generate the following products: Carbon monoxide (CO). Oxides of nitrogen. Isocyanates. |

5.3. Advice for firefighters

| | |
|--|---|
| Protective actions during firefighting | Avoid breathing fire gases or vapours. |
| Special protective equipment for firefighters | Use air-supplied respirator, gloves and protective goggles. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|-----------------------------|-------------------------------|
| Personal precautions | Provide adequate ventilation. |
|-----------------------------|-------------------------------|

6.2. Environmental precautions

| | |
|----------------------------------|--|
| Environmental precautions | Do not discharge into drains or watercourses or onto the ground. |
|----------------------------------|--|

6.3. Methods and material for containment and cleaning up

| | |
|--------------------------------|--|
| Methods for cleaning up | Avoid contact with skin or inhalation of spillage, dust or vapour. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. |
|--------------------------------|--|

6.4. Reference to other sections

ALPHASEAL 132

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks and open flame. Store at temperatures between 5°C and 25°C.

Storage class Store in cool, well ventilated areas with the container tightly closed.

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

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³

ETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 441 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 125 ppm(Sk) 552 mg/m³(Sk)

Diiron Trioxide

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ resp.dust

Short-term exposure limit (15-minute): WEL 10 mg/m³

CALCIUM OXIDE

Long-term exposure limit (8-hour TWA): WEL 2 mg/m³

Calcium Dihydroxide

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³

Short-term exposure limit (15-minute): WEL

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Long-term exposure limit (8-hour TWA): WEL 0.02 mg/m³(Sen)

Short-term exposure limit (15-minute): WEL 0.07 mg/m³(Sen)

CARBON BLACK

Long-term exposure limit (8-hour TWA): WEL 3,5 mg/m³

Short-term exposure limit (15-minute): WEL 7 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

XYLENE (CAS: 1330-20-7)

Ingredient comments WEL = Workplace Exposure Limits

ALPHASEAL 132

| | |
|---|---|
| DNEL | Consumer - Dermal; Long term systemic effects: 108 mg/kg/day |
| | Industry - Dermal; Long term systemic effects: 180 mg/kg/day |
| | Consumer - Inhalation; Short term local effects: 174 mg/m ³ |
| | Consumer - Inhalation; Short term systemic effects: 174 mg/m ³ |
| | Industry - Inhalation; Short term systemic effects: 289 mg/m ³ |
| | Industry - Inhalation; Short term local effects: 289 mg/m ³ |
| | Consumer - Inhalation; Long term systemic effects: 14.8 mg/m ³ |
| Industry - Inhalation; Long term systemic effects: 77 mg/m ³ | |

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE (CAS: 101-68-8)

| | |
|--|---|
| DNEL | Industry - Dermal; Short term local effects: 28.7 mg/m ³ |
| | Industry - Inhalation; Short term local effects: 0.1 mg/m ³ |
| | Industry - Dermal; Long term systemic effects: no quantitative risk assessment possible |
| | Industry - Inhalation; Long term systemic effects: 0.05 mg/m ³ |
| | Industry - Dermal; Long term local effects: no quantitative risk assessment possible |
| Industry - Inhalation; Long term local effects: 0.05 mg/m ³ | |
| PNEC | Industry - Fresh water; Long term >1 mg/l |
| | Industry - Marine water; Long term > 0.1 mg/l |
| | Industry - Sediment (Freshwater); Long term Not relevant |
| | Industry - Soil; Long term > 1 mg/kg |
| | Industry - STP; Long term > 1 mg/l |

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

The following protection should be worn: Chemical splash goggles. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection

It is recommended that gloves are made of the following material: Polyvinyl alcohol (PVA). To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 6 hours. When used with mixtures, the protection time of gloves cannot be accurately estimated.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products. Do not smoke in work area.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. It is recommended to use respiratory equipment with combination filter, type A2/P3.

Thermal hazards

Contact with hot product can cause serious thermal burns.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9: Physical and Chemical Properties

ALPHASEAL 132

9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Appearance | Paste. |
| Colour | Grey. Black. White. |
| Odour | Mild. |
| Initial boiling point and range | 137°C @ 760 mm Hg |
| Flash point | 40-55°C CC (Closed cup). |
| Upper/lower flammability or explosive limits | Lower flammable/explosive limit: 0.6 Upper flammable/explosive limit: 7 |
| Relative density | 1.17 @ 20°C |
| Solubility(ies) | Insoluble in water. |

9.2. Other information

| | |
|-------------------|-------|
| Volatility | < 9 % |
|-------------------|-------|

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|-------------------|--|
| Reactivity | The following materials may react with the product: Alcohols, glycols. Acids. Amines. Alkalis. Reactions with the following materials may generate heat: Water. |
|-------------------|--|

10.2. Chemical stability

| | |
|------------------|---|
| Stability | Stable at normal ambient temperatures and when used as recommended. |
|------------------|---|

10.3. Possibility of hazardous reactions

| | |
|---|--|
| Possibility of hazardous reactions | Exothermic reaction with amines & alcohols, Reaction with water produces CO ₂ gas. Exothermic reaction with materials containing active hydrogen groups |
|---|--|

10.4. Conditions to avoid

| | |
|----------------------------|---|
| Conditions to avoid | Isocyanates react with water amines and acids with generation of heat. In the case of water, carbon dioxide is evolved and closed containers may rupture due to pressure increase if contaminated with moisture |
|----------------------------|---|

10.5. Incompatible materials

| | |
|---------------------------|---|
| Materials to avoid | Isocyanates react with water, alcohols, amines and acids with generation of heat. In the case of water carbon dioxide gas is evolved and closed containers may rupture due to pressure increase if contaminated with water. |
|---------------------------|---|

10.6. Hazardous decomposition products

| | |
|---|--|
| Hazardous decomposition products | Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂). Nitrous gases (NO _x). |
|---|--|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - dermal

| | |
|---------------------------|-----------|
| ATE dermal (mg/kg) | 23,404.26 |
|---------------------------|-----------|

Acute toxicity - inhalation

| | |
|-----------------------------------|-----------|
| ATE inhalation (gases ppm) | 450,000.0 |
|-----------------------------------|-----------|

| | |
|--------------------------------------|--------|
| ATE inhalation (vapours mg/l) | 178.28 |
|--------------------------------------|--------|

ALPHASEAL 132

**ATE inhalation (dusts/mists
mg/l)** 150.0

| | |
|----------------------------|--|
| General information | The product contains small quantities of isocyanate. May cause respiratory allergy. May cause respiratory system irritation. |
| Inhalation | May cause sensitisation by inhalation. |
| Skin contact | Slightly irritating. |
| Eye contact | May cause temporary eye irritation. |

Toxicological information on ingredients.**XYLENE****Acute toxicity - oral**

**Acute toxicity oral (LD₅₀
mg/kg)** 2,050.0

Species Rat

ATE oral (mg/kg) 2,050.0

Acute toxicity - dermal

**Acute toxicity dermal (LD₅₀
mg/kg)** 2,700.0

Species Rabbit

Acute toxicity - inhalation

**Acute toxicity inhalation
(LC₅₀ vapours mg/l)** 10.0

Species Rat

**ATE inhalation (vapours
mg/l)** 10.0

ETHYLBENZENE**Acute toxicity - oral**

**Acute toxicity oral (LD₅₀
mg/kg)** 3,500.0

Species Rat

Acute toxicity - dermal

**Acute toxicity dermal (LD₅₀
mg/kg)** 17,800.0

Species Rabbit

CALCIUM OXIDE**Acute toxicity - oral**

ALPHASEAL 132

Acute toxicity oral (LD₅₀ mg/kg) 2,050.0

Species Rat

ATE oral (mg/kg) 2,050.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,505.0

Species Rabbit

ATE dermal (mg/kg) 2,505.0

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE**Acute toxicity - dermal**

Acute toxicity dermal (LD₅₀ mg/kg) 9,400.0

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 0.368

Respiratory sensitisation

Respiratory sensitisation Guinea pig: Not determined.

Skin sensitisation

Skin sensitisation Buehler test: - Guinea pig: Not determined.

SECTION 12: Ecological Information**Ecotoxicity**

The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity**Ecological information on ingredients.****XYLENE**

Acute toxicity - fish LC50, 96 hours, 96 hours: 13.4 mg/l, Pimephales promelas (Fat-head Minnow)
LC50, 96 hours, 96 hours: < 11.9 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours, 48 hours: 81 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 48 hours, 48 hours: 110 mg/l, Freshwater algae

Acute toxicity - microorganisms EC₅₀, 48 hours, 48 hours: 1000 mg/l, Activated sludge

ETHYLBENZENE

ALPHASEAL 132

| | |
|---|--|
| Acute toxicity - fish | LC50, 96 hours, 96 hours: 4.2 mg/l, Onchorhynchus mykiss (Rainbow trout) |
| Acute toxicity - aquatic invertebrates | EC ₅₀ , 48 hours, 48 hours: 1.8 mg/l, Daphnia magna |
| Acute toxicity - aquatic plants | EC ₅₀ , 72 hours, 72 hours: 4.6 mg/l, Freshwater algae |
| Acute toxicity - microorganisms | EC ₀ , 3 hours, 3 hours: 12 mg/l, Activated sludge |

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

| | |
|---|--|
| Acute toxicity - fish | LC50, 96 hours, 96 hours: > 1000 mg/l, Brachydanio rerio (Zebra Fish) |
| Acute toxicity - aquatic invertebrates | EC ₅₀ , 192 hours, 192 hours: > 10 mg/l, Daphnia magna |
| Acute toxicity - aquatic plants | EC ₅₀ , 72 hours, 72 hours: > 1,640 mg/l, Scenedesmus subspicatus |
| Acute toxicity - microorganisms | EC ₅₀ , 3 hours, 3 hours: > 100 mg/l, Activated sludge |
| Acute toxicity - terrestrial | NOEC, 14 days, 14 days: > 1,000 mg/kg, Eisenia Fetida (Earthworm) |

CARBON BLACK

| | |
|---|--|
| Acute toxicity - fish | LC50, 96 hours, 96 hours: > 1000 mg/l, Brachydanio rerio (Zebra Fish) |
| Acute toxicity - aquatic invertebrates | EC ₅₀ , 48 hours, 48 hours: > 5,600 mg/l, Daphnia magna |
| Acute toxicity - aquatic plants | EC ₅₀ , 72 hours, 72 hours: > 10,000 mg/l, Scenedesmus subspicatus NOEC, >: > 10,000 mg/l, Scenedesmus subspicatus |
| Acute toxicity - microorganisms | EC ₀ , 3 hours, 3 hours: > 800 mg/l, Activated sludge |

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

XYLENE

| | |
|-----------------------|--|
| Biodegradation | Air - Degradation (%) 60: > 28 days readily biodegradable |
|-----------------------|--|

ETHYLBENZENE

| | |
|-----------------------|---|
| Biodegradation | water - Degradation (%) 70 - 80: 28 days readily biodegradable |
|-----------------------|---|

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

| | |
|-------------------------------|---|
| Stability (hydrolysis) | - Half-life : 20 hours 25 @ °C Hydrolyzes rapidly in water |
|-------------------------------|---|

ALPHASEAL 132

Biodegradation Water and sediment - 0: 28 days
No degradation observed

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Bioaccumulative potential BCF: 200, Cyprinus carpio (Common carp)

12.4. Mobility in soil

Mobility No known effects. there is no ecological data available relating to this preparation however the product should not be allowed to enter drains or watercourses or deposited where it can affect ground or surface waters.

Ecological information on ingredients.

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Henry's law constant 0.0229 Pa m³/mol @ °C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Ecological information on ingredients.

XYLENE

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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 MH

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

UN No. (IMDG)

ALPHASEAL 132**UN No. (ICAO)****14.2. UN proper shipping name**

Not applicable.

14.3. Transport hazard class(es)**ADR/RID class****ADR/RID subsidiary risk****ADR/RID label****IMDG class****IMDG subsidiary risk****ICAO class/division****ICAO subsidiary risk****Transport labels****14.4. Packing group**

Not applicable.

ADR/RID packing group**IMDG packing group****ICAO packing group****14.5. Environmental hazards****Environmentally hazardous substance/marine pollutant**

No.

14.6. Special precautions for user

Not applicable.

EmS**Emergency Action Code****Hazard Identification Number
(ADR/RID)****14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****Transport in bulk according to** Not applicable.**Annex II of MARPOL 73/78
and the IBC Code****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

Control of Pollution (Special Waste) Regulations 1980 (as amended).

Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation

System of specific information relating to Dangerous Preparations. 2001/58/EC.

ALPHASEAL 132

Guidance Workplace Exposure Limits EH40.
Approved Classification and Labelling Guide (Sixth edition) L131.

Water hazard classification WGK 2

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

ADR : European Agreement concerning the International Transport of Dangerous Goods by Road
 RID : Regulations Concerning the International Transport of Dangerous Goods by Rail
 IMDG : International Maritime Code for Dangerous Goods
 IATA : International Air Transport Association
 ICAO : International Civil Aviation Organization
 GHS : Globally Harmonized System of Classification and Labelling of Chemicals
 EINECS : European Inventory of Existing Commercial Chemical Substances
 CAS : Chemical Abstracts Service
 DNEL ; Derived No Effect Level (REACH)
 PNEC : Predicted No Effect Concentration (REACH)
 LC50 : Lethal Concentration 50 percent
 LD50 : Lethal Dose 50 percent

Key literature references and sources for data Dangerous Properties of Industrial Materials Report, N.Sax et.al.

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 08/06/2015

Revision 8

Risk phrases in full

R10 Flammable.
 R11 Highly flammable.
 R20 Harmful by inhalation.
 R20/21 Harmful by inhalation and in contact with skin.
 R36/37/38 Irritating to eyes, respiratory system and skin.
 R37/38 Irritating to respiratory system and skin.
 R38 Irritating to skin.
 R40 Limited evidence of a carcinogenic effect.
 R41 Risk of serious damage to eyes.
 R42 May cause sensitisation by inhalation.
 R42/43 May cause sensitisation by inhalation and skin contact.
 R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
 R65 Harmful: may cause lung damage if swallowed.
 R66 Repeated exposure may cause skin dryness or cracking.

ALPHASEAL 132

Hazard statements in full

EUH208 Contains DIPHENYLMETHANE-4,4'-DI-ISOCYANATE. May produce an allergic reaction.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
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.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.