

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 againstNo 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 (EC 1272/2008)

Physical hazards Not Classified

Health hazards Resp. Sens. 1 - H334 Skin Sens. 1 - H317

Environmental hazards Not Classified

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

Hazard pictograms



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Signal word Danger

Hazard statements H317 May cause an allergic skin reaction.

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.

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

P304+P312 IF INHALED: Call a POISON CENTER/ doctor if you feel unwell.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

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

Contains DIPHENYLMETHANE-4,4'-DI-ISOCYANATE, Reaction mass of bis(1,2,2,6,6-pentamethyl-4-

piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Supplementary precautionary

statements

P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

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

P321 Specific treatment (see medical advice on this label).

P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.

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

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. 4 - H332

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

STOT SE 3 - H335

STOT RE 2 - H373

Asp. Tox. 1 - H304

Aquatic Chronic 3 - H412

Hydrocarbons,C11-C14.n-

alkanes,isoalkanes,cyclics<2%aromatics

CAS number: — EC number: 926-141-6

Classification

Asp. Tox. 1 - H304

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 CALCIUM OXIDE

 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
 STOT SE 3 - H335

 Calcium Dihydroxide
 <1%</th>

 CAS number: 1305-62-0
 EC number: 215-137-3
 REACH registration number: 01-2119475151

 Classification

 Skin Irrit. 2 - H315
 Eye Dam. 1 - H318

<1%

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

CAS number: 101-68-8 EC number: 202-966-0 REACH registration number: 01-2119457014-47

Classification
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Resp. Sens. 1 - H334
Skin Sens. 1 - H317
Carc. 2 - H351
STOT SE 3 - H335
STOT RE 2 - H373

CARBON BLACK
CAS number: 1333-86-4

EC number: 215-609-9

REACH registration number: 01-2119384822-32

Classification
Not Classified

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Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl

<1%

sebacate

CAS number: -

M factor (Acute) = 1 M factor (Chronic) = 1

Classification

Skin Sens. 1B - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

Diiron Trioxide <1%

CAS number: 1309-37-1 EC number: 215-168-2 REACH registration number: 01-

2119457614-35

Classification
Not Classified

The full text for all hazard statements is displayed in Section 16.

Composition comments The product contains a sensitising substance.

Chemical Nature

chemical nature

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.

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

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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 Use air-supplied respirator, gloves and protective goggles.

for firefighters

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

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

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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 Sk

ETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m³ Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m³ Sk

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

Diiron Trioxide

Long-term exposure limit (8-hour TWA): WEL 4 mg/m3 resp.dust Short-term exposure limit (15-minute): WEL 10 mg/m $^{\rm 3}$

WEL = Workplace Exposure Limit Sk = Can be absorbed through the skin.

PNEC

Ingredient comments

WEL = Workplace Exposure Limits

XYLENE (CAS: 1330-20-7)

Ingredient comments WEL = Workplace Exposure Limits

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/m³ Consumer - Inhalation; Short term systemic effects: 174 mg/m³ Industry - Inhalation; Short term systemic effects: 289 mg/m³ Industry - Inhalation; Short term local effects: 289 mg/m³ Consumer - Inhalation; Long term systemic effects: 14.8 mg/m³ Industry - Inhalation; Long term systemic effects: 77 mg/m³

industry initialization, Long term systemic chects. 77 m

Fresh water; 0.327 mg/lSoil; 2.31 mg/kg

ETHYLBENZENE (CAS: 100-41-4)

DNEL Workers - Inhalation; Short term local effects: 293 mg/m³

PNEC - marine water; 0.01 mg/l

- Intermittent release; 0.1 mg/l

- Sediment (Marinewater); 1.37 mg/l

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

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DNEL Industry - Dermal; Short term local effects: 28.7 mg/m³

Industry - Inhalation; Short term local effects: 0.1 mg/m³

Industry - Dermal; Long term systemic effects: no quantitativerisk assessment

possible 9.0 - 10.0, ISO 976

Industry - Inhalation; Long term systemic effects: 0.05 mg/m³

Industry - Dermal; Long term local effects: no quantitative risk assessment possible

Industry - Inhalation; Long term local effects: 0.05 mg/m3

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

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 ca

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

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 Closed cup.

Upper/lower flammability or

explosive limits

Upper flammable/explosive limit: 7 Lower flammable/explosive limit: 0.6

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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 CO2 gas. Exothermic reaction with materials containing active hydrogen groups

10.4. Conditions to avoid

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 (CO2).

Nitrous gases (NOx).

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) 400,000.0

ATE inhalation (vapours mg/l) 212.77

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

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Acute toxicity - oral

Acute toxicity oral (LD₅o

mg/kg)

4,300.0

Species

Rat

ATE oral (mg/kg)

4,300.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,000.0

mg/kg)

Species

Rabbit

ATE dermal (mg/kg)

1,100.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l)

Species

Rat

10.0

ATE inhalation (vapours

mg/l)

10.0

Carcinogenicity

IARC carcinogenicity

IARC Group 3 Not classifiable as to its carcinogenicity to humans.

ETHYLBENZENE

Acute toxicity - oral

Acute toxicity oral (LD₅o

3,500.0

mg/kg)

Species Rat

ATE oral (mg/kg) 3,500.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 4,100.0

mg/kg)

Species Rabbit

ATE dermal (mg/kg) 4,100.0

Acute toxicity - inhalation

Acute toxicity inhalation

(LC₅o gases ppmV)

4,000.0

Species Rat

ATE inhalation (gases

4,000.0

ppm)

Carcinogenicity

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

CALCIUM OXIDE

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Acute toxicity - oral

Acute toxicity oral (LD₅₀ 2,050.0

mg/kg)

2,505.0

Species Rat

ATE oral (mg/kg) 2,050.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,505.0

mg/kg)

Species Rabbit

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Acute toxicity - dermal

ATE dermal (mg/kg)

Acute toxicity dermal (LD₅₀ 9,400.0

mg/kg)

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation 0.368

(LC50 dust/mist mg/l)

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 aquatic toxicity

Acute toxicity - fish LC50, 96 hours: 8.9 - 16.4 mg/l, Pimephales promelas (Fat-head Minnow)

EC₅₀, 96 hours: 86 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours: 3.2- 9.5 mg/l, Daphnia magna

Acute toxicity - aquatic

lonto

EC₅o, 48 hours: 1 - 10 mg/l, Scenedesmus subspicatus

plants

Acute toxicity - , : ,

microorganisms

ETHYLBENZENE

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Acute aquatic toxicity

Acute toxicity - fish LC50, 48 hours: 44 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours: 75 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

, . ,

,:,

Acute toxicity -

microorganisms

Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: > 1000 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic

invertebrates

EC₅₀, 192 hours: > 10 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

EC₅o, 72 hours: > 1,640 mg/l, Scenedesmus subspicatus

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Acute toxicity -

microorganisms

EC₅₀, 3 hours: > 100 mg/l, Activated sludge

Acute toxicity - terrestrial NOEC, 14 days: > 1,000 mg/kg, Eisenia Fetida (Earthworm)

CARBON BLACK

Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: > 1000 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic

invertebrates

EC₅o, 48 hours: > 5,600 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

EC₅₀, 72 hours: > 10,000 mg/l, Scenedesmus subspicatus NOEC, >: > 10,000 mg/l, Scenedesmus subspicatus

Acute toxicity - microorganisms

ECo, 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 Water - Degradation (%) 60: > 28 days

readily biodegradable

ETHYLBENZENE

Biodegradation Water - Degradation (%) 70 - 80: 28 days

readily biodegradable

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

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Stability (hydrolysis) - Half-life: 20 hours 25 @ °C

Hydrolizes rapidly in water

Biodegradation Water - 0: 9.0 - 10.0, ISO 976 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 This s

This substance is not classified as PBT or vPvB according to current EU criteria.

assessment

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

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

assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methodsDispose 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.

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14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 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.

Guidance Workplace Exposure Limits EH40.

Approved Classification and Labelling Guide (Sixth edition) L131.

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.

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

Revision date 08/01/2019

Revision 10

Supersedes date 02/01/2018

Hazard statements in full 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.

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 (Hearing organs) through prolonged or repeated

exposure.

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.

H412 Harmful to aquatic life with long lasting effects.

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.