

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

1.1 Product identifier

Product name: *Mirapont A*

REF: 203008

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

No further information is available.

Use of Substance/Preparation Polyurethane Resin

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:

Hager & Werken GmbH & Co.KG

Ackerstraße 1

47269 Duisburg

Germany

Tel.: (+49)203 / 99269-0

Fax.: (+49)203 / 299283

Information provided by: *Hager & Werken GmbH & Co. KG*

1.4 Emergency telephone number:

Hager & Werken GmbH & Co. KG

Tel.: (+49) 203 / 99 269-0

Mo. - Fr. / Monday - Friday: 9:00 - 16:00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Eye Irrit. 2 H319 Causes serious eye irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC None

Specific hazard indications for man and the environment:

No special hazard to be declared. However observe the information contained in this safety data sheet.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008

The product is classified and labelled in conformity to CLP regulation.

Hazard pictograms



GHS07

Warning Attention

Hazard indications

H319 Causes serious eye irritation.

Precautionary statements

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

P305+P351+P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists, get medical attention.

SECTION 3: Composition/information on ingredients

3.2 Chemical features: Mixtures

Description: Formulated Polyol

Dangerous components:

CAS: 25214-63-5	Alkoxylated amine	Xi R36	10-25%
NLP: 500-035-6		Eye Irrit.2, H319	
Reg.No.: 01-2119471485-32			

SECTION 4: First aid measures

4.1 Description of first aid measures

General indications: Instantly remove any clothing contaminated by the product.

Inhalation: Move the person to a well ventilated area, get medical attention in case of discomfort.

Skin contact: Wash immediately with water and soap and rinse thoroughly.

Eye contact:

Wash with running water for several minutes, keeping the eyelids open, and get medical attention.

Swallowing: Do not induce vomiting, call the doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed No further information is available.

4.3 Indication of any immediate medical attention and special treatment needed

No further information is available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

CO₂, powder and water spray. Extinguish large fires with water spray.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following may be released:

Carbon monoxide (CO)

Nitrogen oxide (NO₂)

5.3 Advice for fire fighters

Specific protective means: Wear a respirator with independent supply.

Other indications

Dispose of the fire residues and contaminated water used for extinguishing the fire as envisaged by legislative standards

SECTION 6: Accidental release measures

6.1 Personal precautions, personal protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions: Do not allow product to reach sewage system, or surface or ground water.

6.3 Method and materials for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to § 13.

6.4 Reference to other sections

For information on safe handling, see Section 7.

For information on disposal see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Instruct the personnel regarding the risks presented by the product, the precautions to be taken and measures to be adopted in case of accident.

Indications in case of fire and explosion: Protect from heat.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and containers:

Use only approved containers specially approved for the material/product.

Indications on mixed storage: Do not store in contact with foods.

Further information on storage conditions:

Keep the containers sealed tight.

Protect from humidity and water.

The product is hygroscopic.

7.3 Specific end uses No further information is available.

SECTION 8: Exposure controls/personal protection

Further indications on the structure of technical installations: No further data, see § 7.

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain significant quantities of substances the limit values of which require monitoring at the workplace.

8.2 Exposure controls

Personal protective equipment:

General occupational protective and hygiene standards:

Observe the safety measures normally envisaged for handling chemical substances.

Remove contaminated clothing immediately.

Wash hands during breaks and/or at the end of the workday.

Protective mask: Not necessary in well ventilated spaces.

Protective gloves:



Protective gloves

Material of gloves

PVC gloves

The choice of suitable gloves depends not only on the material but also on other quality features variable from one producer to another. Since the product represents a formulation of a number of substances, the stability of the materials of the gloves cannot be calculated in advance and must be tested before use.

Permeation time of the material of the gloves

Ask the gloves supplier for the precise passage time which must be respected.

Protective goggles:



Protective goggles

Tight fitting safety goggles

Protective overalls: wear protective overalls

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General indications

Appearance:

Form:	Liquid
Colour:	Conforms to the description of the product
Odour:	Characteristic

pH values at 20 °C: NA

Change of state

Melting point/melting range: NA °C

Flammability point: > 110 °C

Auto-ignition: Product not auto-flammable.

Explosion hazard: Product not explosive.

Density at 20 °C: 1.58 g/cm³ (ISO 1675:1985)

Solubility in/Miscibility with water:

Slightly and/or not miscible.

organic solvents:

Soluble in many organic solvents.

9.2 Other information

No further information is available.

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition/conditions to be avoided:

The product does not decompose if used in accordance with regulations.

10.3 Possibility of hazardous reactions

Reaction with oxidants.

10.4 Conditions to avoid

No further information is available.

10.5 Incompatible materials:

No further information is available.

10.6 Hazardous decomposition products:

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Primary irritability:

Corrosion/skin irritation

On the basis of the data available the classification criteria are not satisfied.

Serious eye injuries/serious eye irritations

Causes serious eye irritation.

Respiratory or skin sensitisation

On the basis of the data available the classification criteria are not satisfied.

CMR effects (carcinogenicity, mutagenicity and toxicity for the reproduction)

Mutagenicity of germ cells

On the basis of the data available the classification criteria are not satisfied.

Carcinogenicity On the basis of the data available the classification criteria are not satisfied..

Toxicity for reproduction

On the basis of the data available the classification criteria are not satisfied.

Specific toxicity for target organs (STOT) - individual exposure

On the basis of the data available the classification criteria are not satisfied.

Specific toxicity for target organs (STOT) - repeated exposure

On the basis of the data available the classification criteria are not satisfied.

Danger in case of aspiration

On the basis of the data available the classification criteria are not satisfied.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further information is available.

12.2 Persistence and degradability No further information is available.

Further indications: The product is not easily biodegradable.

12.3 Bioaccumulative potential No further information is available.

12.4 Mobility in soil No further information is available.

Further indications on the matter of the environment:

Further indications: Environmental toxicity values are currently not available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further information is available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendations:

Burn in a suitable incinerator or bury in an authorised dump in accordance with the local or national regulatory standards in force.

European catalogue of wastes

20 01 28 paints, inks, adhesives and resins different from those mentioned under item 20 01 27

Contaminated packaging materials:**Recommendations:**

Empty containers should be eliminated only after the product residues adhering to the walls have been removed or neutralised completely.

Dispose of waste and residues in accordance with administrative regulations.

SECTION 14: Transport information**14.1 UN Number****ADR, IMDG, IATA**

not applicable

14.2 UN proper shipping name**ADR, IMDG, IATA**

not applicable

14.3 Transport hazard classes**ADR, IMDG, IATA****Class**

not applicable

14.4 Packaging group**ADR, IMDG, IATA**

not applicable

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for users

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable.

Transport/further indications:

No product at risk on the basis of the aforementioned regulations.

UN "Model Regulation":

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SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:****National provisions:****Water hazard class:**

Water hazard class 1 (WGK1) (Self-assessment): slightly hazardous.

15.2 Chemical safety assessment:

A chemical safety assessment was not carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant statements

H319 Causes serious eye irritation.

.....
R36 Irritant for the eyes.

Data sheet issued by: -**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

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

*** Data modified as compared to the previous version**

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

1.1 Product identifier

Trade name: *Mirapont B*

REF: 203009

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

No further information is available.

Use of Substance/ Preparation Polyurethane Resin

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:

Häger & Werken GmbH & Co.KG

Ackerstraße 1

47269 Duisburg

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Mo. - Fr. / Monday - Friday: 9:00 - 16:00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
Resp. Sens. 1	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens. 1	H317 May cause an allergic skin reaction.
Carc. 2	H351 Suspected of causing cancer.
STOT SE 3	H335 May cause respiratory irritation.
STOT RE 2	H373 May cause damage to organs through prolonged or repeated exposure.
Aquatic Chronic 2:	H411 Toxic to aquatic life with long lasting effects

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xn; Harmful

R40-48/20: Limited evidence of a carcinogenic effect. Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Xn; Sensitisation

R42/43: May cause sensitisation by inhalation and skin contact.

Xi; Irritating

R36/37/38: Irritating to eyes, respiratory system and skin.

R52/53: Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008

The product is classified and labelled in conformity to CLP regulation.

Hazard pictograms



GHS07 GHS08 GHS09
Warning Danger

Hazardous components which determine the labelling:

Methylene diphenyl diisocyanate, isomers and homologues

Hazard indications

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H335 May cause respiratory irritation.

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

H411 Toxic to aquatic life with long lasting effects

Precautionary statements

P260 Do not breathe dust/fumes/gas/mist/vapours/spray.

P285 In case of inadequate ventilation wear respiratory protection.

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

P281 Use personal protective equipment as required.

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 the product/container in conformity with the local/regional/national/international provisions.

Further data:

EUH204 Contains isocyanates. May produce an allergic reaction.

SECTION 3: Composition/information on ingredients

3.2 Chemical features: Mixtures

Description: Mixture of the following substances with non hazardous additives.

Dangerous components:		
CAS: 9016-87-9	Methylene diphenyl diisocyanate, isomers and homologues Xn R20-40-48/20; Xn R42/43; Xi R36/37/38 Carc. Cat. 3	10-25%
	Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	

CAS: 38640-62-9	Diisopropyl naphthalene isomers	10-25%
EINECS: 254-052-6	Xn R65; N R51/53	
Reg.No.: 01-2119565150-48	-----	
	Asp. Tox. 1, H304; Aquatic Chronic 1, H410	

SECTION 4: First aid measures

4.1 Description of first aid measures

General indications:

Immediately remove clothing contaminated with the product. Poisoning symptoms may appear many hours later; for this reason medical supervision is necessary in the 48 hours following the accident.

Inhalation:

Bring the person to a well ventilated area, practice artificial respiration if necessary, keeping the person warm. If problems persist, get medical attention.

In case of massive inhalation of aerosol or concentrated vapours: take the victim out of the contaminated area and to a hospital (resuscitation if necessary) by means of an equipped ambulance. While awaiting medical aid, start up respiratory aid if necessary. Prolonged clinical and radiological monitoring may be necessary, since there is risk of a pulmonary oedema.

Skin contact: Wash immediately with water and soap and rinse thoroughly.

Eye contact:

Wash with running water for several minutes, keeping the eyelids open, and get medical attention.

Swallowing: Do not induce vomiting, call the doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed No further information is available.

4.3 Indication of any immediate medical attention and special treatment needed

No further information is available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Carbon dioxide

Powder for extinguisher

Foam

Extinguishing media unsuitable for safety reasons: Water

5.2 Special hazards arising from the substance or mixture

In case of fire, the following may be released:

Nitrogen oxide (NO₂)

Carbon monoxide (CO)

Hydrocyanic Acid (HCN)

(Traces)

5.3 Advice for fire fighters

Specific protective means: Wear self-contained respirator.

Other indications

Dispose of the fire residues and contaminated water used for extinguishing the fire as envisaged by legislative standards

SECTION 6: Accidental release measures

6.1 Personal precautions, personal protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions: Prevent product from entering sewage systems, pits or cellars.

6.3 Method and materials for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders, saw-dust).

After about one hour, collect in suitable drums; do not close (CO₂ released), just cover.

Leave in the open air in a place supervised for 7/14 days before taking it to an authorised dump.

6.4 Reference to other sections

For information on safe handling, see Section 7.

For information on disposal see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Accurate ventilation/aspiration in workplaces.

Instruct the personnel regarding the risks presented by the product, the precautions to be taken and measures to be adopted in case of accident.

Avoid exposing to the product person suffering from chronic respiratory diseases (especially those suffering from asthma and bronchitis) and those who already have had allergy to isocyanates.

Indications in case of fire and explosion: Protect from heat.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and containers: Make sure there are no infiltrations in the floor.

Indications on mixed storage: Do not store in contact with foods.

Further information on storage conditions:

Keep the containers sealed tight.

Protect from humidity and water.

7.3 Specific end uses No further information is available.

SECTION 8: Exposure controls/personal protection

Further indications on the structure of technical installations: No further data, see § 7.

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

101-68-8 4,4'-methylene diphenyl diisocyanate(MDI)

TWA long-term value: 0.051 mg/m³, 0.005 ppm

Further indications: The lists valid from the date of compilation were used as base.

8.2 Exposure controls

Personal protective equipment:

General occupational protective and hygiene standards:

Observe the safety measures normally envisaged for handling chemical substances.

Remove contaminated clothing immediately.

Wash hands during breaks and/or at the end of the workday.

Protective mask:

In spaces that are not sufficiently ventilated use the protective mask.

Gas mask

Temporary filtration apparatus:

A/P2 Filter

Protective gloves:



Protective gloves

Material of the gloves Neoprene gloves

Permeation time of the material of the gloves

Ask the gloves supplier for the precise passage time which must be respected.

Protective goggles:



Protective goggles

Tight fitting safety goggles

Protective overalls: wear protective overalls

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General indications

Appearance:

Form:	Liquid
Colour:	Beige
Odour:	Characteristic

pH values at 20 °C:	NA
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Change of state

Melting point/melting range:	NA
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Boiling point/boiling range:	NA
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Flammability point:	> 200 °C (P- Martens)
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Ignition temperature:	>500 °C (DIN 51 794)
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Auto-ignition:	Product not auto-flammable.
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Explosion hazard:	Product not explosive.
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Density at 20 °C:	1.68 g/cm ³ (ISO 1675:1985)
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Solubility in/Miscibility with

water:

Insoluble.

organic solvents:

Soluble in many organic solvents.

9.2 Other information

No further information is available.

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition/conditions to be avoided:

The product does not decompose if used in accordance with regulations.

10.3 Possibility of hazardous reactions

Violent reactions with NH_x, OH and SH groups.

In the presence of water or humidity, gaseous release (CO₂) and/or uncontrolled polymerisation can cause increased pressure in the packaging material (hence the risk of explosion of such packaging).

10.4 Conditions to avoid

No further information is available.

10.5 Incompatible materials:

No further information is available.

10.6 Hazardous decomposition products:

Carbon monoxide and Carbon dioxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD/LC50 values significant for the classification:

9016-87-9 Methylene diphenyl diisocyanate, isomers and homologues

Oral	LD50	>10000 mg/kg (rat)
Dermal	LD50	>9400 mg/kg (rabbit)

38640-62-9 Diisopropyl naphthalene isomers

Oral	LD50	>4000 mg/kg (rat)
Dermal	LD50	>4000 mg/kg (rat)

Primary irritability:

Corrosion/skin irritation

Causes skin irritation.

Serious eye injuries/serious eye irritations

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled

May cause an allergic skin reaction.

Sensitisation Can cause sensitisation by inhalation and skin contact.

CMR effects (carcinogenicity, mutagenicity and toxicity for the reproduction)

Lung tumours were observed on laboratory animals exposed to MDI in the form of respirable aerosol

Mutagenicity of germ cells

On the basis of the data available the classification criteria are not satisfied.

Carcinogenicity

Suspected of causing cancer.

Toxicity for reproduction

On the basis of the data available the classification criteria are not satisfied.

Specific toxicity for target organs (STOT) - individual exposure

May cause respiratory irritation.

Specific toxicity for target organs (STOT) - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Danger in case of aspiration

On the basis of the data available the classification criteria are not satisfied.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

9016-87-9 Methylene diphenyl diisocyanate, isomers and homologues

EC50 (24h) >1000 mg / l (daphnia) (OCDE - 202)

EC50 (3h) >100 mg / l (bacterium)

LC50 (96h) >1000 mg / l (fish) (OCDE - 203)

12.2 Persistence and degradability No further information is available.

Further indications: The product is not easily biodegradable.

12.3 Bioaccumulative potential No further information is available.

12.4 Mobility in soil No further information is available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further information is available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendations:

Must not be disposed of with household wastes. Do not allow product to reach sewage system.

Burn in a suitable incinerator or bury in an authorised dump in accordance with the local or national regulatory standards in force.

European catalogue of wastes

08 05 01	waste isocyanates
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Contaminated packaging materials:

Recommendations:

Empty containers should be eliminated only after the product residues adhering to the walls have been removed or neutralised completely.

Dispose of waste and residues in accordance with administrative regulations.

SECTION 14: Transport information

14.1 UN Number

ADR, IMDG, IATA

not applicable

14.2 UN proper shipping name

ADR, IMDG, IATA

not applicable

14.3 Transport hazard classes

ADR, IMDG, IATA

Class

not applicable

14.4 Packaging group

ADR, IMDG, IATA

not applicable

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for users

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable.

Transport/further indications:

No product at risk on the basis of the aforementioned regulations.

UN "Model Regulation":

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SECTION 15: Regulatory information

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

National provisions:

Water hazard class:

Water hazard class 1 (WGK1) (Self-assessment): slightly hazardous.

15.2 Chemical safety assessment:

A chemical safety assessment was not carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
R20	Harmful by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R40	Limited evidence of a carcinogenic effect.
R42/43	May cause sensitisation by inhalation and skin contact.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53	Toxic for aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

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

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

Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Carc. 2: Carcinogenicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

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

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

*** Data modified as compared to the previous version**