



Polyform Part B



Safety Data Sheet 08/08/2023, Revision 5

SECTION 1. Identification of the substance or mixture and of the company or undertaking

1.1. Product ID

Trade name: Polyform part B
UFI: PD40-R0QC-X006-DTV1

1.2. Identified relevant uses of the substance or mixture and uses advised against

Recommended use:

Product manufacturing, packaging and distribution

Industrial use for the manufacture of rigid or flexible polyurethane foams by casting, spraying or moulding

Industrial use for the manufacture of polyurethane elastomers by casting, spraying or moulding

Industrial use for the manufacture of coatings, sealants, binders and adhesives by mixing in formulations

1.3. Vendor details of the safety data sheet Provider:

Resin Pro srl
Via 25 Aprile z.i. snc
19021 Arcola (SP) - Italy

Competent person responsible for the safety data sheet: info@resinpro.it

1.4. Emergency telephone

CAV di Napoli, tel. 0817472870 (Azienda ospedaliera "Antonio Cardarelli", via A. Cardarelli 9, Napoli)
CAV di Firenze, tel. 0554277238 (Azienda ospedaliera universitaria Careggi, via Largo Brambilla 3, Firenze)
CAV di Pavia, tel. 038224444 (IRCCS Fondazione Salvatore Maugeri, via S. Maugeri 10, Pavia)
CAV di Milano, tel. 0266101029 (Ospedale Niguarda Ca' Granda, piazza Ospedale Maggiore 3, Milano)
CAV di Bergamo, tel. 800883300 (Azienda ospedaliera "Papa Giovanni XXIII", piazza OMS 1, Bergamo)
CAV di Roma, tel. 0649970698 (Policlinico Umberto I, viale del Policlinico 155, Rome)
CAV di Roma, tel. 063054343 (Policlinico "Agostino Gemelli", largo A. Gemelli 8, Rome)
CAV di Foggia, tel. 800183459 (Azienda ospedaliera universitaria Ospedali riuniti, Viale L. Pinto 1, Foggia)
CAV di Roma, tel. 0668591 (Ospedale pediatrico Bambino Gesù, piazza Sant'Onofrio 4, Rome)
CAV di Verona, tel. 800011858 (Azienda ospedaliera universitaria integrata di Verona, Piazzale A. Stefani 1, Verona)

SECTION 2. Hazard identification

2.1. Classification of the substance or mixture

Criteria Regulation EC 1272/2008 (Classification, Labeling and Packaging):

- ⚠ Attention, Acute Tox. 4, Harmful if inhaled.
- ⚠ Attention, Skin Irrit. 2, Causes skin irritation.
- ⚠ Attention, Eye Irrit. 2, Causes severe eye irritation.
- ⚠ Danger, Resp. Sens. 1, May cause allergy or asthma symptoms or breathing difficulties in case of inhalation.
- ⚠ Attention, Skin Sens. 1, It can provoke an allergic reaction on the skin.
- ⚠ Attention, Carc. 2, It is suspected of causing cancer.
- ⚠ Attention, STOT SE 3, It can irritate the airways. Attention, STOT
- ⚠ SE 3, May cause drowsiness or vertigo.
- ⚠ Attention, STOT RE 2, May cause organ damage after prolonged or repeated exposure.
- ⚠ Aquatic Chronic 2, Toxic to aquatic organisms, with long-lasting harmful effects.

Physico-chemical effects harmful to human health and the environment: No other risk

2.2. Label elements Hazard pictograms:

Polyform part B



Hazard Hazard

Statements:

H332 Harmful if inhaled. H315

Causes skin irritation.

H319 Causes severe 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 irritate the airways. H336 May

cause drowsiness or vertigo.

H373 May cause organ damage after prolonged or repeated exposure. H411 Toxic to aquatic organisms, with long-lasting harmful effects.

Precautionary Statements:

P202 Do not handle the substance before all safety instructions have been read and understood.

P261 Avoid breathing dust/smoke/gas/mist/vapours/aerosol. P273 Avoid release into the environment.

P280 Wear gloves/garments/goggles/protective mask.

P304+P340 IF INHALED: Transport the person outdoors and keep him in a position that makes breathing easier.

P342+P311 In case of respiratory symptoms: Call a POISON CENTER/GIA/doctor/...

P391 Collect the spill.

Special provisions:

EUH204 Contains isocyanates. It can cause an allergic reaction.

Contains:

Diphenylmethandiisocyanate, isomers and homologues diisocyanate of methylenediphenyl Solvent naphtha (petroleum), heavy aromatic

Special provisions in accordance with Annex XVII of the REACH Regulation and its subsequent amendments:

No.

2.3. Other hazards

vPvB substances: None. - PBT substances: None.

Other risks:

No other risk

SECTION 3. Composition/component information

3.1. Substance

s N.A.

3.2. Mixtures

Hazardous components according to the CLP Regulation and its corresponding classification:

Quantity	Name	ID number.	Classification
>= 30% - < 40%	Diphenylmetandiisocianat at or, isomers and Counterparts	CAS: 9016-87-9	3.6/2 Carc. 2 H351 3.9/2 STOT RE 2 H373 3.3/2 Eye Irrit. 2 H319

Polyform part B

			<p> ◆ 3.8/3 STOT SE 3 H335 ◆ 3.2/2 Skin Irrit. 2 H315 ◆ 3.4.1/1 Resp. Sens. 1 H334 ◆ 3.4.2/1 Skin Sens. 1 H317 ◆ 3.1/4/Inhal Acute Tox. 4 H332 </p>
>= 30% - < 40%	methylenediphenyl diisocyanate	<p> CAS: 158885-29-1 EC: 500-415-1 REACH No.: 01-2119480402-45-XXXX </p>	<p> ◆ 3.6/2 Carc. 2 H351 ◆ 3.9/2 STOT RE 2 H373 ◆ 3.3/2 Eye Irrit. 2 H319 ◆ 3.8/3 STOT SE 3 H335 ◆ 3.2/2 Skin Irrit. 2 H315 ◆ 3.4.1/1 Resp. Sens. 1 H334 3.4.2/1 Skin Sens. 1 H317 3.1/4/Inhal Acute Tox. 4 H332 </p>
>= 30% - < 40%	Solvent naphtha (petroleum), heavy aromatic	<p> Number 649-424-00-3 Index: CAS: 64742-94-5 EC: 265-198-5 REACH No.: 01-2119463583-34-0004 </p>	<p> ◆ 3.10/1 Asp. Tox. 1 H304 ◆ 3.8/3 STOT SE 3 H336 ◆ 4.1/C2 Aquatic Chronic 2 H411 EUH066 </p>

SECTION 4. First aid

4.1. Description of first aid In case of skin contact:

Remove contaminated clothing immediately.

Wash immediately with plenty of running water and possibly soap the areas of the body that have come into contact with the product, even if it is only a suspicion. Wash the body thoroughly (shower or bath).

Immediately remove contaminated clothing and dispose of it safely. In case of skin contact, wash immediately with plenty of soap and water.

In case of contact with eyes:

In case of contact with the eyes, rinse them with water for an adequate time and keeping the eyelids open, then immediately consult with an ophthalmologist. Protect the unharmed eye.

In case of ingestion:

DO NOT induce vomiting.

In case of inhalation:

In case of irregular breathing or respiratory arrest, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him the container or the label.

4.2. Main symptoms and effects, acute and delayed

Feeling of pressure in the chest, cough, breathing difficulties.

Severe eye irritation, respiratory irritant and a potential respiratory sensitizer.

Irritation of the eyes, nose, throat, and lungs, possibly combined with dry throat, chest tightness, and difficulty breathing.

It can cause an allergic skin reaction.

Ingestion can cause irritation of the gastrointestinal tract. For overexposure: pain or irritation, tearing or redness.

Irritation of the respiratory tract, coughing, wheezing, and breathing difficulties asthma.

4.3. Indication of any medical care and special treatment to be provided immediately



Polyform part B

In case of accident or discomfort, consult a doctor immediately (if it is possible to show you the instructions for use or the safety data sheet)

Polyform part B

Treatment:
None

SECTION 5. Fire-fighting measures

- 5.1. Extinguishing media
Appropriate extinguishing media:
Water.
Carbon dioxide (CO₂).
Extinguishing media that should not be used for safety reasons: None in particular.
- 5.2. Specific hazards arising from the substance or mixture
Do not inhale the gases produced by explosion and combustion.
Combustion produces heavy smoke.
- 5.3. Recommendations for firefighting personnel Use appropriate breathing apparatus.
Separately collect contaminated water used to extinguish the fire. Do not discharge it into the sewer network.
If possible, from a safety point of view, immediately remove undamaged containers from the area.

SECTION 6. Measures in case of accidental spillage

- 6.1. Personal precautions, protective equipment and emergency procedures Use personal protective devices.
In case of exposure to vapours/dusts/aerosols, use breathing apparatus.
Provide adequate ventilation.
Use adequate respiratory protection.
Consult the protective measures set out in points 7 and 8.
- 6.2. Environmental precautions
Prevent the product from penetrating the soil/subsoil. Prevent it from entering surface water or sewers.
Conserve contaminated wash water and dispose of it.
In case of gas leakage or penetration into water courses, soil or sewage system, inform the responsible authorities.
Material suitable for collection: absorbent material, organic, sand
- 6.3. Containment and cleaning methods and material Wash with plenty of water.
- 6.4. Reference to other sections
See also paragraphs 8 and 13.

SECTION 7. Handling and storage

- 7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapors and mists. Use the utmost care when handling or opening the container.
Use the localized ventilation system.
Do not use empty containers that have not been previously cleaned.
Before carrying out the transfer operations, ensure that there are no incompatible waste materials in the containers.
Contaminated clothing must be replaced before accessing lunch areas. Do not eat or drink during work.
Refer also to paragraph 8 for recommended protective devices.
- 7.2. Safe storage conditions, including possible incompatibilities Keep away from food, drink and feed.
Incompatible subjects: None in particular. Indications for premises:

Polyform part B

Properly ventilated premises.

7.3. Specific end uses No particular use

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Diphenylmethandiisocyanate, isomers and homologues - CAS: 9016-87-9

UNITED KINGDOM - TWA(8h): 0.02 mg/m³ - STEL(15 min): 0.07 mg/m³

GERMANY - TWA(8h): 0.05 mg/m³ - STEL(15 min): 0.1 mg/m³

Solvent naphtha (petroleum), heavy aromatic - CAS: 64742-94-5

- TWA(8h): 100 mg/m³, 17 ppm

DNEL exposure limit values

Diphenylmethandiisocyanate, isomers and homologues - CAS: 9016-87-9

Professional worker: 50 mg/kg bw/day - Consumer: 25 mg/kg bw/day - Exposure: Human dermal - Frequency: Short-term, systemic effects

Professional worker: 0.1 mg/m³ - Consumer: 0.05 mg/m³ - Exposure: By human

inhalation - Frequency: Short-term, systemic effects

Professional worker: 28.7 mg/cm² - Consumer: 17.2 mg/cm² - Exposure: Human dermal - Frequency: Short-term, local effects

Professional worker: 0.1 mg/cm³ - Consumer: 0.05 mg/m³ - Exposure: By human

inhalation - Frequency: Short-term, local effects

Professional worker: 0.05 mg/m³ - Consumer: 0.025 mg/m³ - Exposure: By human

inhalation - Frequency: Long-term, systemic effects

Professional worker: 0.05 mg/m³ - Consumer: 0.025 mg/m³ - Exposure: By human

inhalation - Frequency: Long-term, local effects

Consumer: 20 mg/kg bw/day - Exposure: Human oral - Frequency: Short-term, systemic effects

Solvent naphtha (petroleum), heavy aromatic - CAS: 64742-94-5

Professional worker: 12.5 mg/kg bw/day - Consumer: 7.5 mg/kg bw/day - Exposure:

Human dermal - Frequency: Long-term, systemic effects

Professional worker: 150 mg/m³ - Consumer: 32 mg/m³ - Exposure: By human inhalation

- Frequency: Long-term, systemic effects

Consumer: 7.5 mg/kg bw/day - Exposure: Human oral - Frequency: Long-term, systemic

effects

PNEC exposure limit values

Diphenylmethandiisocyanate, isomers and homologues - CAS:

9016-87-9 Objective: fresh water - Value: 1 mg/l

Objective: Seawater - Value: 0.1 mg/l

Objective: Microorganisms in wastewater - Value: 1 mg/l

Objective: Soil (agriculture) - Value: 1 mg/kg

Objective: Variable emission - Value: 10 mg/l

8.2. Exposure controls Eye

protection:

Glasses with side protection.

Skin protection:

Safety footwear.

Protective clothing against chemical agents.

Hand protection: Appropriate

gloves type:

Gloves with long cuffs.

Appropriate material:

NBR (nitrile-butadiene rubber).

Polychloroprene (neoprene)

Respiratory protection:

Full masks/half-masks/quarter masks (DIN EN 136/140).

Polyform part B

Mask with filter "A2", brown color
 Thermal risks:
 None
 Environmental exposure controls:
 None
 Appropriate engineering
 controls: None

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value	Method:	Notes:
Aspect:	Liquid		
Colour:	Brown	--	--
Smell:	Not relevant	--	--
Odour threshold:	Not relevant	--	--
pH:	Not relevant	--	--
Melting/freezing point:	Not relevant	--	--
Initial boiling point and boiling range:	>165°C	--	--
Flash point (fp):	69 °C	--	--
Evaporation rate:	Not relevant	--	--
Flammability solids/gases:	Not relevant	--	--
Upper/lower flammability or explosion limit:	Not relevant	--	--
Vapour pressure:	Not relevant	--	--
Vapour density:	Not relevant	--	--
Relative density:	1.09 (25°C)	--	--
Water solubility:	Not relevant	--	--
Solubility in oil:	Not relevant	--	--
Partition coefficient (n-octanol/water):	Not relevant	--	--
Auto-ignition temperature:	Not relevant	--	--
Temperature of	No Relevant	--	--

Polyform part B

decomposition:			
Viscosity:	70 cps (25°C)	--	--
Explosive properties:	Not relevant	--	--
Oxidizing properties:	Not relevant	--	--

9.2. Other information

Property	Value	Method:	Notes:
Miscibility:	Not relevant	--	--
Liposolubility:	Not relevant	--	--
Conductivity:	Not relevant	--	--
Characteristic properties of groups of substances:	Not relevant	--	--

SECTION 10. Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of dangerous reactions

It can generate flammable gases in contact with metallic elements (alkaline, alkaline earth, powdered or vapor alloys) and strong reducing agents.

It can generate toxic gases in contact with oxidizing mineral acids and strong oxidizing agents.

May ignite in contact with oxidizing mineral acids and strong oxidizing agents

10.4. Conditions to be avoided

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information on the main substances found in the product:

Diphenylmethandiisocyanate, isomers and homologues - CAS: 9016-87-9

a) acute toxicity:

Test: LC50 - Route: Inhalation powder - Species: Rat = 0.49 mg/m³ - Duration: 4h

Test: LC50 - Route: Inhalation - Species: Rat = 0.31 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit > 9400 mg/kg

Test: LD50 - Route: Oral - Species: Rat > 10000 mg/kg

b) skin corrosion or irritation:

Test: Irritating to the skin

Polyform part B

- c) Serious eye injury or irritation:
Test: Irritating to the eyes
- d) Respiratory or skin sensitization:
Test: Skin sensitization
- (f) carcinogenicity:
Route: Inhalation - Species: Rat Positive
- Dynamics of venom generation, information on division and metabolism: Test:
NOAEL - Route: Inhalation - Species: Rat = 0.2 mg/m³
Test: LOAEL - Route: Inhalation - Species: Rat = 1 mg/m³
- Solvent naphtha (petroleum), heavy aromatic - CAS: 64742-94-5
- (a) acute toxicity:
Test: LC50 - Route: Inhalation vapour - Species: Rat > 4688 mg/m³
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Unless otherwise specified, the data required by Regulation (EU)2015/830 below should be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion or irritation;
- c) severe eye injury or irritation;
- d) respiratory or skin sensitization;
- e) mutagenicity in germ cells;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) specific organ toxicity (STOT) – single exposure;
- i) specific organ toxicity (STOT) – repeated exposure;
- j) Aspiration hazard.

SECTION 12. Ecological information

12.1. Toxicity

Use with appropriate working techniques, avoiding the dispersion of the product in the environment.

Diphenylmethandiisocyanate, isomers and homologues - CAS: 9016-87-9

- a) Acute aquatic toxicity:
Parameter: CE50 - Species: Activated iodine > 100 mg/l - Duration h.: 3 - Notes: OECD 209
Parameter: CE50 - Species: Daphnia magna > 1000 mg/l - Duration h.: 24 - Notes: OECD 202
Parameter: CL50 - Species: Danio rerio (zebrafish) > 1000 mg/l - Duration h.: 96 - Notes: OECD 203
Parameter: IC0 - Species: Fish > 1000 mg/l - Duration h.: 96 Parameter:
EC0 - Species: Daphnia > 500 mg/l - Duration h.: 24
 - b) Chronic aquatic toxicity:
Parameter: NOECr - Species: Daphnia magna > 10 mg/l - Duration h.: 504 - Notes: OECD 211
 - d) Terrestrial toxicity:
Parameter: NOEC - Species: Eisenia fetida (earthworm) > 1000 mg/l - Duration h.: 72 - Notes: OECD 207
 - e) Toxicity in plants:
Parameter: EC0 - Species: Scenedesmus subspicatus > 1640 mg/l - Duration h.: 72
Parameter: NOEC - Species: Avena sativa > 1000 mg/kg - Duration h.: 336 - Notes: OECD 208
- Solvent naphtha (petroleum), heavy aromatic - CAS: 64742-94-5
- (a) Acute aquatic toxicity:
Parameter: CE50 - Species: Pseudokirchneriella subcapitata 1 mg/l - Duration h.: 72

Polyform part B

Parameter: CL50 - Species: Daphnia magna 3 mg/l - Duration h.: 48
 Parameter: CL50 - Species: Oncorhynchus mykiss 2 mg/l - Duration h.: 96
 Parameter: NOEC - Species: Daphnia magna 0.771 mg/l - Duration h.: 504
 Parameter: NOEC - Species: Oncorhynchus mykiss 0.441 mg/l - Duration h.: 672

12.2. Persistence and degradability

Diphenylmethandiicyanate, isomers and homologues - CAS: 9016-87-9
 Biodegradability: Not rapidly degradable - %: 0 - Notes: OECD 302C
 Biodegradability: Not rapidly degradable - Notes: Fresh water
 Solvent naphtha (petroleum), heavy aromatic - CAS: 64742-94-5 Biodegradability:
 Persistent and biodegradable - Duration: 28 days - %: 49.6

12.3. Bioaccumulation potential

Diphenylmethandiisocyanate, isomers and homologues - CAS: 9016-87-9
 Bioaccumulation: Bioaccumulative 200 - Notes: FBC
 Solvent naphtha (petroleum), heavy aromatic - CAS: 64742-94-5 Bioaccumulation:
 Bioaccumulative - Test: BCF- bioaccumulation factor 99

12.4. Mobility on the ground N.A.

12.5. Results of the PBT and vPvB assessment vPvB substances: None. - PBT substances: None.

12.6. Other side effects None

SECTION 13. Disposal considerations

13.1. Methods for waste treatment

Recover if possible. Send to approved disposal centres or incineration under controlled conditions. Operate in accordance with current local and national regulations.

SECTION 14. Transport information



14.1. UN Number

ADR-UN Number: 3082
 IATA-UN Number: 3082
 IMDG-UN Number: 3082

14.2. Official United Nations transport designation

ADR-Shipping Name: 3082.3082-III-III (solvent naphtha (petroleum), heavy aromatic fraction)<CMPDATA,1,0,11657,>
 IATA-Shipping Name: 3082.3082-III-III (solvent naphtha (petroleum), heavy aromatic fraction)<CMPDATA,1,0,11657,>
 IMDG-Shipping Name: 3082.3082-III-III (solvent naphtha (petroleum), heavy aromatic fraction)<CMPDATA,1,0,11657,>

14.3. Transport hazard class(es)

ADR-Class: 9
 ADR-Tag: 9
 ADR - Identification Number of danger: 90
 IATA-Class: 9
 IATA-Label: 9
 IMDG-Class: 9
 IMDG-Class: 9

14.4. Packaging group

ADR-Packing Group: III



Polyform part B

- IATA-Packing group: III
IMDG-Packing group: III
- 14.5. Environmental hazards ADR-
Environmental Pollutant: Yes
IMDG-Marine pollutant: Marine Pollutant
Most important toxic component: naphtha Solvent (petroleum), aromatic fraction heavy<CMPDATA,1,0,11657>
- 14.6. Special precautions for ADR-Subsidiary risks users: -
ADR-S.P.: 274 335 375 601
ADR-Transport category (Tunnel restriction code): 3 (-)
IATA-Passenger Aircraft: 964
IATA-Subsidiary risks: -
IATA-Cargo Aircraft: 964
IATA-S.P.: A97 A158 A197
IATA-ERG: 9L
IMDG-EmS: F-A , S-F
IMDG-Subsidiary risks: -
IMDG-Stowage and handling: Category A
IMDG-Segregation: -
- 14.7. Carriage in bulk in accordance with MARPOL Annex II and IBC Code N.A.

SECTION 15. Regulatory information

- 15.1. Safety, health and environmental legislation and regulations specific to the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work) Dir. 2000/39/EC
(Occupational exposure limit values)
Regulation (EC) No 1907/2006 (REACH)
Regulation (EC) No 1272/2008 (CLP)
Regulation (EC) No 790/2009 (ATP 1 CLP) and (EU) No 758/2013
Regulation (EU) 2015/830
Regulation (EU) No 286/2011 (ATP 2 CLP)
Regulation (EU) No 618/2012 (ATP 3 CLP)
Regulation (EU) No 487/2013 (ATP 4 CLP)
Regulation (EU) No 944/2013 (ATP 5 CLP)
Regulation (EU) No 605/2014 (ATP 6 CLP)
Regulation (EU) 2015/1221 (ATP 7 CLP)
Regulation (EU) 2016/918 (ATP 8 CLP)
Regulation (EU) 2016/1179 (ATP 9 CLP)
Regulation (EU) 2017/776 (ATP 10 CLP)
Restrictions related to the product(s) contained, in accordance with Annex XVII to Regulation (EC) No 1907/2006 (REACH) and subsequent amendments:
Product Related Restrictions: Restriction 3
Restrictions related to substances contained: No restrictions.
- Directive 2012/18/EU (Seveso III) Regulation
(EC) No 648/2004 (detergents). Dir.
2004/42/EC (VOC Directive)
- Provisions on EU Directive 2012/18 (Seveso III):
Category Seveso III according to Annex 1, Part 1 the
product belongs to category: E2



Polyform part B

15.2. Chemical safety assessment

No chemical safety assessment has been performed for the mixture

SECTION 16. Other information

Text of sentences used in paragraph 2: H351

Suspected of causing cancer.

H373 May cause organ damage after prolonged or repeated exposure. H319 Causes severe eye irritation.

H335 May irritate the airways. H315

Causes skin irritation.

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

H317 May cause an allergic skin reaction. H332

Harmful if inhaled.

H304 It can be fatal if swallowed and penetrated into the respiratory tract. H336 May cause drowsiness or vertigo.

H411 Toxic to aquatic organisms, with long-lasting harmful effects.

EUH066 Repeated exposure may cause dryness or cracking of the skin.

Hazard class and category	Code	Description
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
ASP. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Resp. Sens. 1	3.4.1/1	Respiratory sensitization, Category 1
Skin Sens. 1	3.4.2/1	Skin sensitisation, Category 1
Carc. 2	3.6/2	Carcinogenicity, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity (single exposure), Category 3
STOT RE 2	3.9/2	Specific target organ toxicity (repeated exposure), Category 2
Aquatic Chronic 2	4.1/C2	Chronic (long-term) hazard to the aquatic environment, Category 2

Paragraphs modified with respect to the previous revision

SECTION 3. Composition/information on components SECTION 9.

Physical and chemical properties

SECTION 14. Transport information SECTION

15. Regulatory information

This document has been prepared by a competent person who has received a training



Polyform part B

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Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information detailed here is based on our knowledge up to the date indicated above. It refers exclusively to the product indicated and does not constitute a guarantee of particular qualities.

The user must ensure the suitability and accuracy of such information in relation to the specific use to be made of the product.

This tab cancels and replaces any previous edition.

ADR:	Agreement European Commission on the international transport of dangerous goods by road.
CAS:	Chemical Abstracts Service (from the American Chemical Society).
CLP:	Classification labeling, packaging.
DNEL:	Level No derivative effect.
EINECS:	Catalogue European Chemicals on the Market. ETA: Estimate of acute toxicity
ETAmix:	Acute Toxicity Estimation (Mixtures) GefStoffVO: Ordinance on dangerous substances, Germany.
GHS:	System Globally Harmonized classification and labelling of chemicals.
IATA:	Association of International Air Transport.
IATA-DGR:	Standards applied to dangerous goods by the "International Air Transport Association" (IATA).
ICAO:	Organization of International Civil Aviation.
ICAO-TI:	Instructions Techniques of the "International Civil Aviation Organization" (ICAO).
IMDG:	Code International maritime dangerous goods. INCI: International nomenclature of cosmetic ingredients. KSt: Coefficient of explosion.
LC50:	Concentration lethal for 50% of the exposed population.
LD50:	Dose lethal for 50% of the exposed population.
PNEC:	Concentration planned without effect.
RID:	Standards relating to the international transport of dangerous goods by rail.
STEL:	Level of short-term exposure.
STOT:	Toxicity specific in certain organs. TLV: Value threshold limit.
TWA:	Average time-weighted
WGK:	Class of danger to waters (Germany).