

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

1.1. Product identifier

Product form : Mixture
 Trade name : Parachim Polyester part A

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

1.2.1. Relevant identified uses

Main use category : Professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

DL CHEMICALS
 Roterijstraat 201-203
 B-8793 Waregem - Belgium
 T + 32 56 62 70 51 - F + 32 56 60 95 68
info@dl-chem.com - www.dl-chem.com

1.4. Emergency telephone number

Emergency number : + 32 70 245 245

| Country | Official advisory body | Address | Emergency number | Comment |
|----------------|---|---------------------------------|------------------|---------|
| United Kingdom | Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust | Avonley Road SE14 5ER London | +44 20 7188 7188 | |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
 Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412
 Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

CLP Signal word : -
 Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.
 Precautionary statements (CLP) : P273 - Avoid release to the environment.
 P501 - Dispose of contents to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|------------------|---|---------|--|
| vinyltoluene | (CAS-No.) 25013-15-4 (EC-No.) 246-562-2 (REACH-no) 01-2119622074-50 | 10 - 25 | Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |
| Titanium dioxide | (CAS-No.) 13463-67-7 (EC-No.) 236-675-5 (REACH-no) 01-2119489379-17 | 1 - 10 | Not classified |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air.
- First-aid measures after skin contact : Remove person to uncontaminated area. Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Seek medical attention if ill effect or irritation develops.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if ill effect or irritation develops.
- First-aid measures after ingestion : Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth out with water. Seek medical attention if ill effect develops.

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Carbon dioxide. extinguishing powder.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Carbon dioxide.

5.3. Advice for firefighters

- Firefighting instructions : Do not breathe fumes from fires or vapours from decomposition.
- Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear suitable protective clothing, gloves and eye or face protection.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect leaking and spilled liquid in sealable containers as far as possible.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not manipulate the product in a confined space.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Close container tightly after use. Store in a cool, well-ventilated place.

Incompatible products : Oxidizing agent.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Titanium dioxide (13463-67-7) | | |
|-------------------------------|------------------------------|--|
| United Kingdom | WEL TWA (mg/m ³) | 10 mg/m ³ inhalable dust 4 mg/m ³ respirable dust |

8.2. Exposure controls

Appropriate engineering controls:

Ensure adequate ventilation.

Hand protection:

| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
|-------------------|----------------|------------|----------------|-------------|----------|
| Disposable gloves | Nitrile rubber | | | | |

Eye protection:

| Type | Use | Characteristics | Standard |
|----------------|---------|-----------------|----------|
| Safety glasses | Droplet | | EN 166 |

Skin and body protection:

| Type | Standard |
|--|----------|
| complete protective suit against chemicals | |



Consumer exposure controls:

Do not breathe vapours.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Odour : aromatic.
Relative density : 1,65 - 1,75 at 20 °C
Solubility : Water: Insoluble

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Do not expose to heat.

10.5. Incompatible materials

Oxidizing agent. Peroxides.

10.6. Hazardous decomposition products

No decomposition if stored normally.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

| | |
|---|-------------------------------------|
| ATE CLP (vapours) | 78,61 mg/l |
| vinyltoluene (25013-15-4) | |
| LD50 oral rat | >= 2255 mg/kg |
| LD50 oral | > 5000 mg/kg bodyweight Animal: dog |
| LD50 dermal rat | 4500 mg/kg |
| Titanium dioxide (13463-67-7) | |
| LD50 oral rat | > 10000 mg/kg |
| LD50 dermal rabbit | > 10000 mg/kg |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | > 6,82 mg/l/4h |

Skin corrosion/irritation : Not classified (On basis of test data)

Additional information : (OECD 439 method)

Serious eye damage/irritation : Not classified (On basis of test data)

Additional information : (OECD 437 method)

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

| | |
|--------------------------------|--|
| vinyltoluene (25013-15-4) | |
| LC50 fish 1 | 23,4 mg/l Pimephales promelas |
| EC50 Daphnia 1 | 1,3 mg/l |
| EC50 other aquatic organisms 1 | 72 h |
| EC50 72h algae (1) | 2,6 mg/l Selenastrum capricornutum |
| NOEC chronic fish | 1,636 mg/l Test organisms (species): other: Saltwater fish (species unspecified) Duration: '30 d' |

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| Titanium dioxide (13463-67-7) | |
|--------------------------------|--|
| LC50 fish 1 | > 1100 µg/l pimephales promelas |
| LC50 fish 2 | > 10000 mg/l |
| EC50 Daphnia 1 | 2 mg/l |
| EC50 other aquatic organisms 1 | > 1000 mg/l |
| EC50 other aquatic organisms 2 | 61 mg/l |
| EC50 72h algae (2) | 100 mg/l pseudokirchneriella subcapitata |
| NOEC chronic algae | 5600 mg/l |

12.2. Persistence and degradability

| Titanium dioxide (13463-67-7) | |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |

12.3. Bioaccumulative potential

| vinyltoluene (25013-15-4) | |
|---------------------------|------|
| Log Pow | 3,36 |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available






SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Sewage disposal recommendations : Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR | IMDG | IATA | ADN | RID |
|--|---|---|--|---|
| 14.1. UN number | | | | |
| 1866 | 1866 | 1866 | 1866 | 1866 |
| 14.2. UN proper shipping name | | | | |
| RESIN SOLUTION | RESIN SOLUTION | Resin solution | RESIN SOLUTION | RESIN SOLUTION |
| UN 1866 RESIN SOLUTION, 3, III, (D/E) | UN 1866 RESIN SOLUTION, 3, III | UN 1866 Resin solution, 3, III | UN 1866 RESIN SOLUTION, 3, III | UN 1866 RESIN SOLUTION, 3, III |
| 14.3. Transport hazard class(es) | | | | |
| 3 | 3 | 3 | 3 | 3 |
|  |  |  |  |  |
| 14.4. Packing group | | | | |
| III | III | III | III | III |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No | Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No |
| No supplementary information available | | | | |

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : F1

Limited quantities (ADR) : 5I

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Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC03, LP01, R001
Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T2
Portable tank and bulk container special provisions (ADR) : TP1
Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Operation (ADR) : S2

Hazard identification number (Kemler No.) : 30

Orange plates :



Tunnel restriction code (ADR) : D/E
EAC code : •3YE

- Transport by sea

Special provisions (IMDG) : 223, 955
Packing instructions (IMDG) : P001, LP01
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T2
Tank special provisions (IMDG) : TP1
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-E
Stowage category (IMDG) : A
Properties and observations (IMDG) : Miscibility with water depends upon the composition.

- Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y344
PCA limited quantity max net quantity (IATA) : 10L
PCA packing instructions (IATA) : 355
PCA max net quantity (IATA) : 60L
CAO packing instructions (IATA) : 366
CAO max net quantity (IATA) : 220L
Special provisions (IATA) : A3
ERG code (IATA) : 3L

- Inland waterway transport

Classification code (ADN) : F1
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01
Number of blue cones/lights (ADN) : 0

- Rail transport

Classification code (RID) : F1
Limited quantities (RID) : 5L

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| | |
|---|---------------------------|
| Excepted quantities (RID) | : E1 |
| Packing instructions (RID) | : P001, IBC03, LP01, R001 |
| Special packing provisions (RID) | : PP1 |
| Mixed packing provisions (RID) | : MP19 |
| Portable tank and bulk container instructions (RID) | : T2 |
| Portable tank and bulk container special provisions (RID) | : TP1 |
| Tank codes for RID tanks (RID) | : LGBF |
| Transport category (RID) | : 3 |
| Special provisions for carriage – Packages (RID) | : W12 |
| Colis express (express parcels) (RID) | : CE4 |
| Hazard identification number (RID) | : 30 |

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

| | |
|---------------------------|---|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

MSDS Reach Annex II DL-Chem

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.