

Fast catalyser

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

1.1 - Product identifier

Trade name/designation Fast catalyser

Chemical name

Product-type Mixture

Product code 3430

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

Relevant identified uses

- Industrial uses
- For professional use only

Uses advised against

- Not suitable for home work (DIY).

1.3 - Details of the supplier of the safety data sheet

MIX PLAST SARL

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1.4 - Emergency telephone number

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

| | |
|-------------------------|---|
| Acute Tox. 4 Inhalation | Acute toxicity (inhalative) - Category 4 |
| STOT SE 3 (H335) | STOT-single exposure - Category 3 (H335) |
| STOT SE 3 (H336) | STOT-single exposure - Category 3 (H336) |
| Skin Sens. 1 | Skin sensitization - Category 1 |
| Eye Irrit. 2 | Eye irritation - Category 2 |
| Flam. Liq. 3 | Flammable liquid and vapour. - Category 3 |

2.2 - Label elements

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

Contains: n-butyl acetate (CAS No.: 123-86-4)||Hexamethylene diisocyanate, oligomers (CAS No.: 28182-81-2)

Signal word : Warning

Hazard pictograms



Hazard statements

| | |
|------|-------------------------------------|
| H226 | Flammable liquid and vapour |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |

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| | |
|--------------------------|-----------------------------------|
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |
| H336 | May cause drowsiness or dizziness |
| Precautionary statements | |

| | |
|-----------|---|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P264 | Wash hands thoroughly after handling. |
| P280 | Wear eye protection, face protection. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P312 | Call a a POISON CENTER, a doctor if you feel unwell. |
| P370+P378 | In case of fire: Use Carbon dioxide (CO2), alcohol-resistant foam, extinguishing powder for extinction. |

EUH-phrases

| | |
|--------|--|
| EUH066 | Repeated exposure may cause skin dryness or cracking |
| EUH208 | Contains hexamethylene diisocyanate (822-06-0) Hexamethylene diisocyanate, oligomers (28182-81-2) . May produce an allergic reaction |

2.3 - Other hazards

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

| Chemical name | No | % | Class | Spec. concentrations |
|---------------------------------------|---|---------|---|----------------------|
| Hexamethylene diisocyanate, oligomers | CAS No. : 28182-81-2 Index No. : EC No. : 500-060-2 | 44 - 60 | Acute Tox. 4 Inhalation - H332 Skin Sens. 1 - H317 STOT SE 3 (H335) - H335 | Not applicable |
| n-butyl acetate | CAS No. : 123-86-4 Index No. : 607-025-00-1 EC No. : 204-658-1 | 29 - 45 | Flam. Liq. 3 - H226 STOT SE 3 (H336) - H336 | Not applicable |
| 2-methoxy-1-methylethyl acetate | CAS No. : 108-65-6 Index No. : 607-195-00-7 EC No. : 203-603-9 | 4 - 10 | Flam. Liq. 3 - H226 | Not applicable |
| Xylene | CAS No. : 1330-20-7 Index No. : 601-022-00-9 EC No. : 215-535-7 | 4 - 10 | Acute Tox. 4 Dermal - H312 Acute Tox. 4 Inhalation - H332 Asp. Tox. 1 - H304 Eye Irrit. 2 - H319 Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 STOT RE 2 - H373 STOT SE 3 (H335) - H335 | Not applicable |
| ethyl acetate | CAS No. : 141-78-6 Index No. : 607-022-00-5 EC No. : 205-500-4 | 4 - 10 | Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336 | Not applicable |

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| Chemical name | No | % | Class | Spec. concentrations |
|----------------------------|--|---------|---|---|
| hexamethylene diisocyanate | CAS No. : 822-06-0 Index No. : 615-011-00-1 EC No. : 212-485-8 | 0 - 0,5 | Acute Tox. 2 Inhalation - H330 Acute Tox. 4 Oral - H302 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 STOT SE 3 (H335) - H335 | Resp. Sens. 1 - H334 : 0,5>=%<=100 Skin Sens. 1 - H317 : 0,5>=%<=100 |

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- After inhaling vapours, first symptoms of poisoning may develop hours later, so always consult a doctor.
- Provide fresh air.
- If breathing is irregular or stopped, administer artificial respiration.

Following skin contact

- Remove contaminated, saturated clothing immediately.
- After contact with skin, wash immediately with plenty of water and soap.
- In case of skin reactions, consult a physician.

After eye contact

- Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of eye irritation consult an ophthalmologist.

After ingestion

- Let water be drunken in little sips (dilution effect).
- Call a physician immediately.
- Do NOT induce vomiting.

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

Symptoms and effects - Following inhalation

- No information available.

Symptoms and effects - Following skin contact

- Causes skin irritation.

Symptoms and effects - After eye contact

- No information available.

Symptoms and effects - After ingestion

- No information available.

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

- Treat symptomatically. Antidotal dispensation.
- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO2)
- Foam
- Extinguishing powder

Unsuitable extinguishing media

- Full water jet

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5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - Hazardous combustion products

- Explosion risk in case of fire.

Hazardous decomposition products - No information available.

5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Remove product from area of fire.
- Usual measures for fire prevention.
- Move undamaged containers from immediate hazard area if it can be done safely.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- firefighter boots (HO A29 or A30)
- flame arrestor combination (EN469)
- Container device with compressed air (DIN EN 137)
- flameproof gloves (EN 659)

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Wear breathing apparatus if exposed to vapours/dusts/aerosols.
- Remove persons to safety.
- Use personal protection equipment.
- Provide adequate ventilation.
- Remove all sources of ignition.

For emergency responders

- Wear breathing apparatus if exposed to vapours/dusts/aerosols.
- Wear personal protection equipment (refer to section 8).
- Evacuate area.
- Provide adequate ventilation.
- Remove all sources of ignition.

6.2 - Environmental precautions

- Do not allow to enter into soil/subsoil.
- Do not allow to enter into surface water or drains.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment - Soak up inert absorbent and dispose as waste requiring special attention.

Methods and material for cleaning up

- Ventilate affected area.
- Clear contaminated areas thoroughly.
- Take up mechanically, placing in appropriate containers for disposal.
- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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- Clean contaminated articles and floor according to the environmental legislation.

Inappropriate techniques

- No information available.

6.4 - Reference to other sections

- Personal protection equipment: see section 8
- Disposal: see section 13

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- See section 8.
- All work processes must always be designed so that the following is excluded: Inhalation
- All work processes must always be designed so that the following is excluded: generation/formation of aerosols
- Vapours/aerosols must be exhausted directly at the point of origin.
- After use replace the closing cap immediately.
- Avoid: Skin contact
- It is recommended to design all work processes always so that the following is excluded: Skin contact
- It is recommended to design all work processes always so that the following is excluded: Generation/formation of dust
- It is recommended to design all work processes always so that the following is excluded: generation/formation of aerosols
- Vapours can form explosive mixtures with air.
- Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.
- Use only in well-ventilated areas.
- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
- Take precautionary measures against static discharges.
- Do not eat, drink or smoke when using this product.

Advices on general occupational hygiene

- Work in well-ventilated zones or use proper respiratory protection.
- Wash hands before breaks and after work.
- When using do not eat, drink, smoke, sniff.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep/Store only in original container.
- Keep container tightly closed and in a well-ventilated place.
- Protect against: Heat
- Do not store together with: Combustible substance
- Storage class Non-combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects
- Storage class Flammable liquids

7.3 - Specific end use(s)

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SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

Appropriate engineering controls

- Technical measures and the application of suitable work processes have priority over personal protection equipment.
- Provide adequate ventilation as well as local exhaustion at critical locations.

Individual protection measures, such as personal protective equipment

- Suitable respiratory protection apparatus: Self-contained respirator (breathing apparatus) (DIN EN 133)



- Combination filtering device (EN 14387)
- Container device with compressed air (DIN EN 137)
- Suitable respiratory protection apparatus: Fresh-air tube device (DIN EN 138)
- Tested protective gloves must be worn



- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- DIN EN 374
- Suitable material: NBR (Nitrile rubber)
- Suitable material: PVA (Polyvinyl alcohol)
- Suitable protective clothing: lab coat



- Required properties: antistatic
- Eye protection



- DIN EN 166
- Barrier creams are not substitutes for body protection.

Environmental exposure controls

- Safety, health and environmental regulations specific for the product in question
- Other regulations (EU)

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SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

| Physical state | Liquid | Appearance | Liquid |
|-------------------------------|------------|--------------------|-----------------|
| Colour | colourless | Odour | Typical solvent |
| Odour threshold | | No data available | |
| pH | | No data available | |
| Melting point | | No data available | |
| Freezing point | | No data available | |
| Boiling point | | > 35 °C | |
| Flash point | | < 23 °C | |
| Evaporation rate | | No data available | |
| flammability | | No data available | |
| Lower explosion limit | | 1,2 % Vol. 15°C | |
| Upper explosion limit | | 7,3 % Vol. 15°C | |
| Vapour pressure | | 8,5 hPa 20°C | |
| Vapour density | | No data available | |
| Relative density | | 0,986 kg/l 20°C | |
| Density | | No data available | |
| Solubility (Water) | | not soluble | |
| Solubility (Ethanol) | | No data available | |
| Solubility (Acetone) | | No data available | |
| Solubility (Organic solvents) | | No data available | |
| Log KOC | | No data available | |
| Auto-ignition temperature | | No data available | |
| Decomposition temperature | | No data available | |
| Kinematic viscosity | | No data available | |
| Dynamic viscosity | | No data available | |

9.2 - Other information

| | |
|-------------------------|-------------------|
| VOC content | 342,54 g/l |
| Minimum ignition energy | No data available |
| Conductivity | No data available |

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

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- In use may form flammable/explosive vapour-air mixture.

10.4 - Conditions to avoid

- In case of warming: Ignition hazard
- Take precautionary measures against static discharges.
- Remove all sources of ignition.

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

11.1 - Information on toxicological effects

Acute toxicity - Acute toxicity (inhalative) - Category 4 - Harmful if inhaled

Toxicity : Mixture

| | |
|---------------------------------------|-------------------|
| LD50 oral (rat) | No data available |
| LD50 dermal (rat) | No data available |
| LD50 dermal (rabbit) | No data available |
| LC50 inhalation (rat) | No data available |
| LC50 inhalation dusts and mists (rat) | No data available |
| LC50 inhalation vapours (rat) | No data available |

- Harmful by inhalation.
- Toxic by inhalation.

Toxicity : Substances

| | |
|---|----------------|
| n-butyl acetate (123-86-4) | |
| LD50 oral (rat) | > 12000 mg/kg |
| LD50 dermal (rabbit) | > 14000 mg/kg |
| LC50 inhalation (rat) | 0.74 mg/l/4h |
| 2-methoxy-1-methylethyl acetate (108-65-6) | |
| LD50 oral (rat) | 6190 mg/kg |
| LD50 dermal (rat) | > 2000 mg/kg |
| Xylene (1330-20-7) | |
| LD50 oral (rat) | > 3500 mg/kg |
| LD50 dermal (rat) | > 5000 mg/kg |
| LD50 dermal (rabbit) | > 4200 mg/kg |
| LC50 inhalation (rat) | 6.700 ppm (4h) |
| ethyl acetate (141-78-6) | |
| LD50 oral (rat) | > 4934 mg/kg |
| LD50 dermal (rabbit) | > 20000 mg/kg |
| hexamethylene diisocyanate (822-06-0) | |
| LD50 oral (rat) | 959 mg/kg |

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| | |
|-----------------------|---------------|
| LD50 dermal (rat) | > 7000 mg/kg |
| LC50 inhalation (rat) | 0.124 mg/l/4h |

| | |
|--|---|
| <u>Skin corrosion/irritation</u> | - Not classified |
| <u>Serious eye damage/eye irritation</u> | - Eye irritation - Category 2 - Causes serious eye irritation |
| <u>Respiratory or skin sensitisation</u> | - Skin sensitization - Category 1 - May cause an allergic skin reaction |
| | - May cause sensitization by skin contact. - May cause an allergic skin reaction. |
| <u>Germ cell mutagenicity</u> | - Not classified |
| <u>Carcinogenicity</u> | - Not classified |
| <u>Reproductive toxicity</u> | - Not classified |
| <u>STOT-single exposure</u> | - STOT-single exposure - Category 3 (H335) - May cause respiratory irritation - STOT-single exposure - Category 3 (H336) - May cause drowsiness or dizziness |
| <u>STOT-repeated exposure</u> | - Not classified |
| <u>Aspiration hazard</u> | - Not classified |

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

| | |
|-----------------------------------|-------------------|
| EC50 48 hr crustacea | No data available |
| LC50 96 hr fish | No data available |
| ErC50 algae | No data available |
| ErC50 other aquatic plants | No data available |
| NOEC chronic fish | No data available |
| NOEC chronic crustacea | No data available |
| NOEC chronic algae | No data available |
| NOEC chronic other aquatic plants | No data available |

Toxicity : Substances

| n-butyl acetate (123-86-4) | |
|--|-----------------|
| EC50 48 hr crustacea | 44 mg/l |
| LC50 96 hr fish | 18 mg/l |
| ErC50 algae | 397 mg/l 72h |
| ErC50 other aquatic plants | 397 mg/l 72h |
| NOEC chronic crustacea | 23,2 mg/l |
| NOEC chronic algae | 196 mg/l |
| NOEC chronic other aquatic plants | 196 mg/l |
| 2-methoxy-1-methylethyl acetate (108-65-6) | |
| EC50 48 hr crustacea | > 500 mg/l |

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| | |
|--|--------------------|
| LC50 96 hr fish | > 100 mg/l |
| ErC50 algae | > 1000 mg/l 72h |
| ErC50 other aquatic plants | > 1000 mg/l 72h |
| NOEC chronic fish | 47,5 mg/l |
| NOEC chronic crustacea | > 100 mg/l |
| NOEC chronic algae | >= 1000 mg/l |
| NOEC chronic other aquatic plants | >= 1000 mg/l |
| Xylene (1330-20-7) | |
| LC50 96 hr fish | 2,6 mg/l |
| ErC50 algae | 1,9 mg/l |
| ErC50 other aquatic plants | 1,9 mg/l |
| NOEC chronic fish | > 1,3 mg/l |
| NOEC chronic crustacea | 1,17 mg/l |
| ethyl acetate (141-78-6) | |
| LC50 96 hr fish | 230 mg/l |
| NOEC chronic fish | > 75,6 mg/l |
| NOEC chronic crustacea | 2,4 mg/l |
| NOEC chronic algae | > 100 mg/l 72h |
| NOEC chronic other aquatic plants | > 100 mg/l 72h |
| hexamethylene diisocyanate (822-06-0) | |
| ErC50 algae | > 77,4 mg/l 72h |
| ErC50 other aquatic plants | > 77,4 mg/l 72h |
| NOEC chronic algae | 11,7 mg/l |
| NOEC chronic other aquatic plants | 11,7 mg/l |

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

| | |
|---------------------------------|-------------------|
| Biochemical oxygen demand (BOD) | No data available |
| Chemical oxygen demand (COD) | No data available |
| % of biodegradation in 28 days | No data available |

- No information available.

12.3 - Bioaccumulative potential

| | |
|-------------------------------|-------------------|
| Bioconcentration factor (BCF) | No data available |
| Log KOC | No data available |

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

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12.6 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods

- Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
- Handle contaminated packages in the same way as the substance itself.

Sewage disposal

- No information available.

Special precautions for waste treatment

- Waste requires special monitoring.
- Collect the waste separately.
- Send to a hazardous waste incinerator facility under observation of official regulations.
- Waste requires monitoring.
- The waste is to be kept separate from other types of waste until its disposal.

Community or national or regional provisions

- No information available.

SECTION 14: Transport information

14.1 - UN number

| | | |
|-------------------------|---|--------|
| <u>UN number (ADR)</u> | : | UN1263 |
| <u>UN number (RID)</u> | : | UN1263 |
| <u>UN number (IMDG)</u> | : | UN1263 |
| <u>UN number (IATA)</u> | : | UN1263 |

14.2 - UN proper shipping name

| | | |
|---------------------------------------|---|---|
| <u>UN proper shipping name (ADR)</u> | : | PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C not more than 110 kPa) 640D |
| <u>UN proper shipping name (RID)</u> | : | PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C not more than 110 kPa) 640D |
| <u>UN proper shipping name (IMDG)</u> | : | PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C not more than 110 kPa) 640D |
| <u>UN proper shipping name (IATA)</u> | : | PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C not more than 110 kPa) 640D |

14.3 - Transport hazard class(es)

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ADR Transport hazard class(es) : 3

ADR Classification code: : F1

Pictograms



Transport hazard class(es) (RID) : 3

Pictograms



Transport hazard class(es) (IMDG) : 3

Pictograms



Transport hazard class(es) (IATA) : 3

Pictograms



14.4 - Packing group

Packing group : II

Packing group (RID) : II

Packing group (IMDG) : II

Packing group (IATA) : II

14.5 - Environmental hazards

Environmental hazards : No

Marine pollutant : No

14.6 - Special precautions for user



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ADR

| | | |
|--|---|----------------------|
| <u>ADR Classification code:</u> | : | F1 |
| <u>ADR Special provisions</u> | : | 163+ 640D+650+367 |
| <u>ADR Limited quantity (LQ)</u> | : | 5 L |
| <u>ADR Excepted quantities</u> | : | E2 |
| <u>ADR Packing instructions</u> | : | P001 IBC02 R001 |
| <u>ADR Special packing provisions</u> | : | PP1 |
| <u>ADR Mixed packing provisions</u> | : | MP19 |
| <u>Instructions for portable tanks and bulk containers</u> | : | T4 |
| <u>Special provisions for portable tanks and bulk containers</u> | : | TP1 TP8 TP28 |
| <u>ADR tank code</u> | : | LGBF |
| <u>ADR tanks special provisions</u> | : | |
| <u>Vehicle for tank carriage</u> | : | FL |
| <u>ADR Transport category</u> | : | 2 |
| <u>ADR Tunnel restriction code</u> | : | D/E |
| <u>ADR Special provisions loading, unloading and handling</u> | : | |
| <u>Special provisions - Packages</u> | : | |
| <u>Special provisions - Bulk</u> | : | |
| <u>Special provisions - Operation</u> | : | S2, S20 |
| <u>ADR Hazard identification number (Kemler No.)</u> | : | 33 |

RID

| | | |
|------------------------------|---|----|
| <u>Special provisions</u> | : | |
| <u>Limited quantity (LQ)</u> | : | 5L |
| <u>Excepted quantities</u> | : | E2 |

IMDG

| | | |
|--|---|-----------|
| <u>Special provisions</u> | : | |
| <u>Limited quantity (LQ)</u> | : | 5L |
| <u>Excepted quantities</u> | : | |
| <u>Packing instructions</u> | : | |
| <u>Special packing provisions</u> | : | |
| <u>IBC instruction(s)</u> | : | |
| <u>IBC provisions</u> | : | |
| <u>Instructions for portable tanks and bulk containers</u> | : | |
| <u>Special provisions for portable tanks and bulk containers</u> | : | |
| <u>EmS codes</u> | : | F-E , S-E |
| <u>Stowage and handling</u> | : | |
| <u>Segregation</u> | : | |
| <u>Properties and observations</u> | : | |

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IATA

| | | |
|---|---|---------------|
| PCA - Excepted quantities | : | |
| PCA - Limited Quantity - Packing Instructions | : | |
| PCA - Limited Quantity - Maximum Net Quantity per Package | : | |
| PCA - Packing Instructions | : | 353 |
| PCA - Maximum Net Quantity per Package | : | 5L |
| CAO - Packing Instructions | : | 364 |
| CAO - Maximum Net Quantity per Package | : | 60L |
| Special Provisions | : | A3, A72, A192 |
| ERG Code | : | |

14.7 - Transport in bulk according to 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

Substances REACH None
candidates

Substances Annex XIV None

Substances Annex XVII None

VOC content 342,54 g/l

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

| Version | Issue date | Description of the amendments |
|---------|------------|-------------------------------|
| 1 | 17/09/2018 | New product |

Texts of the regulatory sentences

| | |
|-------------------------|--|
| Acute Tox. 2 Inhalation | Acute toxicity (inhalative) - Category 2 |
| Acute Tox. 4 Dermal | Acute toxicity (dermal) - Category 4 |
| Acute Tox. 4 Inhalation | Acute toxicity (inhalative) - Category 4 |
| Acute Tox. 4 Oral | Acute toxicity (oral) - Category 4 |
| Asp. Tox. 1 | Aspiration hazard - Category 1 |
| Eye Irrit. 2 | Eye irritation - Category 2 |
| Flam. Liq. 2 | Flammable liquid and vapour. - Category 2 |
| Flam. Liq. 3 | Flammable liquid and vapour. - Category 3 |
| H225 | Highly flammable liquid and vapour |
| H226 | Flammable liquid and vapour |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |

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| | |
|---------------------|---|
| H312 | Harmful in contact with skin |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H330 | Fatal if inhaled |
| H332 | Harmful if inhaled |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| H335 | May cause respiratory irritation |
| H336 | May cause drowsiness or dizziness |
| H373 | May cause damage to organs or state all organs affected, if known through prolonged or repeated exposure - state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard |
| Resp. Sens. 1 | Sensitisation — Respiratory, category 1 |
| Skin Irrit. 2 | Irritation, Category 2 |
| Skin Sens. 1 | Skin sensitization - Category 1 |
| STOT RE 2 | STOT-repeated exposure - Category 2 |
| STOT SE 3 (H335) | STOT-single exposure - Category 3 (H335) |
| STOT SE 3 (H336) | STOT-single exposure - Category 3 (H336) |

*** **