



HYSOL GR 2320

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 1/12/2023 Revision date: 1/12/2023 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Trade name : HYSOL GR 2320

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Molding Compound

1.2.2. Uses advised against

Restrictions on use : No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Hysol Huawei Electronic Co., Ltd.
No.8 Zhenhua Road, High-tech Industrial Development Zone,
Lianyungang, Jiangsu
T +86 518-85155187 - F +86 518 85153825

Only Representative

CAPLINQ Europe BV
Industrieweg 15E
1566JN Assendelft
Netherlands
+31 (20) 893 2224

1.4. Emergency telephone number

Emergency number : +86 518-81089316

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

| | |
|--|-------|
| Serious eye damage/eye irritation, Category 2 | H319 |
| Skin sensitisation, Category 1 | H317 |
| Reproductive toxicity, Category 2 | H361f |
| Full text of H- and EUH-statements: see section 16 | |

Adverse physicochemical, human health and environmental effects

Suspected of damaging fertility or the unborn child. May cause an allergic skin reaction. Causes serious eye irritation.

2.2. Label elements

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

Hazard pictograms (CLP) :



| | |
|-------------------------|--|
| Signal word (CLP) | : Warning |
| Hazard statements (CLP) | : H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H361f - Suspected of damaging fertility. |

HYSOL GR 2320

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Precautionary statements (CLP) : P201 - Obtain special instructions before use.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing 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.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

2.3. Other hazards

Other hazards which do not result in classification : No information available.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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] |
|---|---|---------------------|--|
| Silica, vitreous | CAS-No.: 60676-86-0 EC-No.: 262-373-8;424-440-1 | $\geq 60 - \leq 80$ | Not classified |
| Formaldehyde, polymer with (chloromethyl)oxirane and 2-methylphenol | CAS-No.: 29690-82-2 EC-No.: 608-398-3 | $\geq 10 - \leq 20$ | Not classified |
| Phenol-formaldehyde polymer | CAS-No.: 9003-35-4 EC-No.: 500-005-2 | $\geq 5 - \leq 10$ | Eye Irrit. 2, H319 Skin Sens. 1, H317 |
| 1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, compound with 1,3,5-triazine-2,4,6-triamine (1:1) | CAS-No.: 37640-57-6 EC-No.: 253-575-7 | $\geq 1 - \leq 5$ | Repr. 2, H361f STOT RE 2, H373 |
| Aluminum hydroxide (Al(OH) ₃) | CAS-No.: 21645-51-2 EC-No.: 244-492-7 | $\geq 1 - \leq 5$ | Not classified |
| Zinc borate hydrate | CAS-No.: 138265-88-0 EC-No.: 235-804-2;604-070-9 | $\geq 1 - \leq 3$ | Eye Irrit. 2, H319 Repr. 2, H361 Aquatic Acute 1, H400 |
| Formaldehyde, polymer with (chloromethyl)oxirane and phenol | CAS-No.: 9003-36-5 EC-No.: 500-006-8 | $\geq 0.1 - \leq 1$ | Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411 |
| Pyrimido[1,2-a]azepine, 2,3,4,6,7,8,9,10-octahydro- | CAS-No.: 6674-22-2 EC-No.: 229-713-7 | $\geq 0.1 - \leq 1$ | Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314 Eye Dam. 1, H318 |

Full text of H- and EUH-statements: see section 16

HYSOL GR 2320

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : IF exposed or concerned: Get medical advice/attention. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Call a poison center or a doctor if you feel unwell. |

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

| | |
|------------------|--|
| Symptoms/effects | : Suspected of damaging fertility or the unborn child. May cause an allergic skin reaction. Causes serious eye irritation. |
|------------------|--|

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|----------------------------------|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. |
| Unsuitable extinguishing media | : High pressure waterjet |

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| Hazardous decomposition products in case of fire | : Hydrocarbons. Irritating vapors. Oxides of zinc. May produce fumes when heated to decomposition. Fumes may contain carbon monoxide and other toxic fumes. |
|--|---|

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. |
|----------------------|--|

6.1.2. For emergency responders

| | |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| Methods for cleaning up | : Mechanically recover the product. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Notify authorities if product enters sewers or public waters. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

For further information refer to section 13.

HYSOL GR 2320

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Take action to prevent static discharges. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.
- Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in original containers closed.
- Storage conditions : Protect from heat and direct sunlight. Store locked up. Store in a well-ventilated place. Keep cool.
- Incompatible materials : Strong oxidizing agents.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| Silica, vitreous (60676-86-0) | |
|---|--|
| Austria - Occupational Exposure Limits | |
| MAK (OEL TWA) | 0.3 mg/m ³ (respirable fraction (Silica, amorphous)) |
| Belgium - Occupational Exposure Limits | |
| OEL TWA | 0.1 mg/m ³ (alveolar dust) |
| Croatia - Occupational Exposure Limits | |
| GVI (OEL TWA) [1] | 0.08 mg/m ³ (respirable dust) |
| Denmark - Occupational Exposure Limits | |
| OEL TWA [1] | 0.1 mg/m ³ (respirable) |
| Germany - Occupational Exposure Limits (TRGS 900) | |
| AGW (OEL TWA) [1] | 0.3 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-respirable fraction) |
| Ireland - Occupational Exposure Limits | |
| OEL TWA [1] | 0.08 mg/m ³ (respirable dust) |
| OEL STEL | 0.24 mg/m ³ (calculated-total inhalable dust) |
| Poland - Occupational Exposure Limits | |
| NDS (OEL TWA) | 2 mg/m ³ (inhalable fraction) 1 mg/m ³ (respirable fraction) |
| Slovenia - Occupational Exposure Limits | |
| OEL TWA | 0.3 mg/m ³ (respirable fraction) |
| United Kingdom - Occupational Exposure Limits | |
| WEL TWA (OEL TWA) [1] | 0.08 mg/m ³ (respirable dust) |
| WEL STEL (OEL STEL) | 0.24 mg/m ³ (calculated-respirable dust) |

HYSOL GR 2320

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Silica, vitreous (60676-86-0)

Switzerland - Occupational Exposure Limits

| | |
|-------------------|---|
| MAK (OEL TWA) [1] | 0.3 mg/m ³ (including Silica, amorphous-respirable dust) |
|-------------------|---|

Phenol-formaldehyde polymer (9003-35-4)

Czech Republic - Occupational Exposure Limits

| | |
|---------------|----------------------------|
| PEL (OEL TWA) | 5 mg/m ³ (dust) |
|---------------|----------------------------|

Germany - Occupational Exposure Limits (TRGS 900)

| | |
|-------------------|---|
| AGW (OEL TWA) [1] | 1.25 mg/m ³ (respirable fraction (plastic dust)) 10 mg/m ³ (inhalable fraction (plastic dust)) |
|-------------------|---|

Lithuania - Occupational Exposure Limits

| | |
|----------------|--------------------------------------|
| IPRV (OEL TWA) | 3 mg/m ³ (thermoset dust) |
|----------------|--------------------------------------|

1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, compound with 1,3,5-triazine-2,4,6-triamine (1:1) (37640-57-6)

Lithuania - Occupational Exposure Limits

| | |
|-----------------------|-----------------------|
| IPRV (OEL TWA) | 0.5 mg/m ³ |
| OEL chemical category | Skin notation |

Aluminum hydroxide (Al(OH)₃) (21645-51-2)

Austria - Occupational Exposure Limits

| | |
|----------------|--|
| MAK (OEL TWA) | 5 mg/m ³ (respirable fraction) |
| MAK (OEL STEL) | 10 mg/m ³ (respirable fraction) |

Germany - Occupational Exposure Limits (TRGS 900)

| | |
|-------------------|---|
| AGW (OEL TWA) [1] | 1.25 mg/m ³ (respirable fraction (dust)) 10 mg/m ³ (inhalable fraction (dust)) |
|-------------------|---|

Latvia - Occupational Exposure Limits

| | |
|---------|---------------------|
| OEL TWA | 6 mg/m ³ |
|---------|---------------------|

Lithuania - Occupational Exposure Limits

| | |
|-----------------------|----------------------|
| IPRV (OEL TWA) | 6 mg/m ³ |
| OEL chemical category | Fibrogenic substance |

Poland - Occupational Exposure Limits

| | |
|---------------|---|
| NDS (OEL TWA) | 2.5 mg/m ³ (inhalable fraction) 1.2 mg/m ³ (respirable fraction) |
|---------------|---|

Slovakia - Occupational Exposure Limits

| | |
|--------------------|---|
| NPHV (OEL TWA) [1] | 1.5 mg/m ³ (respirable fraction, dust) 4 mg/m ³ (inhalable dust) |
|--------------------|---|

Switzerland - Occupational Exposure Limits

| | |
|-------------------|---------------------------------------|
| MAK (OEL TWA) [1] | 3 mg/m ³ (respirable dust) |
|-------------------|---------------------------------------|

Switzerland - BAT

| | |
|-----|---|
| BAT | 50 µg/g creatinine Parameter: Aluminum - Medium: urine - Sampling time: after several shifts (for long-term exposures) Parameter: Aluminum - Medium: urine - Sampling time: after several shifts (for long-term exposures) |
|-----|---|

8.1.2. Recommended monitoring procedures

No additional information available

HYSOL GR 2320

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Emergency eye wash fountain with clean water. Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Protective goggles or face shield. Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust)

Hand protection:

Chemical resistant gloves (according to European standard EN 374 or equivalent)

8.2.2.3. Respiratory protection

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---------------------------|---|
| Physical state | : Solid |
| Colour | : Black. |
| Appearance | : Black granules or tablet |
| Odour | : slightly. |
| Odour threshold | : Not available |
| Melting point | : > 60 °C |
| Freezing point | : Not applicable. |
| Boiling point | : Polymerization may occur at elevated temperature. |
| Flammability | : Non flammable. |
| Explosive properties | : No data available. |
| Oxidising properties | : No data available. |
| Explosive limits | : Not applicable. |
| Lower explosion limit | : Not applicable. |
| Upper explosion limit | : Not applicable. |
| Flash point | : Not applicable. |
| Auto-ignition temperature | : Not applicable. |
| Decomposition temperature | : Not available |
| pH | : Not available |
| pH solution | : Not available |

HYSOL GR 2320

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| | |
|---|-----------------------------|
| Viscosity, kinematic | : Not applicable. |
| Solubility | : Insoluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50 °C | : Not available |
| Density | : 1.8 – 2 g/cm ³ |
| Relative density | : 1.8 – 2 |
| Relative vapour density at 20 °C | : Not applicable. |
| Particle size | : Not available |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with strong oxidants. Polymerization may occur at elevated temperature or in the presence of incompatible materials.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reacts with strong oxidants. Polymerization may occur at elevated temperature or in the presence of incompatible materials.

10.4. Conditions to avoid

Danger of dust explosions. Take measures to prevent the build-up of electrostatic charges. Danger of decomposition if exposed to heat.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Hydrocarbons. Irritating vapors. Oxides of zinc. May produce fumes when heated to decomposition. Fumes may contain carbon monoxide and other toxic fumes.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

| | |
|-----------------------------|------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| Phenol-formaldehyde polymer (9003-35-4) | |
|--|---------------|
| LD50 oral rat | > 5 g/kg |
| LD50 dermal rat | > 2000 mg/kg |
| 1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, compound with 1,3,5-triazine-2,4,6-triamine (1:1) (37640-57-6) | |
| LD50 oral rat | 2500 mg/kg |
| LC50 Inhalation - Rat | > 5.1 mg/l/4h |

HYSOL GR 2320

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Aluminum hydroxide (Al(OH)₃) (21645-51-2)

LD50 oral rat > 5000 mg/kg

Formaldehyde, polymer with (chloromethyl)oxirane and phenol (9003-36-5)

LD50 oral rat > 2 g/kg

LD50 dermal rat 2000 mg/kg

Pyrimido[1,2-a]azepine, 2,3,4,6,7,8,9,10-octahydro- (6674-22-2)

LD50 oral rat 300 – 2000 mg/kg

Skin corrosion/irritation : Not classified

Aluminum hydroxide (Al(OH)₃) (21645-51-2)

pH 8.4 – 10.2

Serious eye damage/irritation : Causes serious eye irritation.

Aluminum hydroxide (Al(OH)₃) (21645-51-2)

pH 8.4 – 10.2

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Silica, vitreous (60676-86-0)

IARC group 3 - Not classifiable

Reproductive toxicity : Suspected of damaging fertility.

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, compound with 1,3,5-triazine-2,4,6-triamine (1:1) (37640-57-6)

STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

11.2.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

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

Hazardous to the aquatic environment, long-term (chronic) : Not classified

1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, compound with 1,3,5-triazine-2,4,6-triamine (1:1) (37640-57-6)

LC50 - Fish [1] > 10000 mg/l (Exposure time: 96 h - Species: Danio rerio [static])

HYSOL GR 2320

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

| Phenol-formaldehyde polymer (9003-35-4) | |
|---|--|
| Partition coefficient n-octanol/water (Log Pow) | 3.564 (at 25 °C (at pH 4.6) |
| Pyrimido[1,2-a]azepine, 2,3,4,6,7,8,9,10-octahydro- (6674-22-2) | |
| BCF - Fish [1] | (3,6 dimensionless (total lipid content) |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

| HYSOL GR 2320 | |
|--|--|
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII | |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII | |

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

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

| ADR | IMDG | IATA | ADN | RID |
|----------------------------------|---------------|---------------|---------------|---------------|
| 14.1. UN number or ID number | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shipping name | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |

HYSOL GR 2320

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| ADR | IMDG | IATA | ADN | RID |
|--|---------------|---------------|---------------|---------------|
| 14.5. Environmental hazards | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

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

REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

HYSOL GR 2320

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 16: Other information

Indication of changes:

Not applicable.

Abbreviations and acronyms:

| | |
|---------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |

HYSOL GR 2320

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| | |
|-------------------|--|
| Version | : 1.0 |
| Issue date | : 1/12/2023 |
| Revision date | : 1/12/2023 |
| Data sources | : ECHA reference. Loli. |
| Training advice | : Normal use of this product shall imply use in accordance with the instructions on the packaging. |
| Other information | : No information available. |

Full text of H- and EUH-statements:

| | |
|---------------------|--|
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| H301 | Toxic if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H361f | Suspected of damaging fertility. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| STOT RE 2 | Specific target organ toxicity – Repeated exposure, Category 2 |

Safety Data Sheet (SDS), EU

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.