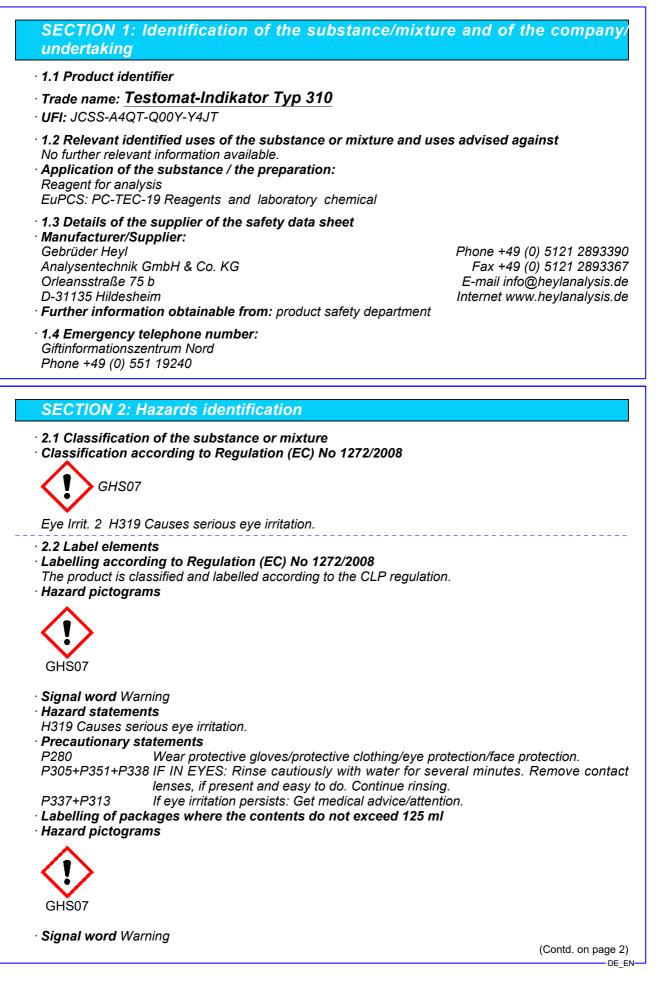
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- · Hazard statements Void Precautionary statements Void
- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · Determination of endocrine-disrupting properties Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description:

Mixture of substances listed below with nonhazardous additions according to Regulation (EC) No 1272/2008.

| Dangerous components: | | |
|---|--|----------------------|
| CAS: 25322-68-3 NLP: 500-038-2 Reg.nr.: 01-2119958801-32 | Polyethylene glycol substance with a Community workplace exposure limit | 50 – 100% |
| CAS: 110-97-4 EINECS: 203-820-9 Index number: 603-083-00-7 Reg.nr.: 01-2119475444-34 | 1,1'-iminodipropan-2-ol | 10 – 25% |
| CAS: 102-71-6 EINECS: 203-049-8 Reg.nr.: 01-2119486482-31 | Triethanolamine substance with a Community workplace exposure limit | 2.5 – 10% |
| CAS: 60-00-4 EINECS: 200-449-4 Index number: 607-429-00-8 Reg.nr.: 01-2119486399-18 | edetic acid | ≥ 2.5 - < 10% |
| CAS: 547-58-0 EINECS: 208-925-3 | sodium 4-(4-dimethylaminophenylazo) benzenesulphonate � Acute Tox. 3, H301 | <i>≤</i> 1% |

· SVHC Not applicable.

• Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information: Immediately remove any clothing soiled by the product.

· After inhalation: Supply fresh air; consult doctor in case of complaints.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· After eve contact:

Rinse opened eye for several minutes under running water. Then consult a doctor. • After swallowing:

A person vomiting while laying on their back should be turned onto their side. Rinse out mouth and then drink plenty of water. Seek medical treatment.

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

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 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- · Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · 5.2 Special hazards arising from the substance or mixture
- No further relevant information available.
- 5.3 Advice for firefighters

· Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear personal protection equipment.
- · 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations. Clean the affected area carefully; suitable cleaners are: Warm water

- 6.4 Reference to other sections
- See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- · Information about fire and explosion protection: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
- · Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Keep container tightly sealed.
- Protect from heat and direct sunlight.
- Store receptacle in a well ventilated area.
- · Recommended storage temperature: 15 25 °C
- Storage class:

Storage class 10: Combustible liquids that cannot be assigned to any other storage classes (TRGS 510)

· 7.3 Specific end use(s) No further relevant information available.

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GEBRÜDER HEYL

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| 8.1 Control para | |
|---|--|
| · · · · · · · · · · · · · · · · · · · | meters |
| Ingredients with | limit values that require monitoring at the workplace: |
| CAS: 25322-68-3 Polyethylene glycol | |
| AGW (Germany) | Long-term value: 200 E mg/m³ 2(II);DFG, Y |
| CAS: 102-71-6 T | riethanolamine |
| | Long-term value: 1 E mg/m³ 1(I);DFG, Y |
| CAS: 60-00-4 ed | |
| MAK (Germany) | |
| | |
| Individual protection General protection The usual precause Keep away from f Immediately remose Wash hands befon Avoid contact with Do not eat, drink, Respiratory protection In case of brief exp exposure use self Hand protection | ineering controls No further data; see section 7. ction measures, such as personal protective equipment ve and hygienic measures: tionary measures are to be adhered to when handling chemicals. foodstuffs, beverages and feed. we all soiled and contaminated clothing re breaks and at the end of work. In the eyes and skin. smoke or sniff while working. |
| Mear doves acco | |
| The glove mater preparation. Selection of the g degradation Check protective Preventive skin pr After use of glove Material of glove The selection of th of quality and vari Penetration time The exact break th has to be observe For the permane Nitrile rubber, NBI Recommended th Value for the perm | he suitable gloves does not only depend on the material, but also on further marks ies from manufacturer to manufacturer. • of glove material through time has to be found out by the manufacturer of the protective gloves and ed. • nt contact gloves made of the following materials are suitable: |

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Recommended thickness of the material: \geq 0.12 mm Value for the permeation: Level = 2 (> 30 min)Eye/face protection

Tightly sealed goggles according to EN 166

· Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

| 9.1 Information on basic physical and chemi General Information | ical properties |
|--|---|
| Physical state | Fluid |
| Colour: | Green |
| Odour: | Characteristic |
| | |
| Odour threshold: | Not determined. |
| Melting point/freezing point: | Undetermined. |
| Boiling point or initial boiling point and | l la de la versione d |
| boiling range | Undetermined. |
| Flammability | Not applicable. |
| Lower and upper explosion limit | |
| Lower: | Not determined. |
| Upper: | Not determined. |
| Flash point: | Undetermined. |
| Auto-ignition temperature: | Not determined. |
| Decomposition temperature: | Not determined. |
| рН (100 g/l) at 20 °C | 10 |
| Viscosity: | |
| Kinematic: | Not determined. |
| Dynamic: | Not determined. |
| Solubility | |
| water: | Fully miscible. |
| Partition coefficient n-octanol/water (log | - |
| value) | Not determined. |
| Vapour pressure: | Not determined. |
| Density and/or relative density | |
| Density at 20 °C: | 1.11 g/cm³ |
| Relative density | Not determined. |
| Vapour density | Not determined. |
| • • | |
| 9.2 Other information | L |
| Important information on protection of healt | n |
| and environment, and on safety. | Dreduct is not colfignities |
| Ignition temperature: | Product is not selfigniting. |
| Explosive properties: | Product does not present an explosion hazard. |
| Solvent content: | |
| VOCV (CH) | 0.0 % |
| Change in condition | |
| Evaporation rate | Not determined. |
| Information with regard to physical hazar | d |
| classes | |
| Explosives | Void |
| Flammable gases | Void |
| Aerosols | Void |
| | |
| | (Contd. on page |



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|---|------|-------------------|
| Oxidising gases | Void | |
| Gases under pressure | Void | |
| Flammable liquids | Void | |
| Flammable solids | Void | |
| Self-reactive substances and mixtures | Void | |
| Pyrophoric liquids | Void | |
| Pyrophoric solids | Void | |
| Self-heating substances and mixtures Substances and mixtures, which emit | Void | |
| flammable gases in contact with water | Void | |
| Oxidising liquids | Void | |
| Oxidising solids | Void | |
| Organic peroxides | Void | |
| Corrosive to metals | Void | |
| Desensitised explosives | Void | |

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:

Exothermic neutralisation reaction with acids.

Under certain conditions possible formation of nitrosamines in the presence of nitrites or reagents causing nitrosation.

· 10.3 Possibility of hazardous reactions No dangerous reactions known.

- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials:

Acids, nitrites, reagents causing nitrosation.

Do not use tools made of aluminium or copper or their alloys.

• 10.6 Hazardous decomposition products: Nitrogen oxides

SECTION 11: Toxicological information

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

· Acute toxicity Based on available data, the classification criteria are not met.

| Oral | LD50 | > 2,000 mg/kg (rat) |
|------------|-------------|--|
| Dermal | LD50 | > 2,000 mg/kg (rat) |
| CAS: 110 | -97-4 1,1'- | iminodipropan-2-ol |
| Oral | LD50 | > 2,000 mg/kg (rat) |
| Dermal | LD50 | > 8,000 mg/kg (rabbit) |
| CAS: 102 | -71-6 Trie | hanolamine |
| Oral | LD50 | > 2,000 mg/kg (rat) |
| Dermal | LD50 | > 2,000 mg/kg (rabbit) |
| CAS: 60-0 | 0-4 edetic | acid acid |
| Oral | LD50 | > 2,000 – 4,500 mg/kg (rat) |
| Inhalative | LC50/6 h | 1,000 – 5,000 mg/l (rat) |
| CAS: 547 | -58-0 sodi | um 4-(4-dimethylaminophenylazo)benzenesulphonate |
| Oral | LD50 | 60 mg/kg (rat) |



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- · Serious eye damage/irritation Causes serious eye irritation.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met. STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.
- · 11.2 Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- 12.7 Other adverse effects
- · Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

- · Uncleaned packaging:
- Recommendation:

Packagings that may not be cleansed are to be disposed of in the same manner as the product. Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

| 14.1 UN number or ID number | | |
|------------------------------|------|--|
| ADR, ADN, IMDG, IATA | Void | |
| 14.2 UN proper shipping name | | |
| ADR, ADN, IMDG, IATA | Void | |



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|--|--|
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA · Class | Void |
| · 14.4 Packing group · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: · Marine pollutant: | No |
| • 14.6 Special precautions for user | Not applicable. |
| 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients is listed.

· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals None of the ingredients is listed.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX (Ozone- depleting potential)

None of the ingredients is listed.

· National regulations:

· Information about limitation of use: Employment restrictions concerning juveniles must be observed.

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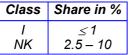
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(Contd. of page 8) Employment restrictions concerning pregnant and lactating women must be observed.

Technical instructions (air):



· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

· Other regulations, limitations and prohibitive regulations

- · Substances of very high concern (SVHC) according to REACH, Article 57
- None of the ingredients is listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases H301 Toxic if swallowed. H319 Causes serious eye irritation.

- · Department issuing SDS: product safety department
- · Date of previous version: 17.05.2021
- · Version number of previous version: 14
- · Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

- ICAO: International Civil Aviation Organisation ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

- vPvB: very Persistent and very Bioaccumulative
- Acute Tox. 3: Acute toxicity Category 3
- Eye Irrit. 2: Serious eye damage/eye irritation Category 2 * Data compared to the previous version altered.

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