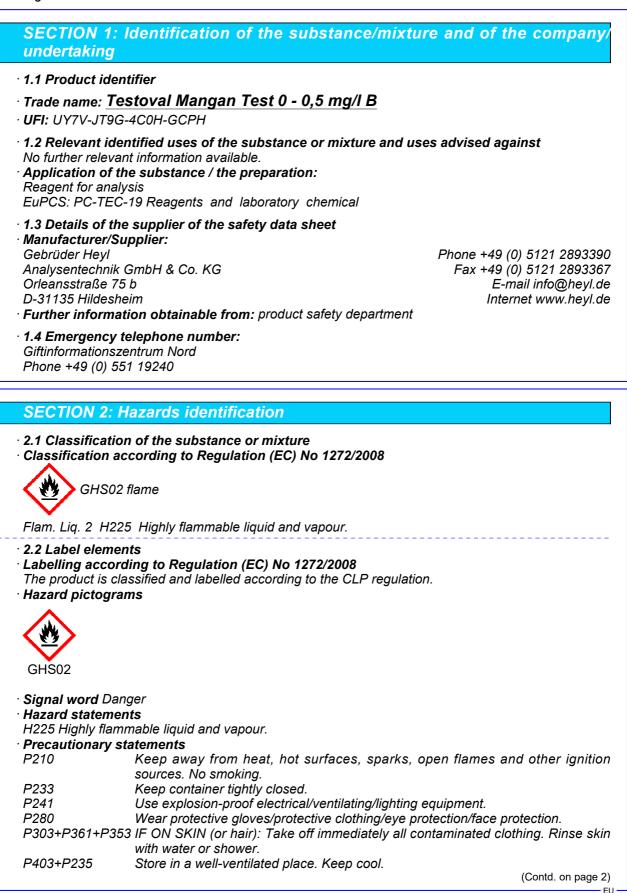


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· Labelling of packages where the contents do not exceed 125 ml · Hazard pictograms



- · Signal word Danger
- · Hazard statements Void
- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: 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: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43	ethanol 🚸 Flam. Liq. 2, H225	50 – 100%
CAS: 129-73-7 EINECS: 204-961-9 Index number: 612-281-00-2	N,N,N',N'-Tetramethyl-4,4'-benzylidenedianiline 🛞 Muta. 2, H341; Carc. 2, H351	≥ 0.1 – < 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 eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, 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.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

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#### SECTION 5: Firefighting measures

<sup>·</sup> 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 Can form explosive gas-air mixtures.
- 5.3 Advice for firefighters
- Protective equipment: Wear self-contained respiratory protective device.
- · Additional information Cool endangered receptacles with water spray.

#### **SECTION 6: Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
- Ensure adequate ventilation.

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** Prevent formation of aerosols. Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- **Requirements to be met by storerooms and receptacles:** Store in a cool location. 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 in cool, dry conditions in well sealed
- Store in cool, dry conditions in well sealed receptacles.
- Store receptacle in a well ventilated area.
- Recommended storage temperature: 15 25 °C
- 7.3 Specific end use(s) No further relevant information available.

#### SECTION 8: Exposure controls/personal protection

• Additional information about design of technical facilities: No further data; see item 7.

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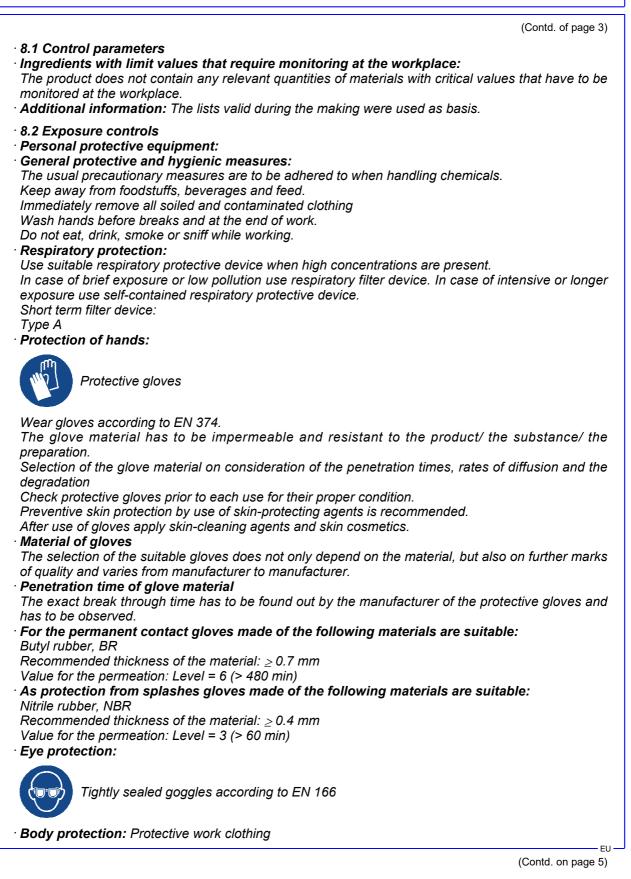
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SECTION 9: Physical and chemical properties			
<ul> <li>9.1 Information on basic physical and chemical properties</li> <li>General Information</li> </ul>			
· Appearance: Form:	Fluid		
Colour:	Colourless		
· Odour:	Alcohol-like		
· Odour threshold:	Not determined.		
· pH-value at 20 °C:	7		
<ul> <li>Change in condition Melting point/freezing point: Initial boiling point and boiling range.</li> </ul>	-114.5 °C : 78 °C		
· Flash point:	13 °C		
· Flammability (solid, gas):	Not applicable.		
· Ignition temperature:	425 °C Not determined.		
· Decomposition temperature:	Not determined.		
· Auto-ignition temperature:	Product is not selfigniting.		
• Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.		
· Explosion limits: Lower: Upper:	3.5 Vol % 15 Vol %		
· Vapour pressure at 20 °C:	59 hPa		
· Density at 20 °C:	0.79 g/cm <sup>3</sup>		
Relative density	Not determined.		
Vapour density	Not determined.		
· Evaporation rate	Not determined.		
<ul> <li>Solubility in / Miscibility with water:</li> </ul>	Fully miscible.		
· Partition coefficient: n-octanol/water:	Not determined.		
<ul> <li>Viscosity:</li> <li>Dynamic:</li> <li>Kinematic:</li> <li>9.2 Other information</li> </ul>	Not determined. Not determined. No further relevant information available.		

#### SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

- · 10.2 Chemical stability
- **Thermal decomposition** / **conditions to be avoided:** No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions
- Reacts with strong acids and oxidising agents.
- Forms explosive gas mixture with air.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.

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• **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

#### SECTION 11: Toxicological information

#### · 11.1 Information on toxicological effects

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

#### · LD/LC50 values relevant for classification:

#### CAS: 64-17-5 ethanol

Oral	LD50	> 8,300 mg/kg (mouse)
	1 0 - 0 / / /	

Inhalative LC50/4 h 115.9 – 133.8 mg/l (rat)

#### · Primary irritant effect:

· Skin corrosion/irritation Based on available data, the classification criteria are not met.

· Serious eye damage/irritation Based on available data, the classification criteria are not met.

- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- 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.

### **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.
- 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.

#### 12.5 Results of PBT and vPvB assessment

- · PBT: Not applicable.
- · vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

#### 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.

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

SECTION 14: Transport information	
14.1 UN-Number ADR, IMDG, IATA	UN1993
14.2 UN proper shipping name ADR	1993 FLAMMABLE LIQUID, N.O.S. (ETHANO (ETHYL ALCOHOL))
IMDG IATA	FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHY ALCOHOL))
14.3 Transport hazard class(es)	FLAMMABLE LIQUID, N.O.S. (ETHANOL)
ADR, IMDG, IATA	
Class Label	3 Flammable liquids. 3
14.4 Packing group ADR, IMDG, IATA	11
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category	Warning: Flammable liquids. 33 F-E, <u>S-E</u> B
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
Transport/Additional information:	Void
<i>ADR Limited quantities (LQ) Excepted quantities (EQ)</i>	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 m
Transport category Tunnel restriction code	2 D/E
<i>IMDG Limited quantities (LQ) Excepted quantities (EQ)</i>	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 m
UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S (ETHANOL (ETHYL ALCOHOL)), 3, II

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#### 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.
- · Seveso category P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- · National regulations:
- · Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

· 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.

Relevant phrases

H225 Highly flammable liquid and vapour. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer.

· Department issuing SDS: product safety department. · 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) ICAO: International Civil Aviation Organisation ADR: Accord européen sur le transport 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) 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 Flam. Liq. 2: Flammable liquids - Category 2 Muta. 2: Germ cell mutagenicity - Category 2 Carc. 2: Carcinogenicity - Category 2 \* \* Data compared to the previous version altered.