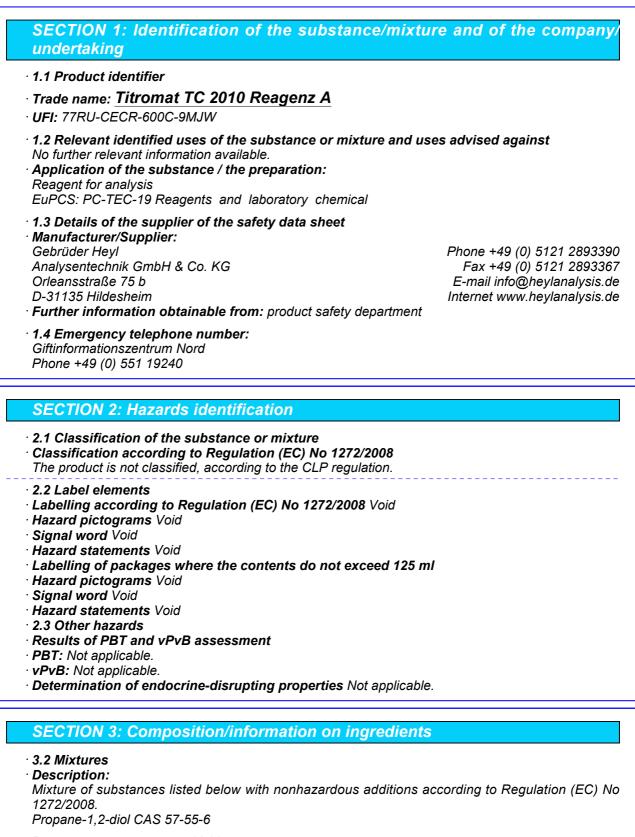
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· Dangerous components: Void

· SVHC Not applicable.

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

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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.

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 Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

- · 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 Prevent formation of aerosols. Ensure good ventilation/exhaustion at the workplace.
- Information about fire and explosion protection: Fumes can combine with air to form an explosive mixture. Keep ignition sources away - Do not smoke.

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- · 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.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

CAS: 57-55-6 Propylene glycol

MAK (Germany) als Dampf und Aerosol;vgl.Abschn.Ilb und Xc

· Regulatory information MAK (Germany): MAK- und BAT-Liste

• Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

- · Appropriate engineering controls No further data; see section 7.
- Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not eat, drink, smoke or sniff while working.

· Respiratory protection:

Use suitable respiratory protective device when aerosol or mist is formed. Filter: Type A In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Hand protection

Wear gloves according to EN 374.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the dearadation

Check protective gloves prior to each use for their proper condition.

Preventive skin protection by use of skin-protecting agents is recommended.

After use of gloves apply skin-cleaning agents and skin cosmetics.

• Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable: Nitrile rubber, NBR

Recommended thickness of the material: \geq 0.12 mm Value for the permeation: Level = 6 (> 480 min)

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GEBRÜDER HEYL

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	(Contd. of page ade of the following materials are suitable:
Nitrile rubber, NBR	-
Recommended thickness of the material:	
Value for the permeation: Level = 6 (> 480 Eye/face protection Goggles according to	
Body protection: Protective work clothing	
	9
SECTION 9: Physical and chemi	cal properties
SECTION 9. Physical and chemin	
9.1 Information on basic physical and o	chemical properties
General Information Physical state	Liquid
Colour:	Yellow
Odour:	Odourless
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and	
boiling range	Undetermined.
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	2.6 Vol %
Upper:	12.6 Vol %
Flash point:	Undetermined.
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH at 20 °C	4
Viscosity: Kinematic:	Not determined
	Not determined. Not determined.
Dynamic: Solubility	Not determined.
water:	Fully miscible.
Partition coefficient n-octanol/water (lo	
value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 20 °C:	1.03 g/cm³
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Important information on protection of	nealth
and environment, and on safety.	Product is not colfignition
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation explosive air/vapour mixtures are possible.
Solvent content:	
VOCV (CH)	0.0 %
Change in condition	
Evaporation rate	Not determined.
Information with regard to physical l classes	hazard
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
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· Flammable liquids	Void	
Flammable solids	Void	
• Self-reactive substances and mixtures	Void	
· Pyrophoric liquids	Void	
· Pyrophoric solids	Void	
Self-heating substances and mixtures	Void	
· Substances and mixtures, which emit		
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: To avoid thermal decomposition do not overheat.
- · 10.3 Possibility of hazardous reactions

Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised. Reacts with oxidising agents.

- 10.4 Conditions to avoid No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- 10.6 Hazardous decomposition products: Flammable gases/vapours

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.

· LD/LC50 values relevant for classification:

CAS: 57-55-6 Propylene alvcol

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Oral	LD50	22,000 mg/kg (rat)		
Dermal	LD50	22,000 mg/kg (rat) > 2,000 mg/kg (rabbit)		
Inhalative	LC50/4 h	44.9 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.

- 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.

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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 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.

SECTION 14: Transport information					
14.1 UN number or ID number ADR, ADN, IMDG, IATA	Void				
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Void				
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.				
<i>14.7 Maritime transport in bulk according t IMO instruments</i>	o Not applicable.				
Transport/Additional information:	Not dangerous specifications.	according	to	the	above



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· 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 (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 (EU) 2024/590 on substances that deplete the ozone layer

None of the ingredients is listed.

· National regulations:

Technical instructions (air):

Class Share in %

50 – 100 NK

· 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.

· Department issuing SDS: product safety department

· Date of previous version: 28.01.2022

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Abbreviations a	•	
RID: Règlement int Concerning the Inter	ernational concernant le transp rnational Transport of Dangerous	oort des marchandises dangereuses par chemin de fer (Regulatio ; Goods by Rail)
	Civil Aviation Organisation	
	au transport international des ma rriage of Dangerous Goods by Ro	archandises dangereuses par route (European Agreement Concerr pad)
IMDG: International	Maritime Code for Dangerous Go	oods
IATA: International A	Air Transport Association	
GHS: Globally Harm	nonised System of Classification a	and Labelling of Chemicals
EINECS: European	Inventory of Existing Commercial	I Chemical Substances
ELINCS: European	List of Notified Chemical Substan	ices
CAS: Chemical Abs	tracts Service (division of the Am	erican Chemical Society)
		hen Verbindungen, Schweiz (Swiss Ordinance on volatile orga
LC50: Lethal concer	tration. 50 percent	
LD50: Lethal dose,	· · ·	
,	accumulative and Toxic	
,	of Very High Concern	
	nt and very Bioaccumulative	
	d to the previous versior	n altered
		D