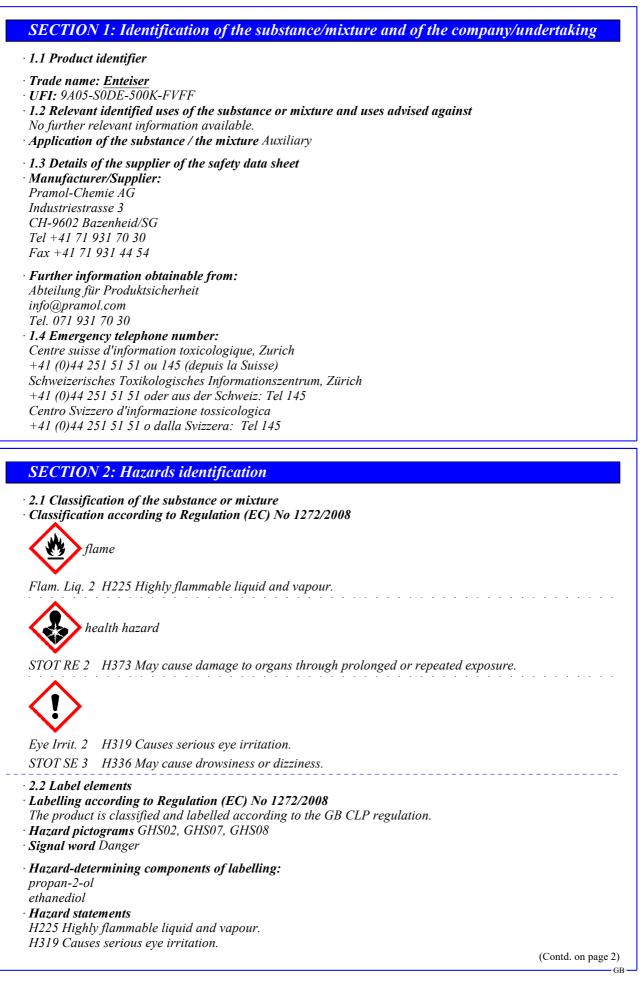
Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.12.2022

Version number 19 (replaces version 18)

Revision: 19.12.2022



Safety data sheet

Version number 19 (replaces version 18)

according to 1907/2006/EC, Article 31

Revision: 19.12.2022

Trade name: Enteiser

Printing date 19.12.2022

(Contd. of page	: 1)
H336 May cause drowsiness or dizziness.	
H373 May cause damage to organs through prolonged or repeated exposure.	
Precautionary statements	
P280 Wear eye protection / face protection.	
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin w water [or shower].	ith
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing.	if
P405 Store locked up.	
<i>P501 Dispose of contents/container in accordance with local/regional/national/internation regulations.</i>	ıal
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.

· Dangerous components:	
CAS: 67-63-0 propan-2-ol	50-100%
EINECS: 200-661-7 🚯 Flam. Liq. 2, H225; 🚯 Eye Irrit. 2, H319; STOT SE 3, H336	
Reg.nr.: 01-2119457558-25	
CAS: 107-21-1 ethanediol	20-25%
EINECS: 203-473-3 🚯 STOT RE 2, H373; 🚯 Acute Tox. 4, H302	
Reg.nr.: 01-2119456816-28	

• 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:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- *After skin contact: Generally the product does not irritate the skin.*
- After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- · After swallowing: Call for a doctor immediately.
- 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 No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

(Contd. on page 3)

*

*

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.12.2022

Version number 19 (replaces version 18)

Revision: 19.12.2022

Trade name: Enteiser

(Contd. of page 2)

SECTIO	N 6: Accidental release me	asures
Wear prote 6.2 Enviro Dilute with Do not all 6.3 Metho Absorb wi Dispose co Ensure ad 6.4 Refere See Section See Section	al precautions, protective equipm ective equipment. Keep unprotecter onmental precautions: a plenty of water. bow to enter sewers/ surface or gro ds and material for containment th liquid-binding material (sand, a contaminated material as waste acce equate ventilation. nce to other sections n 7 for information on safe handli. n 8 for information on personal pr n 13 for disposal information.	ed persons away. und water. and cleaning up: diatomite, acid binders, universal binders, sawdust). cording to item 13. ng.
SECTIO	N 7: Handling and storage	
Ensure go Prevent fo Information Keep ignit Protect ag 7.2 Condia Storage: Requirement Further in Keep conta Store in co Storage cl	on about storage in one common formation about storage condition ainer tightly sealed. ool, dry conditions in well sealed r	tection: any incompatibilities receptacles: Store in a cool location. storage facility: Not required. ons: receptacles.
SECTIO	N 8: Exposure controls/per	sonal protection
· 8.1 Contro	ol parameters	
5	ts with limit values that require m	onitoring at the workplace:
	opan-2-ol	
	·t-term value: 1250 mg/m³, 500 pp g-term value: 999 mg/m³, 400 ppn	
107-21-1 e		•
WEL Show Long	rt-term value: 104** mg/m³, 40** g-term value: 10* 52** mg/m³, 20 particulate **vapour	
· DNELs		
67-63-0 pi	opan-2-ol	
Oral	e ,	26 mg/kg bw/day (general population)
Dermal	DNEL long term systemic effects	
		888 mg/kg bw/day (workers)
Inhalative	DNEL long term systemic effects	
		500 mg/m3 (workers)
		(Contd. on page 4)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.12.2022

Version number 19 (replaces version 18)

Revision: 19.12.2022

Trade name: Enteiser

107-21-1 e	ethane	ediol	(Contd. of page
Dermal			53 mg/kg bw/day (general population)
			106 mg/kg bw/day (workers)
Inhalative DNE		L long term systemic effects	mg/m3 (general population)
			35 mg/m3 (workers)
	DNE	L short term local effects	7 mg/m3 (general population)
PNECs			0 10 11 /
67-63-0 pr	ronan-	-2-ol	
PNEC	opun	140.9 mg/l (intermittent rel	ease)
I IIIE C		2,251 mg/l (sewage plant)	
PNEC aqu	ia	140.9 mg/l (fresh water)	
I NEC uqu	iu	140.9 mg/l (sea water)	
DNEC and	in ant	e (,	
PNEC sea	imeni	552 mg/kg (fresh water)	
DUEC	1	552 mg/kg (sea water)	
PNEC gro		28 mg/kg (ground)	
107-21-1 е	ethane		
PNEC		10 mg/l (intermittent releas	e)
		199.5 mg/l (sewage plant)	
PNEC aqu	ıa	10 mg/l (fresh water)	
		1 mg/l (sea water)	
PNEC sed	iment	20.9 mg/kg (fresh water)	
PNEC gro	und	1.53 mg/kg (ground)	
Additional	l infor	mation: The lists valid durin	ng the making were used as basis.
Individual General pa Keep away Immediate Wash hand Avoid cont Avoid cont Avoid cont Avoid cont Expirator Hand prot Material of The selecti and varies resistance application Penetratio	te eng prote rotecti y from ly rem ls befo tact wit tact wit wit tact wit tact wit wit tact wit wit tact wit wit wit tact wit wit wit wit wit wit wit wit wit wi	ineering controls No further ction measures, such as per ive and hygienic measures: foodstuffs, beverages and fe tove all soiled and contamin ore breaks and at the end of ith the eyes. ith the eyes and skin. tection: Not required. Not required. es the suitable gloves does not manufacturer to manufact glove material can not be c e of glove material trough time has to be foun	r sonal protective equipment red. ated clothing
	Tight		

(Contd. on page 5)

GB

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.12.2022

Version number 19 (replaces version 18)

Revision: 19.12.2022

(Contd. of page 4)

Trade name: Enteiser

SECTION 9: Physical and chemical prop	perties
9.1 Information on basic physical and chemical p	
General Information	ropenies
Physical state	Fluid
•	Blue
Colour:	
Odour:	<i>Characteristic</i>
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling	02.00
range	82 °C
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	2 Vol %
Upper:	53 Vol %
Flash point:	13 °C
Ignition temperature:	410 °C
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
Solubility	
water:	Fully miscible.
	Not determined.
Partition coefficient n-octanol/water (log value)	43 hPa
Vapour pressure at 20 °C:	45 nPa
Density and/or relative density	0.05 / 3
Density at 20 °C:	0.85 g/cm^3
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Fluid
Important information on protection of health an environment, and on safety.	d
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of
Explosive properties.	explosive air/vapour mixtures are possible.
Salvant congration toot	explosive un/vapour mixiares are possible.
Solvent separation test:	75.0.0/
Organic solvents:	75.0 %
Water:	0.0 %
Change in condition	
Evaporation rate	Not determined.
Information with regard to physical hazard classe	25
Explosives	Void
· · · · · · · · · · · · · · · · · · ·	Void
Flammable gases	Void
1 minimuore guses	Void
Aerosols	Void
Aerosois	
0.11.1	Void
Oxidising gases	Void
	Void
Gases under pressure	Void
	Void
Flammable liquids	Highly flammable liquid and vapour.
	Void

(Contd. on page 6)

GB

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.12.2022

Version number 19 (replaces version 18)

Trade name: Enteiser

		(Contd. of page 5)
· Flammable solids	Void	
	Void	
Self-reactive substances and mixtures	Void	
	Void	
· Pyrophoric liquids	Void	
	Void	
· Pyrophoric solids	Void	
	Void	
Self-heating substances and mixtures	Void	
	Void	
· Substances and mixtures, which emit flamm	able	
gases in contact with water	Void	
	Void	
• Oxidising liquids	Void	
	Void	
• Oxidising solids	Void	
	Void	
· Organic peroxides	Void	
	Void	
• Corrosive to metals	Void	
	Void	
Desensitised explosives	Void	
-	Void	

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 according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.

• 10.4 Conditions to avoid No further relevant information available.

- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

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

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

67-63-0 pr	opan-2-ol	
Oral	LD50	5,280 mg/kg (Rat)
Dermal	LD50	17,600 mg/kg (Rabbit)
107-21-1 е	thanediol	
Oral	LD50	5,840 mg/kg (Rat)
Dermal	LD50	9,530 mg/kg (Rabbit)
Inhalative	LC50/4 h	>5 mg/l (Rat)

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

(Contd. on page 7)

Page 7/9

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.12.2022

Version number 19 (replaces version 18)

Revision: 19.12.2022

(Contd. of page 6)

Trade name: Enteiser

· 11.2 Information on other hazards

• Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

• Aquatic toxicity:

67-63-0 propan-2-ol

EC50 (48h) 13,299 mg/l (Daphnia magna)

LC50 (96h) 9,640 mg/l (Pimephales promelas)

107-21-1 ethanediol

EC50 (48h) 41,100 mg/l (Daphnia magna)

EC50 (24h) > 10,000 mg/l (Daphnia magna)

LC50 (96h) <100 mg/l (leu)

40,761 mg/l (Oncorhynchus mykiss)

72,860 mg/l (Pimephales promelas)

40,761 mg/l (sal)

EC50 (96h) 6,500-13,000 mg/l (pseudokirchneriella subcapitata)

· 12.2 Persistence and degradability Easily biodegradable

• 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

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

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

· Uncleaned packaging:

· Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. • *Recommended cleansing agents: Water, if necessary together with cleansing agents.*

SECTION 14: Transport information

· 14.1 UN number or ID number · ADR, IMDG, IATA

UN1993

(Contd. on page 8)

Page 8/9

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.12.2022

Version number 19 (replaces version 18)

Revision: 19.12.2022

Trade name: Enteiser

	(Contd. of page
14.2 UN proper shipping name ADR	1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPANO (ISOPROPYL ALCOHOL))
IMDG, IATA	(ISOPROPYL ALCOHOL)) FLAMMABLE LIQUID, N.O.S. (ISOPROPANO (ISOPROPYL ALCOHOL))
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
Class	3 Flammable liquids.
Label	3
14.4 Packing group ADR, IMDG, IATA	11
14.5 Environmental hazards:	-
<i>Marine pollutant:</i>	No
14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	33
Stowage Category	В
14.7 Maritime transport in bulk according to IM	
instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Transport category	2
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S (ISOPROPANOL (ISOPROPYL ALCOHOL)), 3, II

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

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

(Contd. on page 9)

GB

Page 9/9

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.12.2022

Version number 19 (replaces version 18)

Revision: 19.12.2022

Trade name: Enteiser

(Contd. of page 8)

This information is based on our present knowledge. However, this shall not constitute a guarantee	for a
specific product features and shall not establish a legally valid contractual relationship.	
Relevant phrases	
H225 Highly flammable liquid and vapour.	
H302 Harmful if swallowed.	
H319 Causes serious eye irritation.	
H336 May cause drowsiness or dizziness.	
H373 May cause damage to organs through prolonged or repeated exposure.	
Abbreviations and acronyms:	
Abbreviations and acronyms. ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concer	rnina i
International Carriage of Dangerous Goods by Road)	ning i
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) DNEL: Derived No-Effect Level (UK REACH)	
DNEL: Derived No-Effect Level (OK REACH) PNEC: Predicted No-Effect Concentration (UK REACH)	
LC50: Lethal concentration, 50 percent	
LD50: Lethal dose, 50 percent	
PBT: Persistent, Bioaccumulative and Toxic	
vPvB: very Persistent and very Bioaccumulative	
Flam. Liq. 2: Flammable liquids – Category 2	
Acute Tox. 4: Acute toxicity – Category 4	
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 STOT SE 3: Specific target target target target to citate experiments of the category 2	
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2	
* Data compared to the previous version altered.	
Dum comparea to the previous version unerea.	