Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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

* **1.1. Product identifier**
Trade name/designation:

Mycoplasma Off™

Article No.:
15-5000, 15-1000, 15-0050

UFI:
XF6K-E0M5-UP1H-N57C

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

Use of the substance/mixture:
The product is intended for research, analysis and scientific education.

Relevant identified uses:

Life cycle stage [LCS]
PW: Widespread use by professional workers
Sector of uses [SU]
SU 24: Scientific research and development
Product Categories [PC]
PC 8: Biocidal product
PC 35: Washing and cleaning products

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Minerva Biolabs GmbH
Schkopauer Ring 13
12681 Berlin
Germany
Telephone: +49 30 2000437 0
E-mail: ehs@minerva-biolabs.com
Website: www.minerva-biolabs.com

1.4. Emergency telephone number

Vergiftungs-Informations-Zentrale Freiburg, 24h: +49 761 19240

SECTION 2: Hazards identification

* **2.1. Classification of the substance or mixture**

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids *(Flam. Liq. 3)*	H226: Flammable liquid and vapour.	On basis of test data.
Serious eye damage/eye irritation *(Eye Dam. 1)*	H318: Causes serious eye damage.	Calculation method.
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	Calculation method.

* **2.2. Label elements**

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

GHS02
Flame

GHS05
Corrosion

GHS07
Exclamation mark

Signal word: Danger

Hazard statements for physical hazards	
H226	Flammable liquid and vapour.

Hazard statements for health hazards	
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

Supplemental hazard information: none

Precautionary statements Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/protective clothing and eye/face protection.

Precautionary statements Response	
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

*
2.3. Other hazards

Adverse physicochemical effects:

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

Adverse human health effects and symptoms:

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 3: Composition/information on ingredients

*
3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 71-23-8 EC No.: 200-746-9 Index No.: 603-003-00-0 REACH No.: 01-2119486761-29	**propan-1-ol** Eye Dam. 1 (H318), Flam. Liq. 2 (H225), STOT SE 3 (H336)  Danger	30 – < 50 weight-%
CAS No.: 64-17-5 EC No.: 200-578-6 Index No.: 603-002-00-5 REACH No.: 01-2119457610-43-XXXX	**ethanol** Flam. Liq. 2 (H225)  Danger	10 – < 30 weight-%
CAS No.: 34590-94-8 EC No.: 252-104-2 REACH No.: 01-2119450011-60-XXXX	**Dipropylene glycol monomethyl ether** Substance with a community workplace exposure limit.	1 – ≤ 5 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing immediately. Do not leave affected person unattended. If unconscious but breathing normally, place in recovery position and seek medical advice. Warning First aider: Pay attention to self-protection!

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician. Get medical advice/attention if you feel unwell.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:
In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion:
Rinse mouth. Get medical advice/attention if you feel unwell. Let 1 glass of water be drunken in little sips (dilution effect).

Self-protection of the first aider:
Use personal protection equipment.

4.2. Most important symptoms and effects, both acute and delayed
Serious eye damage/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 jet, alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO2)

Unsuitable extinguishing media:
Full water jet

5.2. Special hazards arising from the substance or mixture
Combustible. Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Hazardous combustion products:
In case of fire: Carbon monoxide, Carbon dioxide (CO2). Vapours can form explosive mixtures with air.

5.3. Advice for firefighters
Fight fire with normal precautions from a reasonable distance. Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Personal precautions:
Remove persons to safety. Use personal protective equipment as required. Avoid contact with skin, eyes and clothes.

Protective equipment:
Wear protective gloves/protective clothing and eye/face protection.

6.1.2. For emergency responders
Personal protection equipment:
Personal protection equipment: see section 8

6.2. Environmental precautions
Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up
For containment:
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up:
Water (with cleaning agent)

6.4. Reference to other sections
Safe handling: see section 7, Personal protection equipment: see section 8, Disposal: see section 13

6.5. Additional information
Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

* **7.1. Precautions for safe handling**

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8). Wash hands before breaks and after work. Keep away from: Food and feedingstuffs. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Do not breathe mist/vapours/spray.

Fire prevent measures:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Vapours can form explosive mixtures with air.

Advices on general occupational hygiene

Avoid contact with skin, eyes and clothes. When using do not eat, drink, smoke, sniff.

* **7.2. Conditions for safe storage, including any incompatibilities**

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place. Keep out of reach of children.

Requirements for storage rooms and vessels:

Keep container tightly closed in a cool, well-ventilated place. Recommended storage temperature: at room temperature. Protect from sunlight.

Hints on storage assembly:

Do not store together with: Food and feedingstuffs (TRGS 510)

Storage class (TRGS 510, Germany): 3 – Flammable liquids

Further information on storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

* **8.1. Control parameters**

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE) from 29 Mar 2019	**ethanol** CAS No.: 64-17-5 EC No.: 200-578-6	① 200 ppm (380 mg/m³) ② 800 ppm (1,520 mg/m³) ⑤ DFG, Y
IOELV (EU)	**Dipropylene glycol monomethyl ether** CAS No.: 34590-94-8 EC No.: 252-104-2	① 50 ppm (308 mg/m³) ⑤ (may be absorbed through the skin)
TRGS 900 (DE)	**Dipropylene glycol monomethyl ether** CAS No.: 34590-94-8 EC No.: 252-104-2	① 50 ppm (310 mg/m³) ② 50 ppm (310 mg/m³) ⑤ (Aerosol und Dampf) DFG, EU, 11

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

* **8.2. Exposure controls**

8.2.1. Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Avoid breathing vapours and spray.

8.2.2. Personal protection equipment

Eye/face protection:
Eye glasses with side protection (EN 166)

Skin protection:
Tested protective gloves must be worn (EN ISO 374). Take recovery periods for skin regeneration. Breakthrough times and swelling properties of the material must be taken into consideration. Suitable material: Butyl caoutchouc (butyl rubber), Thickness of the glove material: > 0,35 mm. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Respiratory protection:
Usually no personal respirative protection necessary. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

Other protection measures:
Wash hands before breaks and after work.

8.2.3. Environmental exposure controls
No data available

SECTION 9: Physical and chemical properties

*

9.1. Information on basic physical and chemical properties

Appearance
Physical state: Liquid **Colour:** transparent
Odour: Alcohol

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	≈ 8	20 °C	
Melting point	-114.5 °C		① OECD 102
Freezing point	*not determined*		
Initial boiling point and boiling range	*not determined*		
Decomposition temperature	*not determined*		
Flash point	28 °C		① DIN 51755 part 1
Evaporation rate	*not determined*		
Auto-ignition temperature	*not determined*		
Upper/lower flammability or explosive limits	2.5 – 15 Vol-%		
Vapour pressure	*not determined*		
Vapour density	*not determined*		
Density	0.9 g/cm³	20 °C	
Relative density	*not determined*		
Bulk density	*not determined*		
Water solubility	completely miscible		
Partition coefficient: n-octanol/water	*not determined*		
Dynamic viscosity	*not determined*		
Kinematic viscosity	*not determined*		

9.2. Other information
No data available

SECTION 10: Stability and reactivity

*

10.1. Reactivity
This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability
The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid
Further information on proper storage: see section 7.

10.5. Incompatible materials
No further relevant information available.

10.6. Hazardous decomposition products
No known hazardous decomposition products. Decomposition products in case of fire: see section 5.

SECTION 11: Toxicological information

*

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

propan-1-ol CAS No.: 71-23-8 EC No.: 200-746-9
LD_{50} oral: 8,000mg/kg (Rat)
LD_{50} dermal: 4,032mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (vapour): >33.8mg/L 4h (Rat)
LC_{50} Acute inhalation toxicity (dust/mist): >51.91mg/L 8h (rat) OECD Guideline 403 (Acute Inhalation Toxicity)
ethanol CAS No.: 64-17-5 EC No.: 200-578-6
LD_{50} oral: 10,470mg/kg (Rat) OECD 401
LD_{50} dermal: >2,000mg/kg (Rat) OECD 402
LC_{50} Acute inhalation toxicity (vapour): 116.9mg/L 4h (Rat) OECD 403
Dipropylene glycol monomethyl ether CAS No.: 34590-94-8 EC No.: 252-104-2
LD_{50} oral: >5,000mg/kg (rat) OECD Guideline 401 (Acute Oral Toxicity)
LD_{50} dermal: 9,510mg/kg (rabbit) OECD Guideline 402 (Acute Dermal Toxicity)

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

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

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

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

Serious eye damage/irritation:
Causes serious eye damage. Causes serious eye damage.

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.

Additional information:
No data available

11.2. Information on other hazards
No data available

SECTION 12: Ecological information

* **12.1. Toxicity**

propan-1-ol CAS No.: 71-23-8 EC No.: 200-746-9
LC_{50}: 4,555mg/L 4d (fish, Pimephales promelas)
LC_{50}: 4,555mg/L 4d (fish, Pimephales promelas Activated sludge)
LC_{50}: 4,555mg/L 4d (fish, Pimephales promelas) OECD Guideline 203 (Fish, Acute Toxicity Test)
LC_{50}: 1,000mg/L 2d (crustaceans, Gammarus pulex)
EC_{50}: >1,000mg/L (Belebtschlamm)
EC_{50}: 3,644mg/L 2d (fish, Daphnia magna)
EC_{50}: >1,000mg/L (Algae/water plant, Activated sludge)
EC_{50}: 9,170mg/L 2d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum))
EC_{50}: 3,644mg/L 2d (crustaceans, Daphnia magna) DIN 38412 Part 11, Daphnia- Short term test
NOEC: >100mg/L 21d (Algae/water plant, Daphnia magna)
NOEC: 1,150mg/L 2d (Algae/water plant)
NOEC: 68.3mg/L 21d (fish, Daphnia magna)
NOEC: 1,150mg/L 2d (Algae/water plant, Chlorella pyrenoidosa)
ethanol CAS No.: 64-17-5 EC No.: 200-578-6
LC_{50}: 12,340mg/L 2d (Daphnia magna)
LC_{50}: 275mg/L 3d
LC_{50}: 14,200mg/L 4d (fish, Pimephales promelas) US EPA method E03-05
LC_{50}: 5,012mg/L 2d (crustaceans, Ceriodaphnia dubia) ASTM E729-80
EC_{50}: 1,806mg/L (ceriodaphnia dubia, Chlorella vulgaris) OECD 201
EC_{50}: 275mg/L 3d (Algae/water plant, Chlorella vulgaris) OECD Guideline 201 (Alga, Growth Inhibition Test)
EC_{50}: 675mg/L 4d (Algae/water plant, Chlorella vulgaris) OECD Guideline 201 (Alga, Growth Inhibition Test)
EC_{50}: 12,900mg/L 4d (fish, Pimephales promelas) US EPA method E03-05
NOEC: 4,432mg/L (ceriodaphnia dubia)
NOEC: 2mg/L 10d (crustaceans, Ceriodaphnia dubia)
Dipropylene glycol monomethyl ether CAS No.: 34590-94-8 EC No.: 252-104-2
LC_{50}: >1,000mg/L 4d (fish, Poecilia reticulata)
LC_{50}: >1,000mg/L 2d (crustaceans, Crangon crangon) EPA OPP 72-3 (Estuarine/Marine Fish, Mollusk, or Shrimp Acute Toxicity Test)
LC_{50}: >1,000mg/L 3d (crustaceans, Crangon crangon) EPA OPP 72-3 (Estuarine/Marine Fish, Mollusk, or Shrimp Acute Toxicity Test)
LC_{50}: >1,000mg/L 4d (crustaceans, Crangon crangon) EPA OPP 72-3 (Estuarine/Marine Fish, Mollusk, or Shrimp Acute Toxicity Test)
EC_{50}: >969mg/L 3d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum))
EC_{50}: >969mg/L 4d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum))
NOEC: 969mg/L 3d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum))
NOEC: 969mg/L 4d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum))
LOEC: 0.5mg/L 22d (crustaceans, Daphnia magna)

* **12.2. Persistence and degradability**

propan-1-ol CAS No.: 71-23-8 EC No.: 200-746-9
Biodegradation: Yes, rapidly
ethanol CAS No.: 64-17-5 EC No.: 200-578-6
Biodegradation: Yes, rapidly

* **12.3. Bioaccumulative potential**

propan-1-ol CAS No.: 71-23-8 EC No.: 200-746-9	
Log K_{OW}: 0.2	
Bioconcentration factor (BCF): 0.88	
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	
Log K_{OW}: -0.31	
Bioconcentration factor (BCF): 3.2	
Dipropylene glycol monomethyl ether CAS No.: 34590-94-8 EC No.: 252-104-2	
Log K_{OW}: 0.004	

12.4. Mobility in soil
No data available

* **12.5. Results of PBT and vPvB assessment**

propan-1-ol CAS No.: 71-23-8 EC No.: 200-746-9	
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	
Dipropylene glycol monomethyl ether CAS No.: 34590-94-8 EC No.: 252-104-2	
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.	

12.6. Endocrine disrupting properties
No data available

12.7. Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Dispose of waste according to applicable legislation.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

07 06 04 *	other organic solvents, washing liquids and mother liquors

**: Evidence for disposal must be provided.*

Waste code packaging

15 01 02	Plastic packaging

Waste treatment options

Appropriate disposal / Product:
Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:
Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
UN 1987	UN 1987	UN 1987	UN 1987
* **14.2. UN proper shipping name**			
ALCOHOLS, N.O.S. (propan-1-ol, ethanol)	ALCOHOLS, N.O.S. (propan-1-ol, ethanol)	ALCOHOLS, N.O.S. (propan-1-ol, ethanol)	ALCOHOLS, N.O.S. (propan-1-ol, ethanol)
14.3. Transport hazard class(es)			
 3	 3	 3	 3
14.4. Packing group			
III	III	III	III

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.5. Environmental hazards			
No	No	No	No
14.6. Special precautions for user			
Special Provisions: 274 | 601 **Limited quantity (LQ):** 5 L **Excepted Quantities (EQ):** E1 **Hazard identification number (Kemler No.):** 30 **Classification code:** F1 **Tunnel restriction code:** (D/E)	**Special Provisions:** 274 | 601 **Limited quantity (LQ):** 5 L **Excepted Quantities (EQ):** E1 **Classification code:** F1	**Special Provisions:** 223 | 274 **Limited quantity (LQ):** 5 L **Excepted Quantities (EQ):** E1 **EmS-No.:** F-E, S-D	**Special Provisions:** A3 | A180 **Limited quantity (LQ):** Y344 **Excepted Quantities (EQ):** E1

14.7. Maritime transport in bulk according to IMO instruments
No transport as bulk according to IBC Code.

SECTION 15: Regulatory information

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

15.1.1. EU legislation
Other regulations (EU):
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive],
Hazard categories:
- P5a Flammable Liquids, Category 1 or 2
- P5b Flammable liquids
- P5c Flammable liquids of Categories 2 or 3, not covered by P5a and P5b

1907/2006 REACH, 1272/2008 CLP GHS, 98/24/EC, Regulation (EC) No. 648/2004 [Detergents regulation], KrW/AbfG

15.1.2. National regulations
[DE] National regulations

Restrictions of occupation
22 JArbSchG., 4 MuSchRiV., 5 MuSchRiV., Betriebssicherheitsverordnung (BetrSichV)

Störfallverordnung (12. BImschV)

for substances contained in the product:
Hazard categories:
- P5a Flammable Liquids, Category 1 or 2
- P5b Flammable liquids
- P5c Flammable liquids of Categories 2 or 3, not covered by P5a and P5b

for substances possibly developing during an incident:
This product is not assigned to a hazard category.

Betriebssicherheitsverordnung (BetrSichV)
leichtentzündlich

Water hazard class

WGK:
1 - slightly hazardous to water

Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)
Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)

Other regulations, restrictions and prohibition regulations
Hazardous Substances Ordinance (GefStoffV)

15.2. Chemical Safety Assessment
For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

*
16.1. Indication of changes

1.1.	Product identifier
2.1.	Classification of the substance or mixture

2.2.	Label elements
2.3.	Other hazards
3.2.	Mixtures
5.1.	Extinguishing media
7.1.	Precautions for safe handling
7.2.	Conditions for safe storage, including any incompatibilities
8.1.	Control parameters
8.2.	Exposure controls
9.1.	Information on basic physical and chemical properties
10.1.	Reactivity
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
12.1.	Toxicity
12.2.	Persistence and degradability
12.3.	Bioaccumulative potential
12.5.	Results of PBT and vPvB assessment
14.2.	UN proper shipping name
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes
16.2.	Abbreviations and acronyms

*
16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ASTM	American Society for Testing and Materials
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
ECHA	European Chemicals Agency
EN	European Standard
ES	Exposure scenario
EWC	European Waste Catalogue
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IBC	Intermediate Bulk Container
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
OEL	Threshold Limit Value
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PC	Product category
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SU	use category
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

16.3. Key literature references and sources for data

TRGS 510, TRGS 525, TRGS 900, Safety data sheets for the ingredients , 1907/2006 REACH, 1272/2008 CLP GHS

Substance name	Type	source of supply
propan-1-ol CAS No.: 71-23-8 EC No.: 200-746-9	LC_{50} Acute inhalation toxicity (dust/mist); LC_{50}; EC_{50}; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/
Dipropylene glycol monomethyl ether CAS No.: 34590-94-8 EC No.: 252-104-2	LD_{50} oral; LD_{50} dermal; LC_{50}; EC_{50}; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	LC_{50}; EC_{50}; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids *(Flam. Liq. 3)*	H226: Flammable liquid and vapour.	On basis of test data.
Serious eye damage/eye irritation *(Eye Dam. 1)*	H318: Causes serious eye damage.	Calculation method.
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	Calculation method.

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H225	Highly flammable liquid and vapour.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

16.6. Training advice

No data available

16.7. Additional information

This data sheet was created in accordance with EU regulation (EC) No. 1907/2006 (REACH).
The information is based on the level of knowledge and experience on the date of issue, it do not have the importance of assured properties. The information may not be changed or transferred to other products. Reproduction in the unchanged state is permitted.

* Data changed compared with the previous version.