

# Safranine for GRAM's Staining

according to UK REACH Regulation

Revision date: 15.01.2024

Product code: 12624.xxxxx

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

## 1.1. Product identifier

Safranine for GRAM's Staining

UFI:

SUX3-N15R-J00Q-FXMH

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

#### Use of the substance/mixture

Use as laboratory reagent. The product is intended for research, analysis and scientific education.

#### Uses advised against

Any non-intended use.

## 1.3. Details of the supplier of the safety data sheet

Company name:	MORPHISTO GmbH	
Street:	Schumannstr. 144	
Place:	D-63069 Offenbach	
Telephone:	+49 (0) 69 / 400 3019-60	Telefax: +49 (0) 69 / 400 3019-64
E-mail:	info@morphisto.de	
Contact person:	Morphisto GmbH	
E-mail:	gefahrstoffmanagement@morphisto.	de
Internet:	http://www.morphisto.de	
1.4. Emergency telephone	Morphisto GmbH, Tel: +49(0)69 400	3019-60, Mo-Fr.: 09-16 Uhr

## number:

## **SECTION 2: Hazards identification**

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

#### **GB CLP Regulation**

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

## 2.2. Label elements

## GB CLP Regulation

#### Special labelling of certain mixtures

EUH210

Safety data sheet available on request.

## 2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB) at levels of 0.1% or higher. Ecological information: The substance/mixture does not contain any components that are considered to be hazardous according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in amounts of 0.1 % or more have endocrine disrupting properties. Toxicological information: The substance/mixture does not contain any components that are to be classified according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1 % or more have endocrine disrupting properties.

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

Chemical characterization aqueous solution



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## **Relevant ingredients**

CAS No	Chemical name	Chemical name		
	EC No	Index No	REACH No	
	Classification (GB CLF	PRegulation)		
64-17-5	Ethanol			
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			

Full text of H and EUH statements: see section 16.

Specific Co	Specific Conc. Limits, M-factors and ATE					
CAS No	EC No	Chemical name	Quantity			
	Specific Conc.	Limits, M-factors and ATE				
64-17-5	200-578-6	Ethanol	5 - < 10 %			
	inhalation: LC50 = 124,7 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg Eye Irrit. 2; H319: >= 50 - 100					

#### **Further Information**

This product contains no substances of very high concern (SVHC) (>0,1%) which are included in the Candidate List according to Article 59 of REACH.

#### **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).

#### After inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

#### After contact with skin

Wash with plenty of water. In case of skin irritation, seek medical treatment. Take off contaminated clothing and wash it before reuse.

## After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

## After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

## 4.2. Most important symptoms and effects, both acute and delayed

No information available.

## 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

Co-ordinate fire-fighting measures to the fire surroundings. Carbon dioxide (CO2). Dry extinguishing powder. alcohol resistant foam. Atomized water.

#### Unsuitable extinguishing media

High power water jet.



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## 5.2. Special hazards arising from the substance or mixture

Non-flammable. Vapours can form explosive mixtures with air. Vapours can form explosive mixtures with air. In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO2).

## 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Use water spray jet to protect personnel and to cool endangered containers. 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

## General advice

Safe handling: see section 7 Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Discharge into the environment must be avoided.

## 6.3. Methods and material for containment and cleaning up

## For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### Other information

Clean contaminated objects and areas thoroughly observing environmental regulations.

## 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

## **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

#### Advice on safe handling

Wear suitable protective clothing. (See section 8.)

## Advice on protection against fire and explosion

Usual measures for fire prevention.

## Advice on general occupational hygiene

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Always close containers tightly after the removal of product.

## Further information on handling

Avoid contact with skin, eyes and clothes.

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

#### Requirements for storage rooms and vessels

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

#### Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff

#### Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity. Recommended storage temperature: 15-25 °C Protect against: frost. UV-radiation/sunlight. heat. Humidity



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# 7.3. Specific end use(s)

See section 1.

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

# 8.1. Control parameters

## Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
78-93-3	Butan-2-one (methyl ethyl ketone)	200	600		TWA (8 h)	WEL
		300	899		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL

## **Biological Monitoring Guidance Values (EH40)**

CAS No	Substance	Parameter	Value	Test material	Sampling time
78-93-3	Butan-2-one	butan-2-one	70 µmol/L	urine	Post shift

## **DNEL/DMEL** values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
64-17-5	Ethanol			
Worker DNEL	, acute	inhalation	local	1900 mg/m³
Worker DNEL	., long-term	dermal	systemic	343 mg/kg bw/day
Worker DNEL	., long-term	inhalation	systemic	950 mg/m³
Consumer DN	NEL, acute	inhalation	local	950 mg/m³
Consumer DN	IEL, long-term	dermal	systemic	206 mg/kg bw/day
Consumer DN	IEL, long-term	inhalation	systemic	114 mg/m³
Consumer D	NEL, long-term	oral	systemic	87 mg/kg bw/day
78-93-3	butanone			
Worker DNEL	., long-term	inhalation	systemic	600 mg/m³
Worker DNEL	., long-term	dermal	systemic	1161 mg/kg bw/day



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#### **PNEC** values

CAS No	Substance	
Environmen	tal compartment	Value
64-17-5	Ethanol	
Freshwater		0,96 mg/l
Freshwater	(intermittent releases)	2,75 mg/l
Marine wate	r	0,79 mg/l
Marine wate	r (intermittent releases)	2,75 mg/l
Freshwater	sediment	3,6 mg/kg
Marine sedir	nent	2,9 mg/kg
Secondary poisoning		0,72 mg/kg
Micro-organ	isms in sewage treatment plants (STP)	580 mg/l
Soil		0,63 mg/kg
78-93-3	butanone	
Freshwater		55,8 mg/l
Freshwater	(intermittent releases)	55,8 mg/l
Marine water		55,8 mg/l
Freshwater sediment		284,7 mg/kg
Marine sedir	nent	284,7 mg/kg
Micro-organ	isms in sewage treatment plants (STP)	709 mg/l
Soil		22,5 mg/kg

## Additional advice on limit values

Does not contain substances above concentration limits fixing an occupational exposure limit.

## 8.2. Exposure controls

## Appropriate engineering controls

Use extractor hood (laboratory).

#### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear eye/face protection. Tightly sealed safety glasses. EN 166

## Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. In case of prolonged or frequently repeated skin contact: Wear suitable gloves. Suitable material: FKM (fluororubber). - Thickness of glove material: 0,4 mm Breakthrough time >= 8 h Butyl rubber. - Thickness of glove material: 0,5 mm Breakthrough time >= 8 h CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm Breakthrough time >= 8 h NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm Breakthrough time >= 8 h PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm Breakthrough time >= 8 h The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard



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## EN 374 derived from it.

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

## Skin protection

Use of protective clothing. Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection. With correct and proper use, and under normal conditions, breathing protection is not required.

#### **Environmental exposure controls**

No special precautionary measures are necessary.

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

9.1. Information on basic physical and ch		
Physical state:	liquid	
Colour:	red	
Odour:	characteristic	
Melting point/freezing point:		~0 °C
Boiling point or initial boiling point and		~100 °C
boiling range:		
Flammability:		not applicable
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		>100 °C
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
pH-Value (at 20 °C):		5-6
Viscosity / kinematic:		not determined
Water solubility:		miscible.
(at 20 °C)		
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:		not determined
Vapour pressure:		not determined
Density:		0,98 g/cm³
Relative vapour density:		not determined
Particle characteristics:		not applicable
9.2. Other information		
Information with regard to physical ha	zard classes	
Explosive properties		
The product is not: Explosive.		
Sustaining combustion:		Not sustaining combustion
Self-ignition temperature		
Solid:		not applicable
Gas:		not determined
Oxidizing properties		
none		
Other safety characteristics		
Evaporation rate:		not determined
Solvent separation test:		not determined



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Solvent content:	not determined				
Solid content:	not determined				
Sublimation point:	not determined				
Softening point:	not determined				
Pour point:	not determined				
Viscosity / dynamic:	not determined				
Flow time:	not determined				

## **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

No information available.

## 10.2. Chemical stability

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

## 10.3. Possibility of hazardous reactions

Refer to chapter 10.5.

## 10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

#### 10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

## 10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO2).

#### **SECTION 11: Toxicological information**

#### 11.1. Information on hazard classes as defined in GB CLP Regulation

#### Acute toxicity

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

#### **ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name						
	Exposure route	Dose		Species	Source	Method	
64-17-5	Ethanol						
	oral	LD50 mg/kg	>5000	Rat	ECHA Dossier		
	dermal	LD50 mg/kg	>2000	Rabbit	ECHA Dossier		
	inhalation (4 h) vapour	LC50 mg/l	124,7	Rat	ECHA Dossier		

## Irritation and corrosivity

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

#### Sensitising effects

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

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

## STOT-single exposure

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



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## 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 on tests

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

## 11.2. Information on other hazards

#### **Endocrine disrupting properties**

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

#### Other information

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

## **SECTION 12: Ecological information**

## 12.1. Toxicity

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

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method
64-17-5	Ethanol						
	Acute fish toxicity	LC50 mg/l	14200		Pimephales promelas (fathead minnow)	ECHA Dossier	
	Acute algae toxicity	ErC50	275 mg/l	72 h	Chlorella vulgaris	ECHA Dossier	
	Acute crustacea toxicity	EC50 mg/l	5012		Ceriodaphnia dubia (water flea)	ECHA Dossier	
	Crustacea toxicity	NOEC	9,6 mg/l	9 d	Daphnia magna	ECHA Dossier	

## 12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name						
	Method	Value	d	Source			
	Evaluation						
64-17-5	Ethanol						
	other guideline	84%	20	ECHA Dossier			
	Biodegradable.						

#### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

## Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-17-5	Ethanol	-0,31

#### 12.4. Mobility in soil

No information available.

## 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

#### 12.6. Endocrine disrupting properties

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

## 12.7. Other adverse effects

No information available.



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#### **Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Avoid release to the environment.

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

#### **Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

## List of Wastes Code - residues/unused products

160509 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

#### List of Wastes Code - used product

160509 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

## List of Wastes Code - contaminated packaging

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

## Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself. Wash with plenty of water. Completely emptied packages can be recycled.

## **SECTION 14: Transport information**

#### Land transport (ADR/RID)

 14.1. UN number or ID number:

 14.2. UN proper shipping name:

 14.3. Transport hazard class(es):

 14.4. Packing group:

 Inland waterways transport (ADN)

14.1. UN number or ID number:

14.2. UN proper shipping name:

14.3. Transport hazard class(es):

14.4. Packing group:

## Marine transport (IMDG)

14.1. UN number or ID number:

14.2. UN proper shipping name: 14.3. Transport hazard class(es):

14.4. Packing group:

Air transport (ICAO-TI/IATA-DGR) <u>14.1. UN number or ID number:</u> <u>14.2. UN proper shipping name:</u>

14.3. Transport hazard class(es):

14.4. Packing group:

No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation.

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14.5. Environmental hazards				
ENVIRONMENTALLY HAZARDOUS:	No			
14.6. Special precautions for user				
Refer to section 6-8				
14.7. Maritime transport in bulk according to IMO instruments not relevant				
SECTION 15: Regulatory information				
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture				
EU regulatory information				
Restrictions on use (REACH, annex XVII):				
Entry 40, Entry 75				
Directive 2010/75/EU on industrial emissions:	No information available.			
Directive 2004/42/EC on VOC in paints and varnishes:	No information available.			
Information according to Directive 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)			
Additional information				
The mixture is classified as not hazard	ous according to regulation (EC) No 1272/2008 [CLP].			
National regulatory information				
Water hazard class (D):	2 - obviously hazardous to water			
15.2. Chemical safety assessment				
For the following substances of this mixture a chemical safety assessment has been carried out: Ethanol				

# **SECTION 16: Other information**

## Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,9,11,12,13,14,15,16. Rev. 2,0; 06.07.2022, Individual safety data sheet based on 10147\_collect Rev. 2,1; 15.01.2024; general adjustment(s)



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# Abbreviations and acronyms

Flam. Lig: Flammable liquids Eye Irrit: Eye irritation STOT SE: Specific target organ toxicity - single exposure ADR: Accord européen sur le transport des marchandises dangereuses par Route AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen AGW: Arbeitsplatzgrenzwert AVV: Abfallverzeichnisverordnung CAS Chemical Abstracts Service CLP: Classification, Labelling and Packaging of substances and mixtures DNEL: Derived No Effect Level d: dav(s) EAKV: Europäisches Abfallverzeichnis gemäß Entwurf Abfallverzeichnisverordnung EINECS: European INventory of Existing Commercial chemical Substances ELINCS: European List of Notified Chemical Substances ECHA: European Chemicals Agency EWC: European Waste Catalogue IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organization ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO) GHS: Globally Harmonized System of Classification and Labelling of Chemicals GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany) h: hour LOAEL: Lowest observed adverse effect level LOAEC: Lowest observed adverse effect concentration LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent NOAEL: No observed adverse effect level NOAEC: No observed adverse effect level NLP: No-Longer Polymers N/A: not applicable OECD: Organisation for Economic Co-operation and Development PNEC: predicted no effect concentration PBT: Persistent bioaccumulative toxic RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) REACH: Registration, Evaluation, Authorisation of Chemicals SVHC: substance of very high concern TRGS Technische Regeln fuer Gefahrstoffe UN: United Nations VOC: Volatile Organic Compounds VwVwS: Verwaltungsvorschrift wassergefaehrdender Stoffe WGK: Wassergefaehrdungsklasse CLP: Classification, labelling and Packaging REACH: Registration. Evaluation and Authorization of Chemicals GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals UN: United Nations CAS: Chemical Abstracts Service DNEL: Derived No Effect Level DMEL: Derived Minimal Effect Level PNEC: Predicted No Effect Concentration ATE: Acute toxicity estimate LL50: Lethal loading, 50%



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EL50: Effect loading, 50% EC50: Effective Concentration 50% ErC50: Effective Concentration 50%, growth rate NOEC: No Observed Effect Concentration BCF: Bio-concentration factor PBT: persistent, bioaccumulative, toxic vPvB: very persistent, very bioaccumulative ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) RID: Regulations concerning the international carriage of dangerous goods by rail ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures) EmS: Emergency Schedules MFAG: Medical First Aid Guide MARPOL: International Convention for the Prevention of Marine Pollution from Ships IBC: Intermediate Bulk Container For abbreviations and acronyms, see table at http://abbrev.esdscom.eu For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations). EC/EEC: European Community/European Economic Community EU: European Union M-factor: Multiplying factor IATA: International Air Transport Association DGR: Dangerous Goods Regulations ICAO: International Civil Aviation Organization **TI: Technical Instructions** 

VOC: volatile organic compound

## Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
EUH210	Safety data sheet available on request.

## **Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations to existing laws and regulation (EC) No 1272/2008 [CLP] - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)