



SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier

Product name:

SYMBIOSOLV CLEAR PLUS MB

Chemical name:

Mixture of solubilizers

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

Identified uses: Industrial Use

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet

Company Name The Soap Kitchen

Telephone : +44 (0)1237 420872

E-mail : enquiries@thesoapkitchen.co.uk

1.4 Emergency telephone number:

24-Hour Health : +49 2365 49 2232

Emergency : +49 2365 49 4423 (Fax)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Health Hazards

Serious Eye Damage/Eye
Irritation

Category 1

H318: Causes serious eye damage.

2.2 Label Elements

Contains:

D-Glucopyranose, oligomeric, decyl octyl glycosides



Signal Words:

Danger

Hazard Statement(s):

H318: Causes serious eye damage.

Precautionary Statements

Prevention: P262: Do not get in eyes, on skin, or on clothing.
P280: Wear eye protection/face protection.

Response: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor.

2.3 Other hazards None known.

SECTION 3: Composition/information on ingredients

Chemical name:
Mixture of solubilizers

3.2 Mixtures

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
D-Glucopyranose, oligomeric, decyl octyl glycosides	>=50 - <70%	68515-73-1	500-220-1	01-2119488530-36	No data available.	
L-Glutamic acid, N-coco acyl derivs., monosodium salts	>=10 - <20%	68187-32-6	269-087-2	01-2119976359-19	No data available.	
1,2,3-Propanetricarboxylic acid, 2-hydroxy-	>=1 - <3%	77-92-9	201-069-1	01-2119457026-42	No data available.	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

This substance is listed as SVHC

Classification

Chemical name	Classification	Notes
D-Glucopyranose, oligomeric, decyl octyl glycosides	Eye Dam.: 1: H318;	No data available.
L-Glutamic acid, N-coco acyl derivs., monosodium salts	Eye Irrit.: 2: H319;	No data available.
1,2,3-Propanetricarboxylic acid, 2-hydroxy-	Eye Irrit.: 2: H319;	No data available.

CLP: Regulation No. 1272/2008.

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General: Remove soiled or soaked clothing immediately

4.1 Description of first aid measures

Inhalation: Ensure supply of fresh air. In the event of symptoms seek medical advice.

Skin Contact: In case of contact with skin wash off immediately with soap and water In the event of symptoms seek medical advice.

Eye contact: In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

Ingestion: Thoroughly clean the mouth with water Do NOT induce vomiting. In the event of symptoms seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed: Risk of serious damage to eyes.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No data available.

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: foam, carbon dioxide, dry powder, water spray.

Unsuitable extinguishing media: Full water jet

5.2 Special hazards arising from the substance or mixture: In the event of fire the following can be released: - carbon dioxide, carbon monoxide Under certain conditions of combustion traces of other toxic substances cannot be excluded

5.3 Advice for firefighters

Special fire fighting procedures: Vapours of the product are heavier than air. Vapours may form explosive mixtures with air

Special protective equipment for fire-fighters: Do not inhale explosion and/or combustion gases Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Use personal protective clothing. Ensure adequate ventilation. Keep away sources of ignition.

6.1.1 For non-emergency personnel: No data available.

6.1.2 For emergency responders: No data available.

6.2 Environmental Precautions: Do not discharge into the subsoil/soil. Do not allow to enter drains or waterways

6.3 Methods and material for containment and cleaning up:

Dispose of absorbed material in accordance with the regulations. Absorb with liquid-binding material, e. g.: diatomaceous earth, sand, universal binder

6.4 Reference to other sections:

For further information on exposure monitoring and disposal see sections 8 and 13.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:

Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Provide good ventilation of working area (local exhaust ventilation if necessary). Handle and open container with care.

7.2 Conditions for safe storage, including any incompatibilities:

Keep away from oxidizing agents and strongly acid or alkaline materials. Keep container tightly closed and in a well-ventilated place. Protect from heat and direct sunlight Do not store < 5 °C Do not keep at temperatures above 30 °C.

7.3 Specific end use(s):

No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters Occupational Exposure Limits

None of the components have assigned exposure limits.

DNEL-Values

Critical component	Type	Route of Exposure	Health Warnings	Remarks
D-Glucopyranose, oligomeric, decyl octyl glycosides	Workers	Inhalation	Long-term systemic effects; 420 mg/m3	ECHA
	Workers	Dermal	Long-term systemic effects; 595000 mg/kg bodyweight/day	ECHA
	Consumers	Inhalation	Long-term systemic effects; 124 mg/m3	ECHA
	Consumers	Dermal	Long-term systemic effects; 357000 mg/kg bodyweight/day	ECHA
	Consumers	Oral	Long-term systemic effects; 35.7 mg/kg bodyweight/day	ECHA

PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks
D-Glucopyranose, oligomeric, decyl octyl glycosides	Fresh water	0.176 mg/l	
	marine water	0.0176 mg/l	
	intermittent release	0.27 mg/l	
	Wastewater treatment plant	560 mg/l	
	freshwater sediment	1.516 mg/kg dry weight	
	Marine sediments	0.152 mg/kg dry weight	
	soil	0.654 mg/kg dry weight	
	oral (secondary poisoning)	111.11 mg/kg dietary	

1,2,3-Propanetricarboxylic acid, 2-hydroxy-	Fresh water	0.44 mg/l	
	marine water	0.044 mg/l	
	Wastewater treatment plant	1000 mg/l	
	freshwater sediment	34.6 mg/kg dry weight	
	Marine sediments	3.46 mg/kg dry weight	
	soil	33.1 mg/kg dry weight	

8.2 Exposure controls

Appropriate Engineering Controls: No data available.

Individual protection measures, such as personal protective equipment

Eye/face protection: Protective goggles; wear additional face protection if risk is increased.

Hand Protection: Additional Information: The protective gloves to be worn must satisfy the specifications of EC Guideline 89/686/EEC and the resulting Standard EN374., Specific workplace situations must be considered separately.

Skin and Body Protection: protective clothing

Respiratory Protection: in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2

Hygiene measures: Do not eat, drink or smoke when working. Wash hands before breaks and immediately after handling the product. Remove soiled or soaked clothing immediately.

Environmental Controls: The environmental regulations on the control and monitoring of environmental exposures are to be observed.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: liquid

Form: viscous

Color: Yellow

Odor: Characteristic

Odor Threshold: not measured

pH: No data available.

Freezing point: not measured

Boiling Point: not measured

Flash Point: not measured

Evaporation Rate: not measured

Flammability (solid, gas): not measured

Flammability Limit - Upper (%): not measured

Flammability Limit - Lower (%): not measured

Vapor pressure: not measured

Vapor density (air=1): not measured

Density: 1 g/cm³ (20 °C)

Relative density: not measured

Solubility(ies)

Solubility in Water: not measured

Solubility (other): not measured

Partition coefficient (n-octanol/water):	No data available.
Self Ignition Temperature:	not measured
Decomposition Temperature:	not measured
Kinematic viscosity:	not measured
Dynamic viscosity:	< 15,000 mPa.s

9.2 Other information

Explosive properties:	Not applicable
Oxidizing properties:	Not applicable
Minimum ignition temperature:	No data available.
Metal Corrosion:	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	see section "Possibility of hazardous reactions"
10.2 Chemical Stability:	The product is stable under normal conditions.
10.3 Possibility of hazardous reactions:	Exothermic reaction with: strong bases strong oxidants strong acids
10.4 Conditions to avoid:	To avoid thermal decomposition, do not overheat.
10.5 Incompatible Materials:	Unknown
10.6 Hazardous Decomposition Products:	May be released in case of fire: carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:	If handled correctly, not a relevant route of exposure. Information on effects are given below.
Skin Contact:	Relevant route of exposure. Information on effects are given below.
Eye contact:	Relevant route of exposure. Information on effects are given below.
Ingestion:	If handled correctly, not a relevant route of exposure. Information on effects are given below.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:	No data available.
Components:	
D-Glucopyranose, oligomeric, decyl octyl glycosides	LD 50 (Rat): > 5,000 mg/kg
L-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
1,2,3-Propanetricarboxylic acid, 2-hydroxy-	LD 50 (Mouse): 5,400 mg/kg LD 50 (Rat): 11,700 mg/kg

Dermal

Product:	No data available.
Components:	
D-Glucopyranose, oligomeric, decyl octyl glycosides	LD 50 (Rabbit): > 2,000 mg/kg
L-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
1,2,3-Propanetricarboxylic acid, 2-hydroxy-	LD 50 (Rat): > 2,000 mg/kg
Inhalation	
Product:	No data available.
Components:	
D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
L-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
1,2,3-Propanetricarboxylic acid, 2-hydroxy-	No data available.
Repeated dose toxicity	
Product:	No data available.
Components:	
D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
L-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
1,2,3-Propanetricarboxylic acid, 2-hydroxy-	No data available.
Skin Corrosion/Irritation:	
Product:	Slightly irritating. Based on available data, the classification criteria are not met.
Components:	
D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
L-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
1,2,3-Propanetricarboxylic acid, 2-hydroxy-	No data available.
Serious Eye Damage/Eye Irritation:	
Product:	Risk of serious damage to eyes.
Components:	
D-Glucopyranose, oligomeric, decyl octyl glycosides	Risk of serious damage to eyes.

L-Glutamic acid, N-coco acyl derivs., monosodium salts	Not irritating
1,2,3-Propanetricarboxylic acid, 2-hydroxy-	Not irritating
	Irritating. (Rabbit): Irritating.

Respiratory or Skin Sensitization:

Product: No data available.

Components:

D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
L-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
1,2,3-Propanetricarboxylic acid, 2-hydroxy-	(Guinea Pig)non-sensitizing

Germ Cell Mutagenicity

In vitro

Product: No data available.

Components:

D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
L-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
1,2,3-Propanetricarboxylic acid, 2-hydroxy-	No data available.

In vivo

Product: No data available.

Components:

D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
L-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.
1,2,3-Propanetricarboxylic acid, 2-hydroxy-	No data available.

Carcinogenicity

Product: No data available.

Components:

D-Glucopyranose, oligomeric, decyl octyl glycosides	No data available.
L-Glutamic acid, N-coco acyl derivs., monosodium salts	No data available.

1,2,3-
Propanetricarboxylic acid,
2-hydroxy- No data available.

Reproductive toxicity

Product: No data available.

Components:

D-Glucopyranose,
oligomeric, decyl octyl
glycosides No data available.

L-Glutamic acid, N-coco
acyl derivs., monosodium
salts No data available.

1,2,3-
Propanetricarboxylic acid,
2-hydroxy- No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:

D-Glucopyranose,
oligomeric, decyl octyl
glycosides No data available.

L-Glutamic acid, N-coco
acyl derivs., monosodium
salts No data available.

1,2,3-
Propanetricarboxylic acid,
2-hydroxy- No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:

D-Glucopyranose,
oligomeric, decyl octyl
glycosides No data available.

L-Glutamic acid, N-coco
acyl derivs., monosodium
salts No data available.

1,2,3-
Propanetricarboxylic acid,
2-hydroxy- No data available.

Aspiration Hazard

Product: Not classified

Components:

D-Glucopyranose,
oligomeric, decyl octyl
glycosides No data available.

L-Glutamic acid, N-coco
acyl derivs., monosodium
salts No data available.

1,2,3-
Propanetricarboxylic acid,
2-hydroxy- No data available.

Other adverse effects: Risk of serious damage to eyes.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Components

D-Glucopyranose, oligomeric, decyl octyl glycosides EC 50 (Danio rerio (zebra fish), 96 h): 100.81 mg/l

L-Glutamic acid, N-coco acyl derivs., monosodium salts No data available.

1,2,3-Propanetricarboxylic acid, 2-hydroxy- LC 50 (Leuciscus idus (Golden orfe), 96 h): 440 - 706 mg/l (DIN 38412)

Aquatic Invertebrates

Product: No data available.

Components

D-Glucopyranose, oligomeric, decyl octyl glycosides No data available.

L-Glutamic acid, N-coco acyl derivs., monosodium salts No data available.

1,2,3-Propanetricarboxylic acid, 2-hydroxy- EC 50 (Daphnia magna (Water flea), 72 h): approx. 120 mg/l

Toxicity to Aquatic Plants

Product: No data available.

Components

D-Glucopyranose, oligomeric, decyl octyl glycosides No data available.

L-Glutamic acid, N-coco acyl derivs., monosodium salts No data available.

1,2,3-Propanetricarboxylic acid, 2-hydroxy- No data available.

Toxicity to microorganisms

Product: No data available.

Components

D-Glucopyranose, oligomeric, decyl octyl glycosides No data available.

L-Glutamic acid, N-coco acyl derivs., monosodium salts No data available.

1,2,3- EC0 (Pseudomonas putida, 3 h): > 10,000 mg/l (DIN 38412)

Propanetricarboxylic acid,
2-hydroxy-

Chronic Toxicity

Fish

Product: No data available.

Components

D-Glucopyranose,
oligomeric, decyl octyl
glycosides No data available.

L-Glutamic acid, N-coco
acyl derivs., monosodium
salts No data available.

1,2,3-
Propanetricarboxylic acid,
2-hydroxy- No data available.

Aquatic Invertebrates

Product: No data available.

Components

D-Glucopyranose,
oligomeric, decyl octyl
glycosides No data available.

L-Glutamic acid, N-coco
acyl derivs., monosodium
salts No data available.

1,2,3-
Propanetricarboxylic acid,
2-hydroxy- No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components

D-Glucopyranose,
oligomeric, decyl octyl
glycosides No data available.

L-Glutamic acid, N-coco
acyl derivs., monosodium
salts No data available.

1,2,3-
Propanetricarboxylic acid,
2-hydroxy- No data available.

12.2 Persistence and Degradability

Biodegradation

Product: Readily biodegradable

BOD/COD Ratio

Product No data available.

Components

D-Glucopyranose,
oligomeric, decyl octyl
glycosides No data available.

L-Glutamic acid, N-coco
acyl derivs., monosodium
salts No data available.

1,2,3-
Propanetricarboxylic acid,
2-hydroxy- No data available.

**12.3 Bioaccumulative potential
Product:**

No data available.

12.4 Mobility in soil:

No data available.

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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

D-Glucopyranose,
oligomeric, decyl
octyl glycosides

Non-classified vPvB substance Non-
classified PBT substance

L-Glutamic acid, N-
coco acyl derivs.,
monosodium salts

Non-classified vPvB substance Non-
classified PBT substance

1,2,3-
Propanetricarboxylic
acid, 2-hydroxy-

Non-classified vPvB substance Non-
classified PBT substance

12.6 Other adverse effects:

The product is classified as slightly hazardous to waters (according to the German Regulation on the Classification of Substances Hazardous to Waters (WwSV). Do not allow to enter soil, waterways or waste water canal.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: No data available.

Disposal methods: In accordance with local authority regulations, take to special waste incineration plant

Contaminated Packaging: If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I: Not applicable

National Regulations

15.2 Chemical safety assessment: No chemical safety assessment was carried out for this product.

International regulations

SECTION 16: Other information

Abbreviations and acronyms

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; **ADN** - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; **AGW** - Occupational exposure limit; **ASTM** - American Society for Testing and Materials; **AwSV** - Ordinance on facilities for handling substances that are hazardous to water; **BSB** - Biochemical oxygen demand; **c.c.** - closed cup; **CAS** - Chemical Abstract Services; **CESIO** - European Committee of Organic Surfactants and their Intermediates; **CSB** - Chemical oxygen demand; **DMEL** - Derived minimum effect level; **DNEL** - Derived no effect level; **EbC50** - median concentration in terms of reduction of growth; **EC** - Effective concentration; **EINECS** - European Inventory of Existing Commercial Chemical Substances; **EN** - European norm; **ErC50** - median concentration in terms of reduction of growth rate; **GGVSEB** - German ordinance for road, rail and inland waterway transportation of dangerous goods; **GGVSee** - German ordinance for sea transportation of dangerous goods; **GLP** - Good Laboratory Practice; **GMO** - Genetic Modified Organism; **IATA** - International Air Transport Association; **ICAO** - International Civil Aviation Organization; **IMDG** - International Maritime Dangerous Goods; **ISO** - International Organization For Standardization; **LD/LC** - lethal dose/concentration; **LOAEL** - Lowest observed adverse effect level; **LOEL** - Lowest observed effect level; **M-Factor** - multiplying factor; **NOAEL** - No observed adverse effect level; **NOEC** - no observed effect concentration; **NOEL** - no observed effect level; **o.c.** - open cup; **OECD** - Organisation for Economic Cooperation and Development; **OEL** - Occupational Exposure Limit; **PBT** - Persistent, bioaccumulative, toxic; **PNEC** - Predicted no effect concentration; **REACH** - REACH registration; **RID** - Convention concerning International Carriage by Rail; **SVHC** - Substances of Very High Concern; **TA** - Technical Instructions; **TRGS** - Technical Rules for Hazardous Substances; **vPvB** - very persistent, very bioaccumulative; **WGK** - Water Hazard Class

Key literature references and sources for data: No data available.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 as amended.	Classification procedure
Serious Eye Damage/Eye Irritation, Category 1	Calculation method

Wording of the H-statements in section 2 and 3

H318	Causes serious eye damage.
H319	Causes serious eye irritation.

Training information: Comply with national laws regulating employee instruction.

SDS No.:
Disclaimer:

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.