

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006**Mesamoll**

Version 5.0

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Trade name : Mesamoll
Substance name : C14-17 alkanes, sec-mono- and disulfonic acids, phenyl esters
EC-No. : 701-257-8
EU REACH-Reg. No. : 01-2119485386-26-XXXX

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

Use of the Substance/Mixture : Plastic additive
Uses advised against : At this moment we have not identified any uses advised against

1.3. Details of the supplier of the safety data sheet

Company : BCD Chemie GmbH
Schellerdamm 16
DE 21079 Hamburg
Telephone : +49 (0)201 6496-0
Telefax : +49 (0)201 6496-2039
E-mail address : InfoSDB@bcd-chemie.de
Responsible/issuing person : Umwelt / Sicherheit

1.4. Emergency telephone number

Emergency telephone number : +49 (0)201-6496-0 (Available: 24 hours / 7 days)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

Most important adverse effects

Human Health : According to our experience and to the information provided to

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us, the product does not have any harmful effects if it is used and handled as specified.

Physical and chemical hazards : Stable under normal conditions.
Potential environmental effects : According to available data, this product is not harmful to the environment.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is not labeled as dangerous according to Regulation (EC) No. 1272/2008.

2.3. Other hazards

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1. Substances

Non-hazardous component

Chemical name	Identification Number	Amount [%]
C14-17 alkanes, sec-mono- and disulfonic acids, phenyl esters	REACH-Reg. No. : 01-2119485386-26-XXXX	100

SECTION 4: First aid measures

4.1. Description of first aid measures

If inhaled : Move to fresh air.

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In case of skin contact	: Wash contaminated skin with soap and water.
In case of eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. If easy to do, remove contact lens, if worn. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
	Flush eyes with water as a precaution. Remove contact lenses.
If swallowed	: Move to fresh air. Drink 1 or 2 glasses of water. If symptoms call a physician.

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

Symptoms	: See Section 11 for more detailed information on health effects and symptoms.
Effects	: See Section 11 for more detailed information on health effects and symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment	: Treat symptomatically. No further information available.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray, foam, dry powder or CO ₂ .
Unsuitable extinguishing media	: High volume water jet

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting	: Risk of closed containers bursting if strongly heated.
Hazardous combustion products	: Carbon oxides, Sulphur oxides

5.3. Advice for firefighters

Special protective equipment for firefighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with full face-piece operated in positive pressure mode.
Further advice	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SECTION 6: Accidental release measures

Mesamoll**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions : For personal protection see section 8. No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering the area.

6.2. Environmental precautions

Environmental precautions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up : Stop the leakage if it can be done without danger. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4. Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on personal protective equipment.
See Section 13 for waste treatment information.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist.

Hygiene measures : Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep only in the original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep container tightly closed and sealed until ready for use. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from direct sunlight.

7.3. Specific end use(s)

Specific use(s) : No information available.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other Occupational Exposure Limit Values

(Additional) : Contains no substances with occupational exposure limit values.
Information

Component: C14-17 alkanes, sec-mono- and disulfonic acids, phenyl esters

Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)

DNEL	
Workers, Long-term - systemic effects, Inhalation	: 6,5 mg/m ³
DNEL	
Workers, Acute - systemic effects, Inhalation	: 84,8 mg/m ³
DNEL	
Workers, Long-term - systemic effects, Skin contact	: 0,93 mg/kg bw/day
DNEL	
Workers, Acute - systemic effects, Skin contact	: 52,75 mg/kg bw/day
DNEL	
Consumers, Long-term - systemic effects, Inhalation	: 1,64 mg/m ³
DNEL	
Consumers, Acute - systemic effects, Inhalation	: 21,28 mg/m ³
DNEL	
Consumers, Long-term - systemic effects, Skin contact	: 0,47 mg/kg bw/day
DNEL	
Consumers, Acute - systemic effects, Skin contact	: 26,37 mg/kg bw/day
DNEL	
Consumers, Long-term - systemic effects, Ingestion	: 0,47 mg/kg bw/day
DNEL	
Consumers, Acute - systemic effects, Ingestion	: 26,37 mg/kg bw/day

Predicted No Effect Concentration (PNEC)

Soil : 27,1 mg/kg dry weight (d.w.)

Mesamoll**8.2. Exposure controls****Personal protective equipment***Respiratory protection*

Advice : Use a properly fitted, air-purifying respirator or air complying with an approved standard if a risk assessment indicates this is necessary.
Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Recommended Filter type:
Respirator with filter for organic vapour

Hand protection

Advice : When prolonged exposure is expected:
Wear suitable gloves.

Eye protection

Advice : Safety glasses

Skin and body protection

Advice : Protective work clothing

Environmental exposure controls

General advice : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form	: liquid
Physical state	: liquid
Colour	: light yellow
Odour	: odourless
Odour Threshold	: No data available
Melting point/range	: No data available
Boiling point/boiling range	: 300 - 400 °C (1013 hPa)
Flammability (solid, gas)	: No data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower	: No data available

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flammability limit

Flash point : 210 - 240 °C
Method: open cup

Auto-ignition temperature : No data available

Decomposition temperature : > 300 °C

Self-Accelerating
decomposition temperature
(SADT) : No data available

pH : No data available

Viscosity

Viscosity, dynamic : 122,9 mPa.s

Viscosity, kinematic : No data available

Flow time : No data available

Solubility(ies)

Water solubility : 0,0022 g/l (20 °C)

Solubility in other solvents : No data available

Dissolution Rate : No data available

Partition coefficient: n-
octanol/water : Pow: 5,7 - 11,3

Dispersion Stability : No data available

Vapour pressure : < 0,0001 hPa (20 °C)

Relative density : No data available

Density : 1,04 - 1,07 g/cm³ (20 °C)

Bulk density : No data available

Relative vapour density : No data available

Particle characteristics
No data available**9.2 Other information**

Explosives : No data available

Self-ignition : 425 °C

Evaporation rate : No data available

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SECTION 10: Stability and reactivity

10.1. Reactivity

Advice : Stable under recommended storage conditions.

10.2. Chemical stability

Advice : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Conditions to avoid : This information is not available.
Thermal decomposition : >300 °C

10.5. Incompatible materials

Materials to avoid : This information is not available.

10.6. Hazardous decomposition products

Hazardous decomposition : Sulphur oxides, Phenol products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Data for the product

Acute toxicity

Oral

Acute toxicity estimate : > 2000 mg/kg) This material may be a slight health hazard if ingested in large quantities.

Dermal

Acute toxicity estimate : > 5000 mg/kg) No hazards to be specially mentioned.

Irritation

Skin

Result : (Rabbit) No skin irritation

Eyes

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Result : (Rabbit) No eye irritation

Sensitisation

Result : (Guinea pig) (Magnusson-Kligman-Test)not sensitizing

CMR effects

CMR Properties

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

Mutagenicity : Not mutagenic in Ames Test
Mammalian chromosome aberration test: negative

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

Specific Target Organ Toxicity

Single exposure

Remarks : No data available

Repeated exposure

Remarks : No data available

Other toxic properties

Aspiration hazard

No data available,

11.2. Information on other hazards

Data for the product

Endocrine disrupting properties

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1. Toxicity

Data for the product

Acute toxicity

Fish

LC0 : > 2 mg/l (Danio rerio (zebra fish); 96 h) (Directive 67/548/EEC, Annex V, C.1.)

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Toxicity to daphnia and other aquatic invertebrates

EC0 : > 100 mg/l (Daphnia magna (Water flea); 48 h) (Directive 67/548/EEC, Annex V, C.2.)

Bacteria

EC50 : > 10000 mg/l (Bacteria; 3 h) (Respiration inhibition; OECD Test Guideline 209)

12.2. Persistence and degradability

Data for the product

Persistence and degradability

Biodegradability

Result : 61 % (Test substance: Alkyl sulphonic acid ester of phenol.; Exposure Time: 47 d)(OECD Test Guideline 301F)

Result : 49 % (Test substance: Alkyl sulphonic acid ester of phenol.; Exposure Time: 28 d)(OECD Test Guideline 301F)

12.3. Bioaccumulative potential

Data for the product

Bioaccumulation

Result : BCF: 7 - 212; (Test substance: Alkyl sulphonic acid ester of phenol.)

12.4. Mobility in soil

Data for the product

Mobility

Result : Highly mobile in soils

12.5. Results of PBT and vPvB assessment

Data for the product

Results of PBT and vPvB assessment

Result : 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.

Mesamoll**12.6. Endocrine disrupting properties****Data for the product**

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7. Other adverse effects**Data for the product****Adsorbed organic bound halogens (AOX)**

Result : The product contains organic halogens.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Product : Eliminate waste in conditions authorized by the regulations. Store waste in containers provided for this purpose. Do not dump in drains, water sheets or the ground.

Contaminated packaging : Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

European Waste Catalogue Number : Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Not dangerous goods for ADR, RID and IMDG.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packaging group

Not applicable.

Mesamoll**14.5. Environmental hazards**

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Data for the product**

Other regulations : No information available.

15.2. Chemical safety assessment

No data available

SECTION 16: Other information**Abbreviations and Acronyms**

AU AIICL	Australia. Industrial Chemicals Act (AIIC) List
BCF	bioconcentration factor
BOD	biochemical oxygen demand
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	carcinogenic, mutagenic or toxic to reproduction
COD	chemical oxygen demand
DNEL	derived no-effect level
DSL	Canada. Environmental Protection Act, Domestic Substances List
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
ENCS (JP)	Japan. Kashin-Hou Law List
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IECSC	China. Inventory of Existing Chemical Substances

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INSQ	Mexico. National Inventory of Chemical Substances
ISHL (JP)	Japan. Inventory of Industrial Safety & Health
KECI (KR)	Korea. Existing Chemicals Inventory
LC50	median lethal concentration
LOAEC	lowest observed adverse effect concentration
LOAEL	lowest observed adverse effect level
LOEL	lowest observed effect level
NDSL	Canada. Environmental Protection Act. Non-Domestic Substances List
NLP	no-longer polymer
NOAEC	no observed adverse effect concentration
NOAEL	no observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
NZIOC	New Zealand. Inventory of Chemicals
OECD	Organisation for Economic Cooperation and Development
OEL	occupational exposure limit
ONT INV	Canada. Ontario Inventory List
PBT	persistent, bioaccumulative and toxic
PHARM (JP)	Japan. Pharmacopoeia Listing
PICCS (PH)	Philippines. Inventory of Chemicals and Chemical Substances
PNEC	predicted no-effect concentration
REACH Auth. No.:	REACH Authorisation Number
REACH AuthAppC. No.	REACH Authorisation Application Consultation Number
UK REACH Auth. No.:	UK REACH Authorisation Number
UK REACH AuthAppC. No.	UK REACH Authorisation Application Consultation Number
UK REACH-Reg.No	UK REACH Registration Number
STOT	specific target organ toxicity
SVHC	substance of very high concern
TCSI	Taiwan. Existing Chemicals Inventory
TH INV	Thailand. Existing Chemicals Inventory from FDA
TSCA	US. Toxic Substances Control Act

Key literature references : Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

Methods used for product classification : The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.

Hints for trainings : The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety

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Data Sheet and the local conditions of the workplace. National regulations for the training of workers in the handling of hazardous materials must be adhered to.

|| Indicates updated section.

The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.

The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.