

# SAFETY DATA SHEET

In accordance with 1907/2006 annex II 2015/830 and 1272/2008  
(All references to EU regulations and directives are abbreviated into only the numeric term)  
Revision date 2020-10-02  
Replaces SDS issued 2018-12-07  
Version number 2.0



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

### 1.1. Product identifier

Trade name Mikroavfettning

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

Identified uses Cleaning/washing agents

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

Company Arom-dekor Kemi AB  
Europavägen 1  
51291 SEXDREGA  
Sweden  
Telephone 0320 60500  
E-mail info@aromdekor.se

### 1.4. Emergency telephone number

Acute cases: Call 112, request poison information.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Irreversible Eye Effects (Category 1), H318

### 2.2. Label elements

Hazard pictogram



Signal word Danger  
Hazard statement H318 Causes serious eye damage  
Precautionary statements  
P101 If medical advice is needed, have product container or label at hand  
P102 Keep out of reach of children  
P280 Wear eye protection/face protection  
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 doctor

### Supplemental hazard information

Contains: FATTY ALCOHOL ETHOXYLATE C9-C11 4EO

### 2.3. Other hazards

This product does not contain any substances that are assessed to be a PBT or a vPvB

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

Constituent	Classification	Concentration
<b>FATTY ALCOHOL ETHOXYLATE C9-C11 4EO</b>		
CAS No: 68439-46-3 EC No: 614-482-0	Skin Irrit 2, Eye Dam 1; H315, H318	<5 %
<b>ALCOHOLS, C9-11, ETHOXYLATED</b>		
CAS No: 68439-46-3 EC No: 614-482-0	Acute Tox <i>4oral</i> , Eye Dam 1; H302, H318	<2.4 %
<b>1-TRIDECANOL, MONOETHER WITH POLYETHYLENE GLYCOL</b>		
CAS No: 24938-91-8 EC No: 607-463-3	Eye Dam 1; H318	<2 %
<b>DIPROPYLENE GLYCOL METHYL ETHER</b>		
CAS No: 34590-94-8 EC No: 252-104-2 REACH: 01-2119450011-60		<1 %

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complements used in the calculation of the classification of this mixture, see Section 16b.

Contents according to 648/2004.

5-<15% Non-ionic surfactants.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Generally

In case of concern, or if symptoms persist, call a doctor/physician.

#### Upon breathing in

Allow the injured person to rest in a warm place with fresh air, seek medical advice.

#### Upon eye contact

Remove contact lenses immediately if possible.

Flush eyes immediately with lukewarm water for 15 - 20 minutes with wide-open eyes. Seek medical attention at once.

Important! Also flush during transport to hospital (eye specialist).

#### Upon skin contact

Remove contaminated clothing.

Wash the skin with soap and water.

If symptoms occur, contact a physician.

#### Upon ingestion

Rinse mouth out thoroughly first with water, then SPIT OUT the rinse water. Drink at least half a litre of water and seek medical advice. DO NOT INDUCE VOMITING.

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

#### Upon eye contact

Causes serious eye damage.

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

Symptomatic treatment.

Upon contact with a doctor, make sure to have the label or this safety data sheet with you.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Extinguish with materials intended for the surrounding fire.

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

On contact with metals hydrogen gas may form, which can be explosive on being mixed with air.

### 5.3. Advice for fire-fighters

Protective measures should be taken regarding other material at the site of the fire.

In case of fire use proper breathing apparatus.

Wear full protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation and exposure to skin and eyes.

Use suitable allergy-tested protective gloves when cleaning up.

Protect face and eyes with a visor or safety goggles when cleaning up spillage.

Use recommended safety equipment, see section 8.

Note that there is a risk of slipping if product is leaking/spilling.

Ensure good ventilation.

### 6.2. Environmental precautions

Avoid that larger spills reach drains, fields or waterways.

Please contact involved authorities if unintended release occurs.

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

Wash off with large quantities of water (50-100 volume parts). Dry up afterwards.

Residues left behind after cleaning shall be treated as hazardous waste. For further information, contact the local authority sanitisation works. Present this safety data sheet.

### 6.4. Reference to other sections

See section 8 and 13 for personal protection equipment and disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Store this product separately from food items and keep it out of the reach of children and pets.

Do not eat, drink or smoke in premises where this product is handled.

Work in order to avoid spillage. If spillage does occur, address it immediately in accordance with the directions specified in Section 6 of this safety data sheet.

Wash your hands after using the product.

Remove contaminated clothing.

Wash contaminated clothing before reuse.

Use recommended safety equipment, see section 8.

Implement appropriate engineering controls if necessary, see Section 8.

Keep away from incompatible products.

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

Keep out of reach for children.

Store separately from food and animal fodder, incl. utensils or surfaces which have been in contact with these things.

Always use sealed and visibly labeled packages.

Store only in the original package.

Store in a well-ventilated space.

Do not store above normal room temperature.

Take the necessary preventive and protective measures for safe storage.

### 7.3. Specific end uses

See identified uses in Section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National limit values

##### DIPROPYLENE GLYCOL METHYL ETHER

#### United Kingdom (EH40/2005)

Time-weighted-average exposure limit (TWA) 50 ppm / 308 mg/m<sup>3</sup>

Note Sk

#### SODIUM HYDROXIDE

#### United Kingdom (EH40/2005)

Short term exposure limit (STEL) 2 mg/m<sup>3</sup>

Explanations of abbreviations are given in Section 16b

#### DNEL

##### DIPROPYLENE GLYCOL METHYL ETHER

	Type of exposure	Route of exposure	Value
Consumer	Chronic Systemic	Inhalation	37.2 mg/m <sup>3</sup>
Worker	Chronic Systemic	Dermal	283 mg/kg bw
Worker	Chronic Systemic	Inhalation	308 mg/m <sup>3</sup>
Consumer	Chronic Systemic	Oral	36 mg/kg bw
Consumer	Chronic Systemic	Dermal	121 mg/kg bw

#### PNEC

##### DIPROPYLENE GLYCOL METHYL ETHER

Environmental protection target	PNEC value
Fresh water	19 mg/L
Freshwater sediments	190 mg/kg dw
Marine water	1.9 mg/L
Marine sediments	7.02 mg/kg dw
Microorganisms in sewage treatment	4168 mg/L
Soil (agricultural)	2.74 mg/kg dw
Intermittent	190 mg/L

### 8.2. Exposure controls

The hazards that the product or its constituents entail must be considered in the task specific risk assessment, in accordance with current working environment legislation. The risk assessment should be reviewed regularly and updated if necessary.

### 8.2.1. Appropriate engineering controls

The ventilation in the workplace must ensure an air quality that meets the requirements of the current working environment legislation. Local exhaust ventilation should be used to remove airborne contaminants at the source. Eye-rinsing facilities shall be available at the workplace.

### Eye/face protection

Never use contact lenses when working with this substance.  
Use protective glasses, safety goggles, or a visor.

### Skin protection

Wear suitable protective clothing when necessary.  
Use protective gloves fulfilling the standard EN374 if there is a risk of direct contact.  
The most suitable protective glove should be chosen in consultation with the glove supplier, taking into account the risk assessment for the specific task and the properties of the chemicals involved. Note that the breakthrough time of the material is affected by the duration of the exposure, temperature conditions, abrasion, etcetera.  
During continuous contact use gloves with a minimum breakthrough time of at least 240 minutes, preferably over 480 minutes.

### Respiratory protection

Use appropriate respiratory protective equipment in case of insufficient ventilation.  
A respiratory mask of the B filter type (grey, for inorganic gases and fumes) may be required.

### 8.2.3. Environmental exposure controls

Work with the product should take place in such a way that the product does not get into drains, waterways, soil and air.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

a) Appearance	Form: aqueous solution.
b) Odour	Not indicated
c) Odour threshold	Not indicated
d) pH	Not indicated
e) Melting point/freezing point	Not indicated
f) Initial boiling point and boiling range	Not indicated
g) Flash point	Not indicated
h) Evaporation rate	Not indicated
i) Flammability (solid, gas)	Not applicable
j) Upper/lower flammability or explosive limits	Not indicated
k) Vapour pressure	Not indicated
l) Vapour density	Not indicated
m) Relative density	Not indicated
n) Solubility	Solubility in water: Unlimited solubility
o) Partition coefficient: n-octanol/water	Not applicable
p) Auto-ignition temperature	Not indicated
q) Decomposition temperature	Not indicated
r) Viscosity	Not indicated
s) Explosive properties	Not applicable
t) Oxidising properties	Not applicable

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product contains no substances which can lead to hazardous reactions at normal use.

### 10.2. Chemical stability

The product is stable at normal storage and handling conditions.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

#### 10.4. Conditions to avoid

No data available.

#### 10.5. Incompatible materials

None known.

#### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Information on possible health hazards are based on experience and / or toxicological properties of several components in the product.

#### Acute toxicity

The product is not classified as acutely toxic.

#### ALCOHOLS, C9-11, ETHOXYLATED

LD50 rat 24h: > 2000 mg/kg Dermally

LD50 rat 24h: 500 - 2000 mg/kg Orally

#### DIPROPYLENE GLYCOL METHYL ETHER

LD50 rabbit 24h: > 19000 mg/kg Dermally

LD50 rat 24h: 5130 mg/kg Orally

LC50 rat 7h: > 1.667 mg/l Inhalation

#### Skin corrosion/irritation

The mixture is judged as a whole and is classified to be neither corrosive nor irritant to skin. Mild irritation may occur on prolonged or repeated exposure.

#### Serious eye damage/irritation

Contact with the eyes may cause irreversible eye damage.

#### Respiratory or skin sensitisation

The product is not classified as sensitising.

#### Germ cell mutagenicity

The product is not classified as mutagen.

#### Carcinogenicity

The product is not classified as carcinogenic.

#### Reproductive toxicity

The product is not classified as a reproductive toxicant.

#### STOT-single exposure

The product is not classified for specific organ toxicity after single exposure.

#### STOT-repeated exposure

The product is not classified for specific organ toxicity after repeated exposure.

#### Aspiration hazard

The product is not classified as being toxic for aspiration.

## SECTION 12: Ecological information

### 12.1. Toxicity

The product is not to be labelled as a environmental hazard. However, it is not inconceivable that large emissions, or repeated small emissions, can have a harmful effect on the environment.

Avoid larger spills in soil, water and drains.

#### DIPROPYLENE GLYCOL METHYL ETHER

LC50 fathead minnow (*Pimephales promelas*) 96h: > 10000 mg/l

LC50 Freshwater water flea (*Daphnia magna*) 48h: 5000 mg/L

EC50 Freshwater water flea (*Daphnia magna*) 48 h: > 1919 mg/l

LC50 Fish 96h: > 150 mg/L

NOEC Freshwater water flea (*Daphnia magna*) 21d: 0.5 mg/L

EC50 Algae (*Pseudokirchneriella subcapitata*) 96h: 969 mg/L

EC10 *Pseudomonas* (*Pseudomonas putida*) 18 h: 4168 mg/L

LC50 Guppy (*Poecilia reticulata*) 96h: > 1000 mg/L

LC50 Fish 4d: 1 g/L

### **12.2. Persistence and degradability**

The surfactants used in this product comply with the criteria for biodegradability under Regulation 648/2004.

### **12.3. Bioaccumulative potential**

No information exists on bioaccumulation, but there is no cause for concern in respect of this.

### **12.4. Mobility in soil**

The product is miscible with water and is therefore variable in soil and water.

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

This product does not contain any substances that are assessed to be a PBT or a vPvB.

### **12.6. Other adverse effects**

Not indicated.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Waste handling of the product**

The product is not classified as hazardous waste.

Empty, rinsed packaging is sent for recycling where practicable.

Residual, old or contaminated product should be disposed of at a waste management facility.

See directive 2008/98/EC on waste. Observe national or regional provisions on waste management.

#### **Classification according to 2008/98**

Recommended LoW-code: 20 01 29 detergents containing hazardous substances

## **SECTION 14: Transport information**

Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway), ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air).

### **14.1. UN number**

Not classified as dangerous goods

### **14.2. UN proper shipping name**

Not applicable

### **14.3. Transport hazard class(es)**

Not applicable

### **14.4. Packing group**

Not applicable

### **14.5. Environmental hazards**

Not applicable

### **14.6. Special precautions for user**

Not applicable

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable

### **14.8 Other transport information**

Not applicable

## **SECTION 15: Regulatory information**

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

Not indicated.

### **15.2. Chemical safety assessment**

Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

## SECTION 16: Other information

### 16a. Indication of where changes have been made to the previous version of the safety data sheet Revisions of this document

Earlier versions

2018-12-07 Changes in section(s) 2, 3, 6, 7, 8, 11, 12, 13, 16.

### 16b. Legend to abbreviations and acronyms used in the safety data sheet Full texts for Hazard Class and Category Code mentioned in section 3

Skin Irrit 2	Skin Irritant (Category 2)
Eye Dam 1	Irreversible Eye Effects (Category 1)
Acute Tox <i>4oral</i>	Acute toxicity (Category 4 oral)

### Explanations of the abbreviations in Section 8 United Kingdom (EH40/2005 (Third edition, published 2018))

Sk Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity

### Explanations of the abbreviations in Section 14

ADR European Agreement concerning the International Transport of Dangerous Goods by Road

RID Regulations concerning the International Transport of Dangerous Goods by Rail

IMDG International Maritime Dangerous Goods Code

ICAO International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)

IATA The International Air Transport Association

### 16c. Key literature references and sources for data Sources for data

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2020-10-02.

Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.

### Full texts for Regulations mentioned in this Safety Data Sheet



- 1907/2006 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
- 2015/830 COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- 1272/2008 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- 648/2004 REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents
- EH40/2005 EH40/2005 Workplace exposure limits
- 2008/98 DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives
- 1907/2006 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

**16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification**

Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I, where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI.

**16e. List of relevant hazard statements and/or precautionary statements  
Full texts for hazard statements mentioned in section 3**

H315 Causes skin irritation

H318 Causes serious eye damage

H302 Harmful if swallowed

**16f. Advice on any training appropriate for workers to ensure protection of human health and the environment  
Warning for misuse**

This product can cause harm if used improperly. The manufacturer, the distributor or the supplier are not responsible for adverse effects if the product is not handled in accordance with the directions for use.

**Other relevant information**

Not indicated

**Editorial information**



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