

# 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)

Issued 2018-01-15

Replaces issued SDS 2016-01-14

Version number 3.0

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

### 1.1. Product identifier

Trade name Specialfett P34

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

Identified uses Lubricants

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

Company Corema Svetsekonomi AB  
Box 237  
433 24 Partille  
Sweden  
Contact person Staffan Johannisson  
Telephone 031-3363682  
E-mail info@corema.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

Skin Irritant (Category 2), H315

Irritates eyes (Category 2), H319

Harmful to aquatic life with long-lasting effects (Category Chronic 3), H412

### 2.2. Label elements

Hazard pictogram



Signal word Warning

Hazard statements

H315

Causes skin irritation

H319

Causes serious eye irritation

H412

Harmful to aquatic life with long lasting effects

Precautionary statements

P273

Avoid release to the environment

P332+P313

If skin irritation occurs: Get medical advice/attention

P337+P313

If eye irritation persists: Get medical advice/attention

P501

Dispose of contents and container to authorised waste disposal facility

### 2.3. Other hazards

Not indicated.

## 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>AMINES, N-TALLOW ALKYLTRIMETHYLENEDI-, DIOLEATES</b>		
CAS No: 68153-99-1	Skin Corr 1B, Aquatic Acute 1; H314, H400	0.25 - 2.5 %

EC No: 268-902-9		
<b>ZINC OXIDE</b>		
CAS No: 1314-13-2 EC No: 215-222-5 Index No: 030-013-00-7 REACH: 01-2119463881-32	Aquatic Acute 1, Aquatic Chronic 1; <i>M = 1</i> ; H400, H410	<2.5 %

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.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Upon breathing in

Allow the injured person to rest in a warm place with fresh air, if symptoms persist seek medical attention.

#### Upon eye contact

Remove solid particles.

Remove contact lenses immediately if possible.

Rinse the eye for several minutes with lukewarm water. If irritation persists call a doctor/ophthalmologist.

#### Upon skin contact

Normal washing of the skin is considered sufficient; If nevertheless symptoms do occur, contact a physician.

Remove contaminated clothes.

#### 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

Serious eye irritation may occur.

#### Upon skin contact

Skin irritation may occur.

#### Upon ingestion

Ingestion may cause discomfort or reduced general condition.

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

Symptomatic treatment.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

#### Recommended extinguishing agents

Extinguish with water mist, powder, carbon dioxide or alcoholresistant foam.

#### Unsuitable extinguishing agents

May not be extinguished with water dispersed under high pressure.

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

Note, risk for discharge of environmentally harmful substances.

Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning, and, in case of incomplete combustion, aldehydes and other toxic, harmful, irritant or environmentally harmful substances.

### 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 a respirator mask.

Wear full protective clothing.

## SECTION 6: Accidental release measures

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

In case of spillage in protected water, call the emergency services immediately, tel. 112 (in Europe).

Avoid inhalation and exposure to skin and eyes.

Keep unauthorized and unprotected people at a safe distance.

Use recommended safety equipment, see section 8.

Use a chemical protection suit when cleaning up large spills.

### 6.2. Environmental precautions

Avoid emissions into soil, water or air.

Avoid discharge into sewers.

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

To be collected with caution and transported to a waste disposal facility.

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.

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

### 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

Avoid spillage, inhalation and contact with eyes and skin.

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.

Wash your hands after using the product.

Remove clothes which have been splattered.

Wash contaminated clothing before reuse.

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

This product should be stored well out of reach of young children and kept safely apart from products intended for consumption.

The product should be stored in a manner which prevents hazards to health and the environment. Avoid exposure to humans and animals and do not discharge the product in a sensitive environment.

Do not store above normal room temperature.

Store tightly, in original packaging.

### 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

All ingredients (cf. Section 3) lack occupational exposure limit values.

#### DNEL

#### ZINC OXIDE

	Type of exposure	Route of exposure	Value
Consumer	Chronic Systemic	Inhalation	2.5 mg/m <sup>3</sup>
Worker	Chronic Systemic	Dermal	83 mg/kg bw
Worker	Chronic Systemic	Inhalation	5 mg/m <sup>3</sup>
Consumer	Chronic Systemic	Oral	0.83 mg/kg bw
Consumer	Chronic Systemic	Dermal	83 mg/kg bw

#### PNEC

#### ZINC OXIDE

Environmental protection target	PNEC value
Fresh water	20.6 µg/L
Freshwater sediments	117.8 mg/kg dw
Marine water	6.1 µg/L
Marine sediments	56.5 mg/kg dw
Microorganisms in sewage treatment	100 µg/L
Soil (agricultural)	35.6 mg/kg dw

### 8.2. Exposure controls

In terms of minimizing risks, attention must be paid to the health hazards (see Sections 2, 3 and 10) of this product or any of its ingredients according to EU directives 89/391 and 98/24 and national occupational legislation.

#### 8.2.1. Appropriate engineering controls

Handle in premises with good ventilation.

Use local exhaust ventilation.

Eye-rinsing facilities shall be available at the workplace.

**Eye/face protection**

Use protective glasses, safety goggles, or a visor.

**Skin protection**

Use suitable protective clothing.

Use suitable protective gloves.

**Respiratory protection**

Use proper protective breathing equipment in case of insufficient ventilation.

A breathing mask of the A filter (brown) type, or a IIb (P2) dust filter may be required.

**8.2.3. Environmental exposure controls**

For limitation of environmental exposure, see Section 12.

## SECTION 9: Physical and chemical properties

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

a) Appearance	Form: paste. Colour: brown.
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	1.180 kg/L
n) Solubility	Solubility in water: Insoluble(<0.001%)
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 during normal use.

**10.4. Conditions to avoid**

No data available.

**10.5. Incompatible materials**

Avoid contact with oxidizers.

Avoid contact with acids.

**10.6. Hazardous decomposition products**

None under normal conditions.

## SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

Not indicated.

**Acute toxicity**

The product is not classified as acute toxic.

**ZINC OXIDE**

LD50 rat 24h: > 2000 mg/kg Dermally

LC50 rat 4h: > 5.7 mg/L Inhalation

LD50 rat 24h: > 5000 mg/kg Orally

**Skin corrosion/irritation**

Irritant to skin.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation**

The product is not classified as sensitising.

**Germ cell mutagenicity**

No mutagenic effects have been reported for the substance in this mixture.

**Carcinogenicity**

No carcinogenic effects have been reported for the substances in this product.

**Reproductive toxicity**

No toxic effects to reproduction have been reported for the substances in this mixture.

**STOT-single exposure**

No known hazards for occasional exposure.

**STOT-repeated exposure**

No known hazards for repeated exposure.

**Aspiration hazard**

The product is not classified as being toxic for aspiration.

## SECTION 12: Ecological information

**12.1. Toxicity**

Prevent release on land, in water and drains.

Avoid all emissions into the natural surrounding environment.

Harmful to aquatic life with long lasting effects.

**ZINC OXIDE**

LC50 Rainbow trout (*Oncorhynchus mykiss*) 96h: 1.1 mg/L

LC50 Freshwater water flea (*Daphnia magna*) 48h: 1.7 mg/L

EC50 Algae 72 h: 0.14 mg/L

NOEC Algae 72h: 0.024 mg/L

NOEC Fish 96h: 0.53 mg/L

**12.2. Persistence and degradability**

No information about persistence or degradability exists but there is no reason to suppose that the product is persistent.

**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 not soluble in water.

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

No chemical safety report has been executed.

**12.6. Other adverse effects**

Not indicated.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods****Waste handling of the product**

Avoid discharge into sewers.

The product is hazardous to the environment and the waste thereof should be considered hazardous material (if this is not treated so that this risk be eliminated).

This product is suited for recycling; Contact the distributor for information.

Final disposal of this product should be carried out after converting it into substances which are less hazardous to the environment.

Also take local regulations for dealing with waste into account.

See also national waste regulations.

**Classification according to 2006/12**

Recommended LoW-code: 07 06 04 Other organicsolvents, washing liquids and mother liquors

## 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

2016-01-14 Changes in section(s) 4, 5, 6, 7, 8, 10, 11, 12, 13.

**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 Corr 1B

Corrosive (Category 1B)

Aquatic Acute 1

Very toxic to aquatic life (Category Acute 1)

Aquatic Chronic 1; *M = 1*

Very toxic to aquatic life with long lasting effects to aquatic environments (Category Chronic 1)

**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 2018-01-15.

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

- 89/391 COUNCIL DIRECTIVE (89/391/EEC of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work
- 98/24 COUNCIL DIRECTIVE 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC)
- 2006/12 DIRECTIVE 2006/12/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 5 April 2006 on waste
- 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**

H314 Causes severe skin burns and eye damage

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

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

**Warning for misuse**

This product can cause injuries if not used properly. The manufacturer, the distributor or the supplier are not responsible for adverse effects if the product is not handled in accordance with its intended use.

**Other relevant information**

**Editorial information**



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