

Trade name: havon FEIN

Substance number: SUB302021360000

Version: 4 / EU

Date revised: 15.12.2015

the date of issue: 29.03.07

Replaces Version: 3 / EU

Print date: 22.12.15

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

1.1. Product identifier

havon FEIN

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

Use of the substance/preparation

Washing liquid for wool and silk. For industrial application only.

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

HAGLEITNER HYGIENE International GmbH
Lunastrasse 5
A-5700 Zell am See
Telephone no. +43 (0)5 0456
Fax no. +43 (0)5 0456 7777
E-Mail regulatoryaffairs@hagleitner.at
Information provided Regulatory Affairs
by / telephone
E-mail address of regulatoryaffairs@hagleitner.at
person responsible
for this SDS

Address/Supplier

HAGLEITNER HYGIENE International GmbH
Lunastrasse 5
AT5700 Zell am See
Telephone no. +43 (0)5 0456
Fax no. +43 (0)5 0456 7777
E-mail address of regulatoryaffairs@hagleitner.at
person responsible
for this SDS

1.4. Emergency telephone number

Anti Poison Center Vienna: +43 (0)1 406 43430

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3	H226
Skin Irrit. 2	H315
Eye Dam. 1	H318
Aquatic Chronic 3	H412

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008
For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms

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**Signal word**

Danger

Hazard statements

H226 Flammable liquid and vapour.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P280 Wear protective gloves/protective clothing/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 POISON CENTER or doctor.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Isotridecanoethoxylate; Alkylpolyglucoside; Fatty Alcohol ethoxylated C13 3EO; Polyoxyethylene isodecyl ether; Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

For industrial application only.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous ingredients (Regulation (EC) No. 1272/2008)****Ethanol**

CAS No.	64-17-5				
EINECS no.	200-578-6				
Registration no.	01-2119457610-43-XXXX				
Concentration	>= 10	<	25	%	

Classification (Regulation (EC) No. 1272/2008)
 Flam. Liq. 2 H225

Isotridecanoethoxylate

CAS No.	POLYMER				
EINECS no.	N.A.				
Registration no.	02-2119552461-55-0000				
Concentration	>= 3	<	10	%	

Classification (Regulation (EC) No. 1272/2008)
 Eye Dam. 1 H318
 Acute Tox. 4 H302

Concentration limits (Regulation (EC) No. 1272/2008)
 Eye Dam. 1 H318 >= 10 %

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H319 < 10 %

Alkylpolyglucoside

CAS No. 161074-93-7

EINECS no. N.D.

Registration no. POLYMER

Concentration >= 3 < 10 %

Classification (Regulation (EC) No. 1272/2008)

Eye Dam. 1 H318

Fatty Alcohol ethoxylated C13 3EO

CAS No. 69011-36-5

EINECS no. N.A.

Registration no. POLYMER

Concentration >= 3 < 10 %

Classification (Regulation (EC) No. 1272/2008)

Aquatic Chronic 3 H412

Eye Dam. 1 H318

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., potassium salts

CAS No. 84961-78-4

EINECS no. 284-669-6

Registration no. 05-2114589564-33

Concentration >= 1 < 3,1 %

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H302

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

CAS No. 68424-85-1

EINECS no. 270-325-2

Registration no. PRE

Concentration >= 1 < 2,5 %

Classification (Regulation (EC) No. 1272/2008)

Met. Corr. 1 H290

Skin Corr. 1B H314

Aquatic Acute 1 H400

Acute Tox. 4 H302

Acute Tox. 4 H312

Aquatic Chronic 1 H410

Concentration limits (Regulation (EC) No. 1272/2008)

Aquatic Acute 1 H400 M = 10

Polyoxyethylene isodecyl ether

CAS No. 61827-42-7

Concentration >= 1 < 1,6 %

Classification (Regulation (EC) No. 1272/2008)

Eye Dam. 1 H318

Acute Tox. 4 H302

Ingredients (Regulation (EC) No 648/2004)

15 % or over but less than 30 %:

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non-ionic surfactants
5 % or over but less than 15 %:
soap
less than 5 %:
anionic surfactants
non-ionic surfactants
phosphonates
constituent:
perfumes

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air. No special measures required.

After skin contact

In case of contact with skin wash off with warm water. No special measures required.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Eye treatment by an Occulist.

After ingestion

Rinse mouth thoroughly with water. If swallowed, seek medical advice immediately and show this container or label.

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

Until now no symptoms known so far.

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

Hints for the physician / treatment

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Compatible with all usual extinguishing media.

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

None known

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product. Use personal protective clothing.

6.2. Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). Rinse away rest with plenty of water.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed. Observe the usual precautions for handling chemicals. Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value	>=	5	<=	25	°C
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Storage stability

Storage life: 3 years

Requirements for storage rooms and vessels

Keep only in the original container. Storage rooms must be properly ventilated.

Further information on storage conditions

Keep locked up and out of the reach of children. Keep container tightly closed; open and handle with care.

7.3. Specific end use(s)

For industrial application only.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Ethanol

List	TRGS 900			
Type	TRGS 900			
Value	500	mg/m ³	960	ml/m ³
Maximum limit value: 2(II)				

8.2. Exposure controls

General protective and hygiene measures

Avoid prolonged and/or repeated contact with skin. Use barrier skin cream. Do not eat, drink or smoke during work time. Observe the usual precautions for handling chemicals.

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Respiratory protection

Not necessary, but do not inhale vapours.

Hand protection

In case of intensive contact wear protective gloves.

Appropriate Material butyl

Material thickness = 0,5 mm

Breakthrough time >= 120 min

Appropriate Material nitrile

z.B.: BRILLANT nitrilX-TREME, Art.-Nr. 4451001000 oder BRILLANT nitrilSTYLE, Art.-Nr. 4451001300

Eye protection

Safety glasses

Body protection

Clothing as usual in the chemical industry.

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

Form liquid
Colour green
Odour Product specific

pH value

Value 7,8
 Concentration/H₂O 100 %
 Temperature 20 °C
 Remarks neutral

Freezing point

Value appr. -4 to 4 °C

Sublimation point

Remarks not determined

Initial boiling point and boiling range

Value appr. 100 °C

Flash point

Value 34 °C

Evaporation rate

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Vapour pressure

Remarks not determined

Vapour density

Remarks not determined

DensityValue 1,0195 g/cm³**Solubility in water**

Remarks Completely miscible

Solubility(ies)

Remarks not determined

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Partition coefficient: n-octanol/water

Remarks not determined

Auto-ignition temperature

Remarks not determined

Combustion factor

Remarks not determined

Decomposition temperature

Remarks No decomposition if used as prescribed.

Viscosity

Remarks not determined

Oxidising properties

evaluation None known

9.2. Other information**Bulk density**

Remarks not determined

Packed bulk density

Remarks not determined

Solids content

Remarks not determined

Saturation Concentration

Remarks not determined

Critical point

Remarks not determined

Dissociation constant

Remarks not determined

Surface tension

Remarks not determined

Other information

None known

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactions with impurities.

10.2. Chemical stability

Protect from extreme heat and cold.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Keep at temperature not exceeding 30 °C.

Decomposition temperature

Remarks No decomposition if used as prescribed.

10.5. Incompatible materials

No hazardous reactions when stored and handled according to prescribed instructions.

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10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

ATE 3.261,55 mg/kg
85

Method calculated value (Regulation (EC) No. 1272/2008)

Acute oral toxicity (Components)**Isotridecanoethoxylate**

Species rat
LD50 = 500 to 2000 mg/kg
Method OECD-Directive 423

Ethanol

Species rat
LD50 > 2000 mg/kg
Method OECD 401

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Species rat
LD50 = 795 mg/kg

Acute dermal toxicity

ATE > 10.000 mg/kg
Method calculated value (Regulation (EC) No. 1272/2008)

Acute dermal toxicity (Components)**Ethanol**

Species rabbit
LD50 > 2000 mg/kg
Method OECD 402

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Species rat
LD50 = 1560 mg/kg

Acute inhalative toxicity (Components)**Ethanol**

Species rat
LC50 > 20 mg/l
Duration of exposure = 4 h
Administration/Form Vapors

Skin corrosion/irritation

evaluation irritant

Serious eye damage/irritation

evaluation irritant - risk of serious damage to eyes

Sensitization

evaluation non-sensitizing

Subacute, subchronic, chronic toxicity

Remarks not determined

Mutagenicity

Remarks not determined

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Reproductive toxicity

Remarks not determined

Carcinogenicity

Remarks not determined

Specific Target Organ Toxicity (STOT)

Remarks not determined

Experience in practice

Inhalation may lead to irritation of the respiratory tract.

Other information

Product specific toxicological data are not known.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****Isotridecanoethoxylate**

Species	golden orfe (<i>Leuciscus idus</i>)	
LC50	= 1 to 10	mg/l
Source	Manufacturer's data	

Ethanol

Species	Fathead minnow (<i>Pimephales promelas</i>)	
LC50	= 15300	mg/l
Duration of exposure	= 96 h	
Method	US-EPA	

Daphnia toxicity (Components)**Isotridecanoethoxylate**

EC50	= 1 to 10	mg/l
Duration of exposure	= 72 h	

Ethanol

Species	Ceriodaphnia spec	
EC50	> 10000	mg/l
Duration of exposure	= 48 h	
Source	Manufacturer's data	

Ethanol

Species	Daphnia magna	
EC50	> 10000	mg/l
Duration of exposure	= 48 h	

Algae toxicity (Components)**Isotridecanoethoxylate**

EC50	= 1 to 10	mg/l
Duration of exposure	= 72 h	

Ethanol

Species	Chlorella vulgaris	
EC10	= 11,5	mg/l
Duration of exposure	= 3 d	
Method	OECD TG 201	

Ethanol

Species	Chlorella vulgaris	
EC50	= 275	mg/l
Duration of exposure	= 3 d	

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Method OECD TG 201

Bacteria toxicity (Components)**Isotridecanoethoxylate**

Species	activated sludge	
EC10	> 10000	mg/l
Duration of exposure	= 17 h	
Method	DIN 38412 Part8	
Source	Manufacturer's data	

Ethanol

	= 5800	mg/l
Duration of exposure	= 4 h	

12.2. Persistence and degradability**General information**

not determined

12.3. Bioaccumulative potential**General information**

not determined

Partition coefficient: n-octanol/water

Remarks not determined

12.4. Mobility in soil**General information**

not determined

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

not determined

12.6. Other adverse effects**General information**

not determined

General information / ecology

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code 20 01 29* detergents containing dangerous substances

The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

SECTION 14: Transport information

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Land transport ADR/RID

Non-dangerous goods

14.1. UN number

UN -

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

Class

-

14.4. Packing group

Packing group

-

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

14.1. UN number

UN -

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

Class

-

14.4. Packing group

Packing group

-

Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

14.1. UN number

UN -

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

Class

-

14.4. Packing group

Packing group

-

Information for all modes of transport**14.6. Special precautions for user**

Non-dangerous goods

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

not determined

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15 % or over but less than 30 %:**

non-ionic surfactants

less than 5 %:

phosphonates

Further ingredients

p-tert-Butyl-alpha-methylhydrocinnamic aldehyde, dl-Citronellol, alpha-Hexylcinnamaldehyde, Linalool, Dipentene

Water Hazard Class (Germany)

Water Hazard Class

WGK 2

(Germany)

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Remarks

Classification according to Annex 4 VwVwS

VOC

VOC (CH)	=	16,5	%
VOC (EU)	=	16,5	%

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Alterations/supplements: Alterations to the previous edition are marked with an asterisk (*) in the left-hand margin.

Hazard statements listed in Chapter 3

H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1
Flam. Liq. 2	Flammable liquid, Category 2
Met. Corr. 1	Substance or mixture corrosive to metals, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Civil Aviation Organization
 CAS: Chemical Abstracts Service
 EINECS: European Inventory of Existing Commercial Chemical Substances
 VOC: Volatile Organic Compound
 NOEL: No observable effect level
 NOEC: No observable effect concentration
 LD: Lethal dose
 LC: Lethal concentration
 REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals
 IMO: International Maritime Organization
 DNEL: Derived no effect level
 PNEC: Predicted no effect concentration
 RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
 EC: European Community
 EU: European Union
 GHS: Globally Harmonized System of classification and Labelling of Chemicals
 MAK: Maximale Arbeitsplatz-Konzentration
 INCI: International Nomenclature of Cosmetic Ingredients
 UN: United Nations

Supplemental information

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Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a
guarantee for any specific product properties and shall not establish a legally valid relationship.

