

Trade name: havon FS

Substance number: SUB302020320000

Version: 3 / EU

Date revised: 15.12.2015

the date of issue: 15.04.15

Replaces Version: 2 / EU

Print date: 22.12.15

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

1.1. Product identifier

havon FS

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

Use of the substance/preparation

Washing additive, 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)
Eye Dam. 1 H318
Acute Tox. 4 H302
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

Trade name: havon FS

Substance number: SUB302020320000

Version: 3 / EU

Date revised: 15.12.2015

the date of issue: 15.04.15

Replaces Version: 2 / EU

Print date: 22.12.15

**Signal word**

Danger

Hazard statements

H318 Causes serious eye damage.
 H317 May cause an allergic skin reaction.
 H302 Harmful if swallowed.
 H412 Harmful to aquatic life with long lasting effects.
 EUH208 Contains Orange oil, sweet, May produce an allergic reaction.

Precautionary statements

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; Fatty Alcohol ethoxylated C13 3EO

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)****Isotridecanoethoxylate**

CAS No.	POLYMER
EINECS no.	N.A.
Registration no.	02-2119552461-55-0000
Concentration	>= 25 < 50 %

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 %
	H319	< 10 %

Fatty Alcohol ethoxylated C13 3EO

CAS No.	69011-36-5
EINECS no.	N.A.
Registration no.	POLYMER
Concentration	>= 25 < 50 %

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

Aquatic Chronic 3	H412
Eye Dam. 1	H318

Trade name: havon FS

Substance number: SUB302020320000

Version: 3 / EU

Date revised: 15.12.2015

the date of issue: 15.04.15

Replaces Version: 2 / EU

Print date: 22.12.15

2-(2-Butoxyethoxy)ethanol

CAS No. 112-34-5

EINECS no. 203-961-6

Registration no. 01-2119475104-44-0005

Concentration ≥ 10 < 25 %

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

Eye Irrit. 2 H319

Orange oil, sweet

CAS No. 8028-48-6

EINECS no. 232-433-8

Concentration $\geq 0,25$ < 1 %

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

Flam. Liq. 3 H226

Skin Irrit. 2 H315

Skin Sens. 1 H317

Asp. Tox. 1 H304

Aquatic Chronic 1 H410

Ingredients (Regulation (EC) No 648/2004)

5 % or over but less than 15 %:

non-ionic surfactants

less than 5 %:

cationic surfactants

constituent:

perfumes

allergenic fragrances (>0,01% by weight):

HEXYL CINNAMAL

BUTYLPHENYL METHYPROPIONAL

preservation agents:

METHYLCHLOROISOTHIAZOLINONE

METHYLISOTHIAZOLINONE

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.

Print date: 22.12.15

Trade name: havon FS

Substance number: SUB302020320000

Version: 3 / EU

Date revised: 15.12.2015

the date of issue: 15.04.15

Replaces Version: 2 / EU

Print date: 22.12.15

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**8.2. 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.

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	colourless, clear
Odour	of vegetable oils

pH value

Value	appr.	8,7	
Concentration/H ₂ O		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	>	100	°C
-------	---	-----	----

Evaporation rate

Trade name: havon FS

Substance number: SUB302020320000

Version: 3 / EU

Date revised: 15.12.2015

the date of issue: 15.04.15

Replaces Version: 2 / EU

Print date: 22.12.15

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Vapour pressure

Remarks not determined

Vapour density

Remarks not determined

Density

Value	0,99		g/cm ³
Temperature	20	°C	

Solubility in water

Remarks Completely miscible

Solubility(ies)

Remarks not determined

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**dynamic**

Value	appr. 10		mPa.s
Temperature	20	°C	

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

Trade name: havon FS

Substance number: SUB302020320000

Version: 3 / EU

Date revised: 15.12.2015

the date of issue: 15.04.15

Replaces Version: 2 / EU

Print date: 22.12.15

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.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

ATE	1.015,64	mg/kg
	09	

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	

2-(2-Butoxyethoxy)ethanol

Species	rat	
LD50	> 2000	mg/kg
Source	Literature value	

Acute dermal toxicity (Components)

2-(2-Butoxyethoxy)ethanol

Species	rabbit	
LD50	> 2000	mg/kg
Source	Literature value	

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
---------	----------------

Trade name: havon FS

Substance number: SUB302020320000

Version: 3 / EU

Date revised: 15.12.2015

the date of issue: 15.04.15

Replaces Version: 2 / EU

Print date: 22.12.15

Mutagenicity

Remarks not determined

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			

2-(2-Butoxyethoxy)ethanol

Species	golden orfe (<i>Leuciscus idus</i>)			
LC50	>	100		mg/l
Source	Literature value			

Daphnia toxicity (Components)**Isotridecanoethoxylate**

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

2-(2-Butoxyethoxy)ethanol

Species	Daphnia magna			
EC50	>	100		mg/l
Duration of exposure	=	48	h	
Source	Literature value			

Algae toxicity (Components)**Isotridecanoethoxylate**

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

2-(2-Butoxyethoxy)ethanol

EC50	>	100		mg/l
Source	Literature value			

Bacteria toxicity (Components)**Isotridecanoethoxylate**

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

12.2. Persistence and degradability

Trade name: havon FS

Substance number: SUB302020320000

Version: 3 / EU

Date revised: 15.12.2015

the date of issue: 15.04.15

Replaces Version: 2 / EU

Print date: 22.12.15

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**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

-

14.5. Environmental hazards

-

Marine transport IMDG/GGVSee

Trade name: havon FS

Substance number: SUB302020320000

Version: 3 / EU

Date revised: 15.12.2015

the date of issue: 15.04.15

Replaces Version: 2 / EU

Print date: 22.12.15

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

-

14.5. Environmental hazards

-

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

-

14.5. Environmental hazards

-

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****30 % and more:**

non-ionic surfactants

Further ingredients

perfumes

VOC

VOC (CH) = 20,5 %

VOC (EU) = 20,5 %

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

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

Trade name: havon FS

Substance number: SUB302020320000

Version: 3 / EU

Date revised: 15.12.2015

the date of issue: 15.04.15

Replaces Version: 2 / EU

Print date: 22.12.15

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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 Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 3	Flammable liquid, Category 3
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1

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

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.

