

Trade name: fox 3in1

Substance number: SUB302022420000

Version: 1 / EU

Date revised: 06.03.2017

the date of issue: 23.08.16

Replaces Version: - / EU

Print date: 03.04.17

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

1.1. Product identifier

fox 3in1

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

Use of the substance/preparation

Concentrated neutral dishwashing liquid for manual dishwashing. 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 by / telephone Regulatory Affairs
E-mail address of person responsible regulatoryaffairs@hagleitner.at
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 person responsible regulatoryaffairs@hagleitner.at
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 Irrit. 2 H319
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**

Warning

Hazard statements

H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P501 Dispose of contents/container according to the local/national rules and regulations.

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

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)****Alkylethersulfate, Sodium salt**

CAS No. 68891-38-3
EINECS no. 500-234-8
Registration no. 01-2119488639-16
Concentration ≥ 5 < 10 %

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

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

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

Eye Dam. 1 H318 ≥ 10 %
Eye Irrit. 2 H319 $\geq 5 < 10$ %

Isotridecanoethoxylate

CAS No. POLYMER
EINECS no. N.A.
Registration no. 02-2119552461-55-0000
Concentration ≥ 1 < 3 %

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 %

5-Chloro-2-(4-chlorophenoxy)phenol

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CAS No.	3380-30-1				
EINECS no.	429-290-0				
Concentration	>=	0,025	<	0,1	%

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

Eye Dam. 1	H318
Aquatic Chronic 1	H410
Aquatic Acute 1	H400

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

Aquatic Chronic 1	H410	M = 10
Aquatic Acute 1		M = 10

Isopentyl acetate

CAS No.	123-92-2				
EINECS no.	204-662-3				
Concentration		<	0,1	%	

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

Flam. Liq. 3	H226
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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

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Maintain air concentrations below occupational exposure standards.

Derived No/Minimal Effect Levels (DNEL/DMEL)**Alkylethersulfate, Sodium salt**

Reference substance	Alkylethersulfate, Sodium salt	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	2750	mg/kg/d

Type of value	Alkylethersulfate, Sodium salt	
	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	175	mg/m ³

Type of value	Alkylethersulfate, Sodium salt	
	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	1650	mg/kg/d

Type of value	Alkylethersulfate, Sodium salt	
	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	52	mg/m ³

Type of value	Alkylethersulfate, Sodium salt	
	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	15	mg/kg/d

Predicted No Effect Concentration (PNEC)**Alkylethersulfate, Sodium salt**

Reference substance	Alkylethersulfate, Sodium salt	
Type of value	PNEC	
Type	Freshwater	
Concentration	0,24	mg/l
Method	Assessment factors	

Type of value	Alkylethersulfate, Sodium salt	
	PNEC	
Type	Saltwater	
Concentration	0,024	mg/l

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Method	Assessment factors	
Type of value	Alkylethersulfate, Sodium salt	
Type	PNEC	
Concentration	Sewage treatment plant (STP)	
Method	10000	mg/l
	Assessment factors	
Type of value	Alkylethersulfate, Sodium salt	
Type	PNEC	
Concentration	Freshwater sediment	
Method	5,45	mg/kg
	Equilibrium partitioning	
Type of value	Alkylethersulfate, Sodium salt	
Type	PNEC	
Concentration	Marine sediment	
Method	0,545	mg/kg
	Equilibrium partitioning	
Type of value	Alkylethersulfate, Sodium salt	
Type	PNEC	
Concentration	Soil	
Method	0,946	mg/kg
	Equilibrium partitioning	

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, slightly viscous
Colour colourless, clear
Odour Product specific
pH value
 Value appr. 5 to 7

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Concentration/H₂O = 100 %
 Temperature = 20 °C

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 > 65 °C

Evaporation rate

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Vapour pressure

Remarks not determined

Vapour density

Remarks not determined

Density

Value appr. 1,02 g/cm³
 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

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

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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.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

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

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

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

Reproductive toxicity

Remarks not determined

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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****General information**

not determined

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.

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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

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 Marpol and the IBC Code**

not determined

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

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5 % or over but less than 15 %:

anionic surfactants

less than 5 %:

non-ionic surfactants, amphoteric surfactants

Further ingredients

perfumes

Water Hazard Class (Germany)

Water Hazard Class (Germany) WGK 2

Remarks Classification according to Annex 4 VwVwS

VOC

VOC (CH) = 0 %

VOC (EU) = 0 %

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.
H315	Causes skin irritation.
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. 3	Flammable liquid, Category 3
Skin Irrit. 2	Skin irritation, Category 2

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

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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.

