

Trade name: floorstar2GO

Substance number: SUB441020081900

Version: 4 / EU

Date revised: 31.01.2019

the date of issue: 20.06.16

Replaces Version: 3 / EU

Print date: 31.01.19

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

1.1. Product identifier

floorstar2GO

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

Use of the substance/preparation

Concentrated universal cleaner. 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

Distributor

Peerless JAL Pty Ltd
www.peerlessjal.com.au
Street Address: 6-12 Raglan St,
Preston VIC 3072

Emergency Telephone Number:
03 9416 6700

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 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 ***

H318 Causes serious eye damage.
 H412 Harmful to aquatic life with long lasting effects.
 EUH208 Contains Dipentene, A mixture of: 5-Chloro-2-methyl-2h-isothiazol-3-one [EC-no. 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC-no. 220-239-6] (3:1), May produce an allergic reaction.

Precautionary statements ***

P273 Avoid release to the environment.
 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.
 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)

contains *** 2-Propylheptanoethoxilate

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) *******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

2-Propylheptanoethoxilate

CAS No.	160875-66-1				
Concentration	>= 3	<	10	%	

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

fatty alcohol alkoxyate 4

CAS No.	POLYMER
EINECS no.	POLYMER

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Registration no. 02-2119552554-37-0000
 Concentration $\geq 1 < 10$ %

Classification (Regulation (EC) No. 1272/2008)
 Acute Tox. 4 H302
 Eye Irrit. 2 H319
 Aquatic Chronic 3 H412

Dipentene

CAS No. 138-86-3
 EINECS no. 205-341-0
 Concentration $\geq 0,25 < 1$ %

Classification (Regulation (EC) No. 1272/2008)
 Aquatic Chronic 1 H410
 Aquatic Acute 1 H400
 Flam. Liq. 3 H226
 Skin Irrit. 2 H315
 Skin Sens. 1 H317

A mixture of: 5-Chloro-2-methyl-2h-isothiazol-3-one [EC-no. 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC-no. 220-239-6] (3:1)

CAS No. 55965-84-9
 Concentration $< 0,0015$ %

Classification (Regulation (EC) No. 1272/2008)
 Acute Tox. 3 H331
 Aquatic Chronic 1 H410
 Aquatic Acute 1 H400
 Skin Sens. 1 H317
 Skin Corr. 1B H314
 Acute Tox. 3 H311
 Acute Tox. 3 H301

Concentration limits (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315 $\geq 0,06 < 0,6$
 Eye Irrit. 2 H319 $\geq 0,06 < 0,6$
 Skin Corr. 1B H314 $\geq 0,6$
 Skin Sens. 1 H317 $\geq 0,0015$

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 Oculist.

After ingestion

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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.

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**

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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****Other information**

Maintain air concentrations below occupational exposure standards.

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	orange
Odour	Product specific

pH value

Value	appr. 6	to	8
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Concentration/H ₂ O	=	100	%
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Freezing point

Value	appr. -4	to	4	°C
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Sublimation point

Remarks	not determined
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Initial boiling point and boiling range

Value appr. 100 °C

Flash point

Value > 100 °C

Evaporation rate

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Vapour pressure

Remarks not determined

Vapour density

Remarks not determined

DensityValue appr. 1 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

Remarks not determined

Critical point

Remarks not determined

Dissociation constant

Remarks not determined

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

Acute oral toxicity (Components)**fatty alcohol alkoxylate 4**

Species	rat	
LD50	> 2000	mg/kg
Source	Manufacturer's data	

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

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evaluation

non-sensitizing

Subacute, subchronic, chronic toxicity

Remarks

not determined

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)****fatty alcohol alkoxylate 4**

Species

golden orfe (Leuciscus idus)

LC50

= 1 to 10

mg/l

Duration of exposure

= 48 h

Source

Manufacturer's data

2-(2-Butoxyethoxy)ethanol

Species

golden orfe (Leuciscus idus)

LC50

> 100

mg/l

Source

Literature value

Daphnia toxicity (Components)**fatty alcohol alkoxylate 4**

LC50

= 1 to 10

mg/l

Duration of exposure

= 48 h

Source

Manufacturer's data

2-(2-Butoxyethoxy)ethanol

Species

Daphnia magna

EC50

> 100

mg/l

Duration of exposure

= 48 h

Source

Literature value

Algae toxicity (Components)**2-(2-Butoxyethoxy)ethanol**

EC50

> 100

mg/l

Source

Literature value

Bacteria toxicity (Components)**fatty alcohol alkoxylate 4**

Species

activated sludge

> 1000

mg/l

12.2. Persistence and degradability

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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

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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****5 % or over but less than 15 %:**

non-ionic surfactants

Further ingredients

perfumes, A mixture of: 5-Chloro-2-methyl-2h-isothiazol-3-one [EC-no. 247-500-7] and 2-Methyl-2H-isothiazol-3-one [EC-no. 220-239-6] (3:1), dl-Citronellol, Geraniol, alpha-Hexylcinnamaldehyde, Linalool, Dipentene, Citral

VOC

VOC (CH) = 10 %

VOC (EU) = 10 %

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

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H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
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. 3	Acute toxicity, Category 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
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 3	Flammable liquid, Category 3
Skin Corr. 1B	Skin corrosion, Category 1B
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.

