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

1.1. Product identifier

orangePOWER

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

Use of the substance/preparation

Universal cleanser, 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 for this SDS	regulatoryaffairs@hagleitner.at

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 for this SDS	regulatoryaffairs@hagleitner.at

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
Skin Sens. 1	H317
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

Signal word

Warning

Hazard statements

H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
H319	Causes serious eye irritation.

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 Methyl trimethyl-3-[(1-oxododecyl)amino]propylammonium sulphate;Orange oil, sweet;Isotridecanolethoxylate

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)

Isotridecanolethoxylate

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 %
	H319	< 10 %

Orange oil, sweet

CAS No.	8028-48-6				
EINECS no.	232-433-8				
Concentration	>=	1	<	2,5	%

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

Methyl trimethyl-3-[(1-oxododecyl)amino]propylammonium sulphate

CAS No.	10595-49-0				
EINECS no.	234-204-8				
Registration no.	PRE				
Concentration	>=	1	<	2,5	%

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

Skin Irrit. 2	H315
Eye Dam. 1	H318
Skin Sens. 1	H317
Aquatic Acute 1	H400
Aquatic Chronic 2	H411

Ingredients (Regulation (EC) No 648/2004)

5 % or over but less than 15 %:
non-ionic surfactants
less than 5 %:
cationic surfactants
constituent:
preservation agents:
BENZISOTHIAZOLINONE
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.

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

Value	>=	5	<=	25	°C

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

There is not known any national exposure limit.

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	brownish yellow				
Odour	of vegetable oils				
pH value					
Value		7,0	to	7,5	
Concentration/H2O		100	%		
Temperature		20	°C		
Remarks	neutral				
Melting point					
Value	appr.	0,0			°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	>	100			°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	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

dynamic

Value	appr.	15	mPa.s

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.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

ATE	6.207,3246	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)

Isotridecanolethoxylate

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

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

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)

Isotridecanolethoxylate

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

Daphnia toxicity (Components)

Isotridecanolethoxylate

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

Algae toxicity (Components)

Isotridecanolethoxylate

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

Bacteria toxicity (Components)

Isotridecanolethoxylate

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

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

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

5 % or over but less than 15 %:

non-ionic surfactants

less than 5 %:

cationic surfactants, polycarboxylates

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)

VOC

VOC (CH)	=	3	%
VOC (EU)	=	3	%

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.
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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic 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 2	Hazardous to the aquatic environment, chronic, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage, Category 1
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.