

Trade name: havon CHLOR TABS

Substance number: SUB302030492800

Version: 2 / WORLD

Date revised: 25.02.09

the date of issue: 15.05.07

Replaces Version: 1 / WORLD

Date of printing: 04.12.12

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

havon CHLOR TABS

S001200020

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

Manufacture

Firms	HAGLEITNER HYGIENE INTERNATIONAL GmbH
Address	Lunastrasse 5 5700 Zell am See - Austria
Telephone no.	+43 (0)5 0456
Fax no.	+43 (0)5 0456 7777
E-Mail	international@hagleitner.com
Website	www.hagleitner.com
	Monday - Friday 08:00 - 17:00

Contact person

Division	Regulatory Affairs
E-mail address of person responsible for this SDS	sicherheit@hagleitner.com
	Monday - Friday 08:00 - 17:00
Emergency telephone	Anti Poison Center Vienna: +43 (0)1 406 43430

Address

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	sicherheit@hagleitner.com
Information provided by / telephone	Regulatory Affairs
E-mail address of person responsible for this SDS	sicherheit@hagleitner.com

1.4. Emergency telephone number

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

2. Hazards identification

2.2. Label elements

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

For industrial application only.

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

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Hazard symbols

Dangerous for the environment



Harmful

R phrases

22	Harmful if swallowed.
31	Contact with acids liberates toxic gas.
36/37	Irritating to eyes and respiratory system.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

8	Keep container dry.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
41	In case of fire and/or explosion do not breathe fumes.
60	This material and its container must be disposed of as hazardous waste.
61	Avoid release to the environment. Refer to special instructions/Safety data sheets.

Hazardous component(s) to be indicated on label

contains	Troclosene sodium, dihydrate
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2.3. Other hazards

No special hazards have to be mentioned.

3. Composition/information on ingredients**Hazardous ingredients****Troclosene sodium, dihydrate**

CAS No.	51580-86-0
EINECS no.	220-767-7
Registration no.	PRE
Concentration	>= 25 < 50 %
Classification	Xn, R22 Xi, R36/37 N, R50/53 R31

Adipic acid

CAS No.	124-04-9
EINECS no.	204-673-3
Registration no.	PRE
Concentration	>= 10 < 25 %
Classification	Xi, R36

4. First aid measures**4.1. Description of first aid measures****General information**

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Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air. No special measures necessary.

After skin contact

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

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. In case of irritation consult an oculist.

After ingestion

Rinse mouth thoroughly with water. When swallowed seek medical aid immediately and show the physician the packaging or the label of the packaging.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

Non Suitable extinguishing media

Compatible with all usual extinguishing media.

5.2. Special hazards arising from the substance or mixture

Chlorine (Cl₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

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

Pick up mechanically. Rinse away rest with plenty of water.

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.

Advice on protection against fire and explosion

The product is not combustible.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value	10	30	°C
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Storage stability

Storage life: 3 years

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Requirements for storage rooms and vessels

Keep only in the original container.

VCI storage category

VCI storage category 13 Non- combustible solids

Further information on storage conditions

Keep container tightly closed.

7.3. Specific end use(s)

For industrial application only.

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 when handling chemicals.

Respiratory protection

Use breathing apparatus in dust-laden atmosphere.

Hand protection

In case of intensive contact wear protective gloves.

Eye protection

Safety glasses

Body protection

Clothing as usual in the chemical industry.

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

Form	Tablets		
Colour	white		
Odour	slightly pungent		
pH			
Value	appr.	5,5	
Concentration/H ₂ O		5	g/l
Temperature		20	°C
Remarks	acidic		
Freezing point			
Remarks	Not applicable		
Boiling point			
Remarks	Not applicable		
Flash point			
Value	>	200	°C
Remarks	Not applicable		
Vapour pressure			
Remarks	Not applicable		
Density			
Remarks	not determined		
Solubility in water			

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Remarks soluble

Octanol/water partition coefficient (log Pow)

Remarks not determined

Thermal decomposition

Remarks No decomposition if used as prescribed.

Oxidising properties

valuation None known

10. Stability and reactivity**10.4. Conditions to avoid**

Do not keep at temperatures above 30 °C.

Thermal decomposition

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

Chlorine

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

LD50	appr. 2000	mg/kg
Source	Estimated value	

Skin corrosion/irritation

valuation slight irritant effect - does not require labelling

Serious eye damage/irritation

valuation irritant

Sensitization

valuation non-sensitizing

12. Ecological information**12.1. Toxicity****Fish toxicity**

Reference substance	Sodiumhydrogencarbonate	
CAS No.	144-55-8	
Species	Bluegill (Lepomis macrochirus)	
LC50	8600	mg/l
Duration of exposure	96 h	
Source	IUCLID	

Reference substance	Pentasodium triphosphate	
CAS No.	7758-29-4	
Species	golden orfe (Leuciscus idus)	
LC0	1600	mg/l
Duration of exposure	48 h	
Source	IUCLID	

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Daphnia toxicity

Reference substance	Sodiumhydrogencarbonate	
CAS No.	144-55-8	
Species	Daphnia magna	
EC50	2350	mg/l
Duration of exposure	48 h	
Source	IUCLID	

Reference substance	Pentasodium triphosphate	
CAS No.	7758-29-4	
Species	Daphnia magna	
EC50	1154	mg/l
Duration of exposure	25 h	
Source	IUCLID	

Reference substance	Troclosene sodium, dihydrate	
CAS No.	51580-86-0	
Species	Daphnia magna	
EC50	2 to 3	mg/l
Duration of exposure	48 h	
Method	OECD TG 202	

Reference substance	Adipic acid	
CAS No.	124-04-9	
Species	Daphnia magna	
EC50	85,7	mg/l
Duration of exposure	24 h	
Source	IUCLID	

Algae toxicity

Reference substance	Adipic acid	
CAS No.	124-04-9	
Species	Scenedesmus subspicatus	
EC50	31,3	mg/l
Duration of exposure	72 h	
Source	IUCLID	

Bacteria toxicity

Reference substance	Pentasodium triphosphate	
CAS No.	7758-29-4	
Species	activated sludge	
EC20	720	mg/l
Duration of exposure	3 h	
Source	IUCLID	

Reference substance	Adipic acid	
CAS No.	124-04-9	
Species	Pseudomonas putida	
EC10	65	mg/l
Duration of exposure	17 h	
Source	IUCLID	

12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow)**

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Remarks

not determined

12.6. Other adverse effects

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. After an indented use this product can reach the watercourses.

13. Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWG waste code 20 01 30 detergents other than those mentioned in 20 01 29

The listed waste code numbers, according to the European Waste Catalogue (EWG), 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.

14. Transport information

Land transport ADR/RID

Non-dangerous goods

Marine transport IMDG/GGVSee

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

Air transport ICAO/IATA

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

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

VOC

VOC (CH)	0,0	%
VOC (EU)	0,0	%

16. Other information

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

R-phrases listed in Chapter 3

22	Harmful if swallowed.
31	Contact with acids liberates toxic gas.
36	Irritating to eyes.
36/37	Irritating to eyes and respiratory system.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Supplemental information

This information is based on our present state of knowledge. However, it should not constitute a

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guarantee for any specific product properties and shall not establish a legally valid relationship.

