

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

Date issued 01.03.2025

### 1.1. Product identifier

Product name Chef's Combi Cleaner Tab

Code ACICTABL

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

Product group Acidic dishwasher rinse.

Uses advised against No specific uses advised against are identified.

Identified uses	Industrial	Professional	Consumer
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Degreaser detergent		PROC: 11, 28. PC: 35. LCS: PW.	
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### 1.3. Details of the supplier of the safety data sheet

#### Distributor

Company name Hobart Food Equipment

Postal address Unit 1 / 2 Picken Street

Postcode NSW 2128

City Silverwater

Country Australia

Telephone number 02 9714 0200

Website <http://www.hobartfood.com.au>

### 1.4. Emergency telephone number

Emergency telephone Description: National Poison Information Centre: 13 11 26

### 2.1. Classification of substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS] Skin corrosion, category 1A; H314 - Causes severe skin burns and eye damage. Serious eye damage, category 1; H318 - Causes serious eye damage. Specific target organ toxicity - single exposure, category 3; H335 - May cause respiratory irritation. Skin sensitisation, category 1; H317 - May cause an allergic skin reaction.

CLP classification, comments Classified as Hazardous according to the Globally System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations Australia. Classified as Dangerous Goods according to Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Substance / mixture hazardous properties For further information, please refer to section 11.

Additional information on classification The information stated in this MSDS, applies for the concentrated product. See Sec. 16, for information regarding recommended user solutions

**2.2. Label elements**

**Hazard pictograms (CLP)**



Signal word	Danger
Hazard statements	H314 - Causes severe skin burns and eye damage. H335 - May cause respiratory irritation. H317 - May cause an allergic skin reaction.
Precautionary statements	P260 Do not breathe dust / fume / gas / mist / vapours / spray. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P280 Wear protective gloves / protective clothing / eye protection / face protection. P310 Immediately call a POISON CENTER / doctor. P264 Wash the skin thoroughly after use.

**2.3. Other hazards**

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0.1%.  
The product does not contain substances with endocrine disrupting properties in concentration  $\geq$  0.1%.

**SECTION 3: Composition / information on ingredients**

**3.2. Mixtures**

Substance	Identification	Classification	Contents
Sodium hydroxide	INDEX No. 011-002-00-6 EC No. 215-185-5 CAS No. 1310-73-2 REACH Reg. 01-2119457892-27-XXXX	Met. Corr. 1 H290, Skin Corr. 1A H314, Eye Dam. 1 H318 Skin Corr. 1B H314: $\geq$ 2% - < 5%, Skin Irrit. 2 H315: $\geq$ 0.5% - < 2%, Eye Irrit. 2 H319: $\geq$ 0.5% - < 2%	17 $\leq$ x < 25
Disodium metasilicate	INDEX No. 014-010-00-8 EC No. 229-912-9 CAS No. 6834-92-0 REACH Reg. 01-211944811-37-XXXX	Met. Corr. 1 H290, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335	9 $\leq$ x < 17
Potassium carbonate	INDEX No. 209-529-3 EC No. 209-529-3 CAS No. 584-08-7 REACH Reg. 01-2119532646-36-XXXX	Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335	10 $\leq$ x < 18
1,2-benzisothiazol-3(2H)-one	INDEX No. 613-088-00-6 EC No. 220-120-9 CAS No. 2634-33-5 REACH Reg. 01-2120761540-60-XXXX	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411 Skin Sens. 1 H317: $\geq$ 0.05% LD50 Oral: < 670 mg/kg	0.08 $\leq$ x < 0.13

The full wording of hazard (H) phrases is given in section 16 of the sheet.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	In case of doubt or in the presence of symptoms contact a doctor and show them this document. In case of more severe symptoms, ask for immediate medical aid.
Eye contact	Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.
Skin contact	Take off immediately all contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice/attention. Avoid further contact with contaminated clothing.
Ingestion	Do not induce vomiting unless explicitly authorised by a doctor. Rinse your mouth with running water. Do not give anything by mouth to an unconscious person. Get medical advice/attention.
Inhalation	Remove victim to fresh air, away from the accident scene. In the event of respiratory symptoms (coughing, wheezing, breathing difficulty, asthma) keep the victim in a comfortable position for breathing. If necessary administer oxygen. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.
Recommended personal protective equipment for first aid responders	It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

### 4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms and effects	Specific information on symptoms and effects caused by the product are unknown.
Delayed symptoms and effects	Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

### 4.3. Indication of any immediate medical attention and special treatment needed

Immediately call a POISON CENTER / doctor

Means to have available in the workplace for specific and immediate treatment: Running water for skin and eye wash

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Carbon dioxide, foam, powder or water spray.
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### 5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Do not breathe combustion products
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### 5.3. Advice for firefighters

Personal protective equipment	Normal fire fighting clothing i.e. fire kit, gloves and boots in combination with self-contained open circuit positive pressure compressed air breathing apparatus.
Fire fighting procedures	Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures

Wear suitable protective equipment (for personal protection, see section 8) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

If there are no contraindications, spray powder with water to prevent the formation of dust.

### 6.2. Environmental precautions

Environmental precautionary measures

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up

Containment method

Collect the leaked product and place it in containers for recovery or disposal. If there are no contraindications, use jets of water to eliminate product residues.

Cleaning method

Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections

Other instructions

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling

Ensure that there is an adequate earthing system for the equipment and personnel. In order to avoid the risk of fires and explosions, never use compressed air when handling. Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Avoid leakage of the product into the environment. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage

Store only in the original container. Keep the product in clearly labelled containers. Keep the containers well sealed. Store in a ventilated and dry place, far away from sources of ignition.

Conditions to avoid

Avoid violent blows. Avoid overheating. Avoid contact with water.

### 7.3. Specific end use(s)

Specific use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

#### Sodium hydroxide

##### Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP	2				
VLEP	FRA	2				
NDS/NDSch	POL	0,5		1		
TLV	ROU	1		3		
OEL	EU			2 (C)		

##### Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers				
	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Inhalation			1 mg/m3 4h				1 mg/m3 4h	

#### Disodium metasilicate

##### Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
OEL	EU	3				INHAL
OEL	EU	10				RESP

##### Predicted no-effect concentration - PNEC

Normal value in fresh water	7,5	mg/l
Normal value in marine water	1	mg/l
Normal value for water, intermittent release	1000	mg/l
Normal value of STP microorganisms	7,5	mg/l

Oral	0,74 mg/kg/d	
Inhalation	1,55 mg/m3 4h	6,22 mg/m3 4h
Skin	0,74 mg/kg/d	1,49 mg/kg/d

#### Potassium carbonate

##### Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers				
	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Inhalation			10 mg/m3 4h				10 mg/m3 4h	
Skin			8 mg/cm2				16 mg/cm2	

Legend:

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.  
 VND = hazard identified but no DNEL/PNEC available; NEA = no exposure expected; NPI = no hazard identified; LOW = low hazard; MED = medium hazard; HIGH = high hazard.

## 8.2. Exposure controls

### Precautionary measures to prevent exposure

Appropriate engineering controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

When choosing risk management measures and operating conditions, consult the exposure scenarios attached. Provide an emergency shower with face and eye wash station.

### Eye / face protection

Suitable eye protection

Wear a hood visor or protective visor combined with airtight goggles to relevant regulations.

Eye protection, comments

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

### Hand protection

Skin- / hand protection, long term contact

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves. Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

### Skin protection

Additional skin protection measures

Wear category III professional long-sleeved overalls and safety footwear. Wash body with soap and water after removing protective clothing.

### Respiratory protection

Respiratory protection necessary at

None required, unless indicated otherwise in the chemical risk assessment.

### Appropriate environmental exposure control

Environmental exposure controls

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

For information on controlling environmental exposure, see the exposure scenarios attached to this safety datasheet.



### 10.3. Possibility of hazardous reactions

See paragraph 10.1.

### 10.4. Conditions to avoid

As the product decomposes even at ambient temperature, it must be stored and used at a controlled temperature.  
Avoid violent blows.

### 10.5. Incompatible materials

No data recorded.

### 10.6. Hazardous decomposition products

No data recorded.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Substance

**1,2-benzisothiazol-3(2H)-one**

**Effect tested:** LD50

**Route of exposure:** Dermal

**Value:** > 2000 mg/kg

**Animal test species:** Rat

**Effect tested:** LD50

**Route of exposure:** Oral

**Value:** < 670 mg/kg

Substance

**Disodium metasilicate**

**Effect tested:** LD50

**Route of exposure:** Dermal

**Value:** > 5000 mg/kg

**Animal test species:** Rat

**Effect tested:** LC50

**Route of exposure:** Inhalation vapours

**Value:** > 2060 mg/l/4h

**Animal test species:** Rat

All acute toxicity symptoms are due to high alkalinity

Substance

**Potassium carbonate**

**Effect tested:** LD50

**Route of exposure:** Dermal

**Value:** 2000 mg/kg

**Animal test species:** Rabbit

**Effect tested:** LD50

**Route of exposure:** Oral

**Value:** 2000 mg/kg

**Animal test species:** Rabbit

Substance

**Sodium hydroxide**

According to the CLP regulation, annex VI, table 3.1, the concentration limit for corrosivity of NaOH is considered equal to 2%. Until the most recent ATP, this has not been changed. Therefore, 2% is brought to the characterisation of the risk as a concentration limit for corrosivity.



## Other information regarding health hazards

Assessment of acute toxicity, classification	Not classified (no significant component)
Skin corrosion / irritation	Corrosive for the skin - classification according to the experimental Ph value <b>1,2-benzisothiazol-3(2H)-one</b> Causes skin irritation  <b>Potassium carbonate</b> Causes skin irritation
Serious eye damage / irritation	<b>1,2-benzisothiazol-3(2H)-one</b> Causes serious eye irritation  <b>Potassium carbonate</b> Causes serious eye irritation
Respiratory or skin sensitisation	<b>1,2-benzisothiazol-3(2H)-one</b> Skin sensitiser
Germ cell mutagenicity	Does not meet the classification criteria for this hazard class
Carcinogenicity	Does not meet the classification criteria for this hazard class
Reproductive toxicity	Does not meet the classification criteria for this hazard class
STOT - single exposure	May cause respiratory irritation
STOT - repeated exposure	Does not meet the classification criteria for this hazard class
Aspiration hazard	Does not meet the classification criteria for this hazard class

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	<b>1,2-benzisothiazol-3(2H)-one</b> LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants Chronic NOEC for Crustacea	2.18 mg/l/96h <i>Lepomis macrochirus</i> 2.94 mg/l/48h <i>Daphnia magna</i> 0.11 mg/l/72h 1,7 mg/l <i>Daphnia magna</i>
Substance	<b>Sodium hydroxide</b> LC50 - for Fish EC50 - for Crustacea Chronic NOEC for Fish	125 mg/l/96h <i>Gambusia affinis</i> 40.4 mg/l/48h <i>Ceriodaphnia dubia</i> 56 mg/l <i>Poecilia reticulata</i>
Substance	<b>Disodium metasilicate</b> LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants	1108 mg/l/96h <i>Brachydanio rerio</i> 1700 mg/l/48h <i>Daphnia magna</i> 207 mg/l/72h <i>Scenedesmus subspicatus</i>

Substance	<b>Potassium carbonate</b> LC50 - for Fish EC50 - for Crustacea	68 mg/l/96h Oncorhynchus mykiss 200 mg/l/48h Daphnia pulex
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## 12.2. Persistence and degradability

Substance	<b>Sodium hydroxide</b> According to REACH, the study does not need to be conducted if the substance is inorganic (Annex VII, adaptation column 2).
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Substance	<b>Disodium metasilicate</b> As inorganic substances and in consideration of their chemical structure, soluble silicates are not susceptible to biodegradation.
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Biodegradability	Information not available
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Substance	<b>Potassium carbonate</b> According to REACH, the study does not need to be conducted if the substance is inorganic (Annex VII, adaptation column 2).
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Biodegradability	Information not available
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Substance Biodegradability	<b>1,2-benzisothiazol-3(2H)-one</b> Rapidly degradable
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## 12.3. Bioaccumulative potential

<b>Sodium hydroxide</b> According to the REACH regulation, the study does not need to be conducted if the substance has a low bioaccumulation potential (Annex IX, adaptation column 2).
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## 12.4. Mobility in soil

<b>Sodium hydroxide</b> According to REACH, an adsorption / desorption study is not required if, based on the physico-chemical properties, the substance can be expected to have a low adsorption potential (Annex VIII, column 2 adaptation).
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## 12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

## 12.6. Other adverse effects

Information not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Specify the appropriate methods of disposal

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.  
 Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Waste transportation may be subject to ADR restrictions.  
 The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE.

Contaminated packaging

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## SECTION 14: Transport information

### 14.1. UN number

ADR / RID, IMDG, IATA: UN 3262

### 14.2. UN proper shipping name

ADR / RID: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide; Disodium metasilicate)  
 IMDG: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide; Disodium metasilicate)  
 IATA: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide; Disodium metasilicate)

### 14.3. Transport hazard class(es)

ADR / RID:	Class: 8	Label: 8
IMDG:	Class: 8	Label: 8
IATA:	Class: 8	Label: 8



### 14.4. Packing group

ADR / RID, IMDG, IATA: II  
 HAZCHEM code: 2X

### 14.5. Environmental hazards

ADR / RID: NO  
 IMDG: not marine pollutant  
 IATA: NO

### 14.6. Special precautions for user

ADR / RID	HIN - Kempler: 80 Special provision: 274	Limited Quantities: 1 kg	Tunnel restriction code: (E)
IMDG	EMS: F-A, S-B Cargo:	Limited Quantities: 1 kg Maximum quantity: 50 kg	
IATA	Passengers: Special provision:	Maximum quantity: 15 kg A3, A803	Packaging instructions: 863 Packaging instructions: 859

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

### Additional information

Not relevant.

## SECTION 15: Regulatory information

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

Other label information	Regulatory information Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). Poisons Schedule S6
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### 15.2. Chemical safety assessment

Chemical safety assessment performed	No
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## SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3):

Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1A	Skin corrosion, category 1A
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity- single exposure, category 3
Skin Sens. 1	Skin sensitization, category 1
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H319	Causes serious eye irritation
H315	Causes skin irritation
H335	May cause respiratory irritation
H317	May cause an allergic skin reaction
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

Use descriptor system:

<b>LCS PW</b>	Widespread use by professional workers
<b>PC 35</b>	Washing and cleaning products
<b>PROC 11</b>	Non industrial spraying
<b>PROC 28</b>	Manual maintenance (cleaning and repair)of machinery

## Legend:

ADR: European Agreement concerning the carriage of Dangerous goods by Road  
 ATE: Acute Toxicity Estimate  
 CAS: Chemical Abstract Service Number  
 CE50: Effective concentration (required to induce a 50% effect)  
 CE: Identifier in ESIS (European archive of existing substances)  
 CLP: Regulation (EC) 1272/2008  
 DNEL: Derived No Effect Level  
 EmS: Emergency Schedule  
 GHS: Globally Harmonized System of classification and labeling of chemicals  
 IATA DGR: International Air Transport Association Dangerous Goods Regulation  
 IC50: Immobilization Concentration 50%  
 IMDG: International Maritime Code for dangerous goods  
 IMO: International Maritime Organization  
 INDEX: Identifier in Annex VI of CLP  
 LC50: Lethal Concentration 50%  
 LD50: Lethal dose 50%  
 OEL: Occupational Exposure Level  
 PBT: Persistent, bioaccumulative and toxic  
 PEC: Predicted environmental Concentration  
 PEL: Predicted exposure level  
 PMT: Persistent, mobile and toxic  
 PNEC: Predicted no effect concentration  
 REACH: Regulation (EC) 1907/2006  
 RID: Regulation concerning the international transport of dangerous goods by train  
 TLV: Threshold Limit Value  
 TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure  
 TWA: Time-weighted average exposure limit  
 TWA STEL: Short-term exposure limit  
 VOC: Volatile organic Compounds  
 vPvB: Very persistent and very bioaccumulative  
 vPvM: Very persistent and very mobile  
 WGK: Water hazard classes (German)

Information added, deleted or revised      Globally Harmonised System of classification and labelling of chemicals. Nytt HMS-datablad

User notes      The company has taken care in compiling this information. The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The company is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Version      1.1

Comments      END OF SDS