

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name: Waterstof Supplement

CAS number: CBW-555

EINECS number: CBW-555

Synonyms: CAUSTIC POTASH

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

Use of substance / mixture: Industrial Raw Material.

1.3. Details of the supplier of the safety data sheet

Company name:

Cobra Clean B.V.

Tweelingenlaan 4

7323 AM

Apeldoorn

Tel: +316 20951195

Mail: info@cobraclean.nl

1.4. Emergency telephone number

Emergency tel: +31 6 20951195

Section 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification under CLP: Skin Corr. 1A: H314; Acute Tox. 4: H302

Classification under CHIP: Xn: R22; C: R35

Most important adverse effects: Harmful if swallowed. Causes severe skin burns and eye damage.

2.2. Label elements

Label elements under CLP:

Hazard statements: H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion

GHS07: Exclamation mark



Precautionary statements: P260: Do not breathe dust.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing.

Rinse skin with water.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501: Dispose of contents/container to an approved waste contractor.

2.3. Other hazards

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: POTASSIUM HYDROXIDE

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor. Launder clothing thoroughly before re-use

Eye contact: Remove any contact lenses and open eyes wide apart. Rinse immediately with plenty of water. Seek immediate medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting. Wash out mouth with water. Drink water to dilute the chemical. Seek immediate medical attention.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Consult a doctor.

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

Skin contact: Severe burns may occur.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Severe burns to digestive tract. May be harmful if ingested and swallowed.

Inhalation: There may be irritation to the respiratory system. May be harmful by dust inhalation.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Immediate medical attention is required. Speed is of the essence when dealing with highly corrosive chemicals.

Section 5: Fire-fighting measures**5.1. Extinguishing media**

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Corrosive. Reacts with water generating heat.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Provide adequate ventilation. Avoid contact with eyes and skin. Avoid breathing dust.

6.2. Environmental precautions

Environmental precautions: Contain the spillage using bunding. Do not discharge into drains or rivers. Spillages or uncontrolled discharges into watercourses must be immediately alerted to the appropriate environmental agency

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Sweep/ vacuum up carefully and place in a suitable disposal container. Avoid creating dust. Wash the spillage site with large amounts of water.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage**7.1. Precautions for safe handling**

Handling requirements: Ensure there is sufficient ventilation of the area. Prevent contact with water. Avoid the formation or spread of dust in the air. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Avoid contact with water or humidity.

Suitable packaging: It is recommended that this product is only kept in its original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection**8.1. Control parameters**

Workplace exposure limits: Not applicable.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure eyewash stations and safety showers are provided in the storage and working areas.

Respiratory protection: Gas/vapour filter, type B: inorganic vapours excl. CO (EN141).

Hand protection: Gloves (alkali-resistant).

Eye protection: Tightly fitting safety goggles. Safety glasses with side-shields.

Skin protection: Alkali resistant protective clothing.

Environmental: Prevent from entering in public sewers or the immediate environment.

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

State: Solid

Colour: White

Odour: Odourless

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Highly soluble

Boiling point/range°C: 1,320

Melting point/range°C: 380

pH: >12

9.2. Other information

Other information: Exothermic reaction with water.

Section 10: Stability and reactivity**10.1. Reactivity**

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Will react violently with acids. Reacts with many metals.

10.4. Conditions to avoid

Conditions to avoid: Heat. Moist air. Humidity.

10.5. Incompatible materials

Materials to avoid: Water. Acids. Wood. Hydrocarbons. Nitro compounds. Aluminium, Lead, Tin and their alloys react to form the flammable gas hydrogen.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits corrosive and irritating fumes. Can form Hydrogen if brought in contact with the above metals.

Section 11: Toxicological information

11.1. Information on toxicological effects

Relevant hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Based on test data
Skin corrosion/irritation	DRM	Based on test data

Symptoms / routes of exposure

Skin contact: Severe burns may occur.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Severe burns to digestive tract. May be harmful if ingested and swallowed.

Inhalation: There may be irritation to the respiratory system. May be harmful by dust inhalation.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Other information: Contact with eyes/ skin must be treated immediately. This product is very destructive to human tissue.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Not applicable.

12.2. Persistence and degradability

Persistence and degradability: Not Applicable - inorganic compound.

12.3. Bioaccumulative potential

Bioaccumulative potential: Not Applicable - inorganic compound.

12.4. Mobility in soil

Mobility: Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: The high pH will have an adverse effect on the aquatic environment. Harmful to flora.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: Regeneration of acids or bases.

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information**14.1. UN number**

UN number: UN1813

14.2. UN proper shipping name

Shipping name: POTASSIUM HYDROXIDE, SOLID

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: E

Transport category: 2

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has been carried out for the substance or the mixture by the supplier.

Section 16: Other information**Other information**

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3: H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

R22: Harmful if swallowed.

R35: Causes severe burns.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

