SAFETY DATA SHEET

Block Stop

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	30.08.2010
Revision date	04.06.2021

1.1. Product identifier

Product name	Block Stop
Article no.	25207

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

Product group	PROFESSIONAL CLEANING SYSTEM
Use of the substance / mixture	Drain Cleaner
Industrial use	Yes
Professional use	Yes
Consumer use	No

1.3. Details of the supplier of the safety data sheet

Supplier

Company name	VEIDEC AB
Office address	Videvägen 9
Postal address	Videvägen 9
Postcode	247 64
City	Veberöd
Country	Sweden
Telephone number	+46 46 238900
Fax	+46 46 23 89 09
Email	nina.mandahl@veidec.se
Website	www.veidec.com
Contact person	Nina Mandahl

1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: Poison center

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Met. Corr. 1; H290 Skin Corr. 1A; H314 Acute Tox. 4; H302

2.2. Label elements

Hazard pictograms (CLP)

Composition on the label	Caustic potash
Signal word	Danger
Hazard statements	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H302 Harmful if swallowed.
Precautionary statements	P260 Do not breathe vapours. P303+P361+P353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician. P390 Absorb spillage to prevent material damage.

2.3. Other hazards

Other hazards	No other information noted.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Caustic potash	CAS No.: 1310-58-3 EC No.: 215-181-3 Index No.: 019-002-00-8 REACH Reg. No.: 01-2119487136-33	Acute tox. 4; H302; Skin Corr. 1A; H314;	40 - 60 %	

Remarks, substance	The full text for all hazard statements is displayed in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Contact physician if discomfort continues.
Inhalation	Fresh air.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring these instructions.
Ingestion	DO NOT INDUCE VOMITING! Immediately rinse mouth and drink plenty of water. Call an ambulance. Bring along these instructions.

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

Acute symptoms and effects	Causes severe burns.

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

Medical treatment	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	May develop highly toxic or corrosive fumes if heated.

5.3. Advice for firefighters

Fire fighting procedures	Follow the general fire precautions indicated by the workplace.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Avoid inhalation of vapours and contact with skin and eyes.

6.2. Environmental precautions

Environmental precautionary measures	Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Containment	Containers with collected spillage must be properly labelled with correct contents and hazard symbol/Hazard pictograms.
Clean up	Flush away spillage with plenty of water.

6.4. Reference to other sections

Additional information	For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Provide good ventilation.

Protective safety measures

Advice on general occupational hygiene	Wash at the end of each work shift and before eating, smoking and using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Store protected from acids. Provide good ventilation. Keep in original container. Store above freezing.

Conditions for safe storage

Technical measures and storage conditions	No special precautions.

7.3. Specific end use(s)

Specific use(s)	No recommendation given.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Caustic potash	CAS No.: 1310-58-3	**Limit value (short term)** Value: 2 mg/m³	

DNEL / PNEC

DNEL	Group: Professional Route of exposure: Long-term inhalation (local) Value: 1 mg/m³ Comments: Caustic potash

8.2. Exposure controls

Safety signs

Precautionary measures to prevent exposure

Appropriate engineering controls	No special precautions.

Eye / face protection

Suitable eye protection	Wear approved, tight fitting safety glasses where splashing is probable.

Hand protection

Suitable gloves type	Protective gloves should be used if there is a risk of direct contact or splash.
Suitable materials	Nitrile.
Breakthrough time	Value: 480'
Thickness of glove material	Value: 0,4 mm

Skin protection

Suitable protective clothing	Not relevant.

Respiratory protection

Recommended type of equipment	Under normal conditions of use respiration protection should not be required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Red.
Odour	Characteristic.
pH	Status: In delivery state Value: 14
Melting point / melting range	Value: -6 °C
Boiling point / boiling range	Value: 94 °C
Flash point	Reason for waiving data: No data.
Flammability	This product is not flammable.
Explosion limit	Reason for waiving data: Not applicable
Vapour pressure	Reason for waiving data: No data.
Density	Value: 1,45 g/cm³
Solubility	Comments: Soluble in water.
Auto-ignition temperature	Reason for waiving data: Not applicable
Viscosity	Reason for waiving data: No data.

9.2. Other information

Physical hazards

Content of VOC	Value: 0 %
Solvent content	Value: 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No specific conditions are likely to result in a hazardous situation.

10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No data recorded.

10.4. Conditions to avoid

Conditions to avoid	No recommendation given.

10.5. Incompatible materials

Materials to avoid	Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products	When heated, toxic and corrosive vapours/gases may be formed.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	Effect tested: LD50 Route of exposure: Oral Value: 333 mg/kg Species: Rat Comments: Caustic potash

Other information regarding health hazards

Acute toxicity, mixture estimate	Dose: ATEmix calculated Route of exposure: Oral Value: 1000 mg/kg
Assessment of acute toxicity, classification	H302 Harmful if swallowed.
Assessment of skin corrosion / irritation, classification	This chemical may cause skin/eye irritation and burns (corrosive).
Assessment of eye damage or irritation, classification	Corrosive. Immediate first aid is necessary.
Assessment of respiratory sensitisation, classification	Based on available data, the classification criteria are not met.

Assessment of skin sensitisation, classification	Based on available data, the classification criteria are not met.
Ingestion	May cause burns in mucous membranes, throat, oesophagus and stomach.
Assessment of germ cell mutagenicity, classification	Based on available data, the classification criteria are not met.
Assessment of carcinogenicity, classification	Based on available data, the classification criteria are not met.
Assessment of reproductive toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ toxicity - single exposure, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ toxicity - repeated exposure, classification	Based on available data, the classification criteria are not met.
Assessment of aspiration hazard, classification	Based on available data, the classification criteria are not met.

11.2 Other information

Endocrine disruption	None known.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	The product is not expected to be hazardous to waste water treatment processes.

12.2. Persistence and degradability

Persistence and degradability description/evaluation	There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulation, comments	Bioaccumulation: Is not expected to be bioaccumulable.

12.4. Mobility in soil

Mobility	Not determined.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product contains substances classified as vPvB.

12.6. Endocrine disrupting properties

Endocrine disrupting properties	None known.

12.7. Other adverse effects

Additional ecological information	No information.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

EWC waste code	EWC waste code: 070601 aqueous washing liquids and mother liquors Classified as hazardous waste: Yes
EWL packing	EWC waste code: 150102 plasticpackaging Classified as hazardous waste: No
Other information	150102: The packaging must be empty (drop-free, when inverted).

SECTION 14: Transport information

14.1. UN number

ADR/RID/ADN	1814
IMDG	1814
ICAO/IATA	1814

14.2. UN proper shipping name

Proper shipping name English ADR/RID/ADN	POTASSIUM HYDROXIDE SOLUTION
ADR/RID/ADN	POTASSIUM HYDROXIDE SOLUTION
IMDG	POTASSIUM HYDROXIDE SOLUTION
ICAO/IATA	POTASSIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

ADR/RID/ADN	8
Classificaton code ADR/RID/ADN	C5

14.4. Packing group

ADR/RID/ADN	II
IMDG	II
ICAO/IATA	II

14.5. Environmental hazards

Comments	Not relevant.

14.6. Special precautions for user

Special safety precautions for user	Not relevant.

14.7. Maritime transport in bulk according to IMO instruments

Product name	POTASSIUM HYDROXIDE SOLUTION

Additional information

Hazard label ADR/RID/ADN	8
Hazard label IMDG	8
Hazard label ICAO/IATA	8

ADR/RID Other information

Tunnel restriction code	E
Transport category	2
Hazard No.	80

IMDG Other information

EmS	F-A, S-B

SECTION 15: Regulatory information

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

Legislation and regulations	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 94/33/ECC Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

15.2. Chemical safety assessment

Chemical safety assessment	Not relevant.
Exposure scenario comments	Not relevant.

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage.
CLP classification, comments	H290 H302 H314 Calculation method.
Additional information	Block Stop is registered at NSF.

	Category code: L1 NSF registration no. 143518 For further information please turn to "www.nsf.org". L1: This product is approved for use in drains and pipes in and around food processing areas.
Revision justification	Change in composition of the mixture (addition, deletion, substitution of component).
Information added, deleted or revised	Change to Sections: P2, P3, P8, P9, P11
Version	5
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