

Trade Name: Deep Kleen

2. Hazard Identification

2.3 Other Hazards PBT: This product is not identified as a PBT/vPvB substance.

3. Composition/information on ingredients

3.2 Mixture

EINECS	CAS	PBT/WEL	CLP Classification	Percent
HYDROCHLORIC ACID - REACH registered number(s): 01-2119458860-33-XXXX				
231-595-7	-	-	Skin Corr. 1B: H314; STOT SE 3: H335	10 - 30%

Contains: Mixture of listed substances with non hazardous additions.

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.

Eye contact: Check for and remove any contact lenses. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 - 20 minutes while holding the eyelid(s) open. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may

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

4.3 Indication of immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises

5. Fire fighting measures

5.1 Extinguishing media:

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers

5.2 Special hazards arising from the substance or mixture

Exposure Hazards In combustion emits toxic fumes.

5.3 Advice for fire-fighters

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

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. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 Methods and materials for containment and cleaning up

Clean-up procedures Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for

6.4 Reference to other sections For personal protection see section 8

7. Handling and storage

7.1 Precautions for safe handling

Handling Requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2 Conditions for safe storage, including any incompatibilities.

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.
 Suitable Packaging: Store in correctly labelled containers

7.3 Specific end uses No information is available.

8. Exposure control/personal protection

8.1 Control parameters

Workplace exposure limits: No data available.

DNEL / PNEC values: No data available.

8.2 Exposure controls

HYDROCHLORIC ACID...100%

Workplace exposure limits: Respirable dust

State	Respirable dust	
	8 hour TWA	15 min. STEL
UK	8 mg/m ³	8 mg/m ³

Engineering measures Ensure there is sufficient ventilation of the area.

Personal protective equipment

Respiratory protection Self contained breathing apparatus must be available in case of emergency.

Hand protection Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

Eye protection Wear safety glasses approved to standard EN 166. Provide eye station

Skin protection Protective clothing

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form: Liquid
 Colour: Pale blue
 Odour: Characteristic odour

Boiling Point °C >35
 Flash Point °C >93
 Viscosity: Non-viscous
 Water solubility: Soluble

Relative density: 1.045 - 1.070

9.2 Other Information No data available.

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 Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Conditions to avoid Heat

10.5 Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

11. Toxicological Information

11.1 Information on toxicological effects

Hazardous ingredients:

HYDROCHLORIC ACID... 100%

DERMAL	RBT	LD50	>5010	mg/kg
ORAL	RBT	LD50	900	mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact
 Eye contact: There may be irritation and pain. The eyes may water profusely
 Ingestion: . There may be soreness and redness of the mouth and throat.
 Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may
 Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

12. Ecological Information**12.1 Toxicity**

HYDROCHLORIC ACID... 100%				
ALGAE	72H	ErC50	0.78	mg/l
BLUEGILL (Lepomis macrochirus)	96H	LC50	24.6	mg/l
Daphnia magna	48H	EC50	0.492	mg/l
Rainbow Trout	96H	LC50	7.45	mg/l

12.2 Persistence and degradability

Persistence and degradability Biodegradable

12.3 Bioaccumulative potential

Bioaccumulative potential No bioaccumulation potential.

12.4 Mobility in soil

Mobility Readily absorbed into soil.

12.5 PBT and PvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects

Other adverse effects: Negligible ecotoxicity

13. Disposal Considerations**13.1 Waste treatment methods****Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.**14. Transport Information****14.1 UN Number** UN1789**14.2 UN proper shipping name** HYDROCHLORIC ACID**14.3 Transport hazard class(es)** 8**14.4 Packing group** III**14.5 Environmental hazards**

Environmentally hazardous: No

Marine Pollutant: No

14.6 Special precautions for user

Special precautions: No special precautions

Tunnel code: E

Transport category: 3

15. Regulatory information

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

Not applicable

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for the mixture by the supplier

16. Other information

Full text of H-statements referred to under sections 2 and 3

H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation

Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

Legal Disclaimer:

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

█ Indicates updated section