

Material Safety Data Sheet

Section 1: Identification of the Substance/Mixture and the Company/Undertaking.

1.1- Product Identifier:

Trade name: Holxe 80 Cleaner and Degreaser.

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

Recommended uses: Cleaning, degreasing, and removing organic contaminants.

Use biocides safely. Always read the label and product information before use. This safety data sheet contains general information concerning the chemical, but specific instructions and guidelines are indicated on the product label and in the instructions for use.

1.3- Details of the supplier of the safety data sheet:

Supplier: PureSEEN Hawama Co. Ltd.

Prince Hussain Bin Abdullah Street, Aqaba International Industrial Estate, ASEZA, Aqaba - Jordan.

Tel: +962791211555.

Email: info@aquaseen.com.

1.4- Emergency telephone number: +962791211555.

Emergency telephone comments: The emergency telephone is open between 8 am. and 5 pm. on working days.

Section 2: Hazards Identification.

CLP-classification (Regulation (EC) No 1272/2008):

The product shall not be classified as hazardous according to EU classification and labelling rules.²

2.1- Main Hazards:

Holxe 80 Cleaner and Degreaser in its strongest form may cause slight irritation to the eyes, sensitive skin, and throat. Where the solution is stored in bottles one should not try to smell or inhale the evaporations.

2.2- Health Effects - Eyes:

Holxe 80 Cleaner and Degreaser in its strongest form may cause slight irritation to the eyes.

2.3- Health Effects - Skin:

Holxe 80 Cleaner and Degreaser in its strongest form may cause slight irritation to sensitive skin or open wounds.

2.4- Health Effects - Ingestion:

Holxe 80 Cleaner and Degreaser may cause slight irritation to the throat and digestive tract.

2.5- Health Effects - Inhalation:

During the generation of Holxe 80 Cleaner and Degreaser, particularly its strong form, unless there is adequate ventilation there may be a build-up of fumes which may cause dizziness and nausea.

Section 3: Composition/Information on Ingredients.

Main ingredients	CAS-No	EinCS-No	Wt./vol %	Symbols
Water	7732-18-5	231-791-2	99.92%	H ₂ O
Sodium Hydroxide	1310-73-2	215-185-5	0.08%	NaOH

Section 4: First Aid Measures.

Signs and Symptoms of Poisoning:	None detected – refer to water intoxication.
First-Aid Procedures:	Non-specific. Use good personal hygiene practices.
Skin Contact:	Remove contaminated clothing including shoes immediately and drench affected skin with plenty of water. Seek medical attention if irritation develops and persists. Wash contaminated clothing and shoes before reuse.
Eye Contact:	Immediately flush your eyes with copious quantities of water for several minutes. Seek medical advice if irritation persists.
Ingestion:	Do not induce vomiting; give plenty of water to drink. Seek medical assistance if ill effects occur.
Inhalation:	Remove the patient to fresh air. Seek medical assistance if ill effects occur.
Emergency Antidote:	None

Section 5: Fire - Fighting Measures.

There are no special requirements for Holxe 80 Cleaner and Degreaser. It is non-flammable.

Section 6: Accidental Release Measures.

Spillages:	Leaks and spills can be removed in accordance with methods employed for ordinary water. Wash to waste with plenty of water.
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Section 7: Handling and Storage.

7.1- Precautions for safe handling.

Running water and eye wash equipment should be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2- Storage:

The optimal efficacy of Holxe will be prolonged if Holxe 80 Cleaner and Degreaser is stored away from direct sunlight and in sealed, opaque, or tinted glass containers.

Shelf life: approximately 24 months. For that keep in tightly closed original packaging/bottle.

7.3-Other precautions:

None.

Section 8: Exposure Controls/Personal Protection.

Wear safety glasses when handling this material. Avoid prolonged contact with the skin. Use good personal hygiene practices.

Section 9: Physical & Chemical Properties.

9.1- Information on basic physical and chemical properties:

Physical State:	Liquid
Appearance:	Homogeneous clear, liquid
Color:	Colorless
Odor:	Mild saline odor
pH:	12.0±1.0
Oxidation Reduction Potential (ORP):	-750±150mV
Solubility:	Complete in water
Boiling Point	100°C

Section 10: Stability And Reactivity.

- 10.1- Stability:** The product is stable under normal ambient conditions of temperature and pressure.
Holxe 80 Cleaner and Degreaser retain its optimal Oxidation Reduction Potential (ORP) for a period of up to 12 hours, whereafter it progressively degrades to the ORP of source water.
- 10.2- Incompatibility (material to avoid):** As a dilute aqueous solution, Holxe 80 Cleaner and Degreaser is reactive with concentrated acid solutions as per standard chemical practices.
(The solution does not react with other materials)
- 10.3- Hazardous decomposition or by-products:** Holxe 80 Cleaner and Degreaser degrades to the quality of the pre-activation source water.
It may produce sodium oxides or sodium peroxide vapors.
Hydrogen gas is produced in small quantities (4ml/lit) during the electrochemical activation of Holxe 80 Cleaner and Degreaser.
None.
- 10.4- Hazardous polymerization:** No hazardous polymerization products have been detected.
- 10.5- Corrosion Potential:** (Non-Corrosive)

Section 11: Toxicological Information.

Acute toxicity:	Non-Toxic
Acute dermal irritation:	Negative
Acute eye irritation:	Slightly, but reversibly irritating
Dermal Sensitization – Guinea Pig:	Negative
Mutagenicity (Ames test):	Negative for In-vitro Salmonella typhimurium mutagenic studies
Carcinogenicity:	No conclusion on the carcinogenicity of chlorine can be made from the limited information available from human and animal studies.
Inhalation:	Not performed
Occupational exposure limits:	2mg/m ³ CGIH, OSHA), 1 0mg/m ³ – IDLH (NIOSH)
Health hazards:	May cause conjunctival irritation. Eye contact may result in permanent eye damage. May cause respiratory irritation. May cause digestive tract irritation.

Section 12: Stability And Reactivity.

- 12.1- Toxicity:** The product does not have to be classified.
Test data are not available.
- 12.2- Persistence and Degradability:** Expected to be biodegradable.
Test data are not available.
- 12.3- Bio-accumulative potential:** No bioaccumulation expected.
Test data are not available.
- 12.4- Mobility in soil:** Test data are not available.
- 12.5- Results of PBT and vPvB assessment:** The product does not contain any PBT or vPvB substances.
- 15.6- Other adverse effects:** None known.

Section 13: Disposal Considerations.

- 13.1- Waste treatment methods:**
No Special disposal required.

Section 14: Transport Information.

The product is not covered by the rules for the transport of dangerous goods.

14.1- UN number.

14.2- UN proper shipping name.

14.3- Transport hazard class(es).

14.4- Packing group.

14.5- Environmental hazards.

14.6- Special precautions for user.

14.7- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.

Section 15: Regulatory Information.

EPA / TSCA: All active ingredients in this product are listed on the EPA TSCA Inventory.

EPA Hazard Review: The product has been evaluated according to EPA hazard criteria and does not present unusual reactivity hazards.

OSHA Hazard Communication (29 CFR 1910.1200): This product is not classified as a hazardous chemical under OSHA HCS.

WHMIS (Canada): This product is not controlled under the WHMIS Controlled Products Regulations (CPR).

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

None.

15.2- Chemical safety assessment:

Not addressed in the Union level risk assessment of the active substance.

Section 16: Other Information.

16.1- Abbreviation Explanations:

PBT: Persistent, Bio accumulative, and Toxic.

vPvB: Very Persistent and Very Bio accumulative.

STOT: Specific Target Organ Toxicity.

16.2- Classification Method:

Calculation based on the hazards of the known components.

16.3- H-phrases:

No H-phrases.

16.4- Training:

A thorough knowledge of this safety data sheet should be a prerequisite condition.

Other information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on the preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

Safety data sheet was prepared by:

PureSEEN Hawama Co. Ltd.

Prince Hussain Bin Abdullah Street, Aqaba International Industrial Estate,
ASEZA, Aqaba - Jordan.

info@aquaseen.com.

www.aquaseen.com.

