

Date of issue : February 2024

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EB I Product Details and company information:

- **Brand Name:** **ORION PRO TOILET CLEANER**
- **Application of the product:** Acid based Cleaner for urinals & toilet bowl.
- **Company** : **HNW GLOBAL PRIVATE LIMITED**
 33 C, Mahila Udyami Park-II, Ecotech-III, Greater Noida, Uttar Pradesh-201308 (India)
- **Information department :** HNW GLOBAL PRIVATE LIMITED, 33 C, Mahila Udyami Park-II, Ecotech-III, Greater Noida, Uttar Pradesh-201308 (India)
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ET II Hazards identification

- **Hazard Pictogram :** **R 35** - Causes severe burns. **R36/38** - Irritating to eyes and skin.
- **Signal word warning :** **R 52/53** - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- **Hazard Statement :**
- **Definition:** The defined classification complies with current EC regulations on dangerous substances and preparations.
- **Category :** Dangerous as per the classification systems of EC guidelines.



- Causes severe burns, destroys living tissues.
- Wash immediately with plenty of water in case of contact with eyes or skin.
- Wear gloves and safety glasses, remove all contaminated clothing.

C, Corrosive

EH III Composition / information on ingredients:

• Chemical Properties

Ingredient(s)	EC No.	CAS number	Percent
HCL	231-595-7	7647-01-0	10-15%
Fatty Amine ethoxylate	26161-33-1	500-153-8	2-5%
Nonionic Surfactants			

Other Ingredients : Fragrance, Colour, qs Aqua etc.

EB IV First aid measures

- **Basic information:** Remove all contaminated clothing. Always wear gloves and safety glasses before use.
- **Eye contact:** Wash immediately with adequate amount of water and seek medical attention urgently.
- **Swallow:** Rinse out mouth and then drink one or two glasses of water or milk if available. Must seek immediate medical attention & check up.
- **Inhalation:** If causes nausea or uncontentionous, immediately rush for medical attention.
- **Skin contact:** Wash skin thoroughly with water. Remove contaminated clothing. Avail medical attention if symptoms persists.

EB V Fire fighting measures

- **Recommended extinguishing options:** Not flammable use fire. Media for surrounding.
- **Protective equipment:** PPE recommended however no special measures required.
- **Protection of personnel:** Important however not essential.

EB VI Accidental release measures (& Environment Impact)

- **Environmental precautions :** Do not permit uncontrolled disposal in natural water bodies, may impact Aquatic habitat.
- **Refer Risk & Safety Statement Codes :** Annexure enclosed in the MSDS for Safety Codes and abide to precautions as per Risk Codes
- **Method of disposal :** If spilled, it absorbs best with liquid-binding materials namely sand, sawdust, universal binders etc. Dispose of the collected material according to the regulations and responsibly.
- **Precautionary Additional information :** 10X or adequate dilution recommended before routine disposal
- **Safety information :** Causes severe burns, destroys living tissues with direct exposure.
- **Protection of personnel :** Important however not essential.

EB VII Handling and storage

- **Handling (also refer EB VIII and EB XV)**
- **Information for safe handling :**
Abide to the safety norms and risk codes and rules for working with chemicals.
Always use PPE before handling chemicals.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:** Store upright in original closed containers.
- **Essential Requirements:** As per governing norms of local legislation.
- **For storage rooms and containers:** As per legal norms.
- **Storage in one common storage facility :** Not applicable.

EB VIII Exposure controls and personal protection

- **For comprehensive support information pertaining to design of technical systems :**

Limited information exist; refer section EB VII.

- **Components with limit values that require monitoring at the workplace :**

7647-01-0 hydrochloric acid

This product is corrosive yet safe at large for use.

- **Personal Protection Equipment (PPE) :**

- **Safety Measures :**

Avoid inhalation of fumes. Face mask use recommended. For personal safety Toilet Cleaner can be used safely used. Avoid contact with eyes and skin. Keep away from edibles.

- **Breathing equipment :**

Personal protection is always a safety measure while working with cleaning chemicals.

Avoid inhalation of vapor or fumes.

- **Protection of hands :**

Rinse and dry hands after use. For prolonged contact, safety gloves & glasses protection for the skin & eyes may be necessary.

- **Hygiene measures**

Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin.

- **Eye protection :**

Safety glasses may not be normally required. Though, their use is always recommended, especially in such cases where handling the concentrated solvent involves a risk of fumes or splash.

- **Spill Controls :**

In the event of spillage, Spill Kits and Spill Clean Up Procedures should be adhered. Spill kits which are appropriate for the type of materials used for such events. Typical spill kits contain sorbent materials for acids, bases, and solvents. Spill kits for specific materials such as for mercury or hydrofluoric acid may not be required for this solvent.

EW IX Physical and chemical properties:

- **General information:**

Physical State: Liquid

Colour: Blue

Odour: Mild fragrance.

- **Boiling & Melting Point**

Boiling point/Boiling range: Not determined

Melting point : Not determined

- **Danger of explosion:** Concentrated and diluted product is not explosive or self igniting.

- **Specific Gravity at 27°C:** 0.9 - 1.02 g/cm³

- **pH-value (1% sol.):** 1-3

- **Solubility in / Miscibility with Water:** Fully miscible

- **Spontaneous combustion:** Product is not self combustible

EW X Stability and reactivity

- **Hazardous reactions:** None of the hazardous reactions known so far.

- **Hazardous product's conditions:** None of hazardous product's conditions known.

Refer EW III and Risk & Safety annexures

- **Decomposition due to heat production/Conditions to be avoided:** There is no decomposition if product is used as per specifications.

EW XI Toxicological information

- **Acute toxicity:**

- **Lethal Dose LD50 (oral) :** As per the toxicological classification the LD50 (oral) is not estimated due to acidic and corrosive characteristics.

- **Biological irritant effect :**

- **If Swallowed:** Can cause severe burns which may impact mouth, throat, food pipe and digestive organs.

- **Eye contact:** Likely to cause irritation or permanent blindness.

- **Inhalation:** Prolonged inhalation may cause nausea.

- **Skin contact:** Likely to cause partial irritation/burns or severe burns.

- **Toxicological information :** The product does not fall in the scope of labeling requirements for toxicological characteristics or human health effects as per the EC Dangerous Substances and Preparations Directives. When used and handled according to instructions, the product is unlikely to have any harmful effects.

EB XII Ecological information:

- HNW Toilet Cleaner is a Corrosive solvent.
- Do not allow undiluted product to reach sewage system.

Classification

Harmful to aquatic and biological organisms. It may affect adversely in the aquatic and non aquatic environment. This falls under this classification of these products due to the component(s) listed in section EB II with an environmental risk classification (R50 - R53).

Aquatic toxicity:

Based on the environmental classification the toxicity for aquatic organisms (as defined in 67/548/EEC, Risk Annexure) is estimated to be approximately 10-100 mg/l or below.

EB XIII Disposal considerations

- **Recommendation :**
Prohibit the concentrate disposal directly into any Water body or sewage system.
- **Cleaning agent :** if spilled then clean with water, and if necessary with recommended cleaning agent.
- **Packaging's Residue:** Dispose off as per official regulations and guidelines.
- **Ideally this product should not be disposed of together with domestic waste.**

• European waste catalogue

20 01 29	Detergents containing dangerous substances
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EB XIV Transport information

• Land transport ADR/RID (cross-border)



ADR/RID Class: 8 Corrosive substances
Kemler Number: 80
UN-Number: 1789
Packaging Group: III
Label: 8
Proper Shipping Name: HYDROCHLORIC ACID SOLUTION

• Maritime transport IMDG:



IMDG Class: 8
UN-Number: 1789
Label: 8
Packaging Group: III
EMS Number F-A, S-B
Maritime Pollutant : None
Proper Shipping Name: HYDROCHLORIC ACID SOLUTION

• Air transport ICAO-TI and IATA-DGR:



ICAO / IATA Class: 8
UN-Number: 1789
Label: 8
Packaging Group: III
Proper Shipping Name: HYDROCHLORIC ACID SOLUTION

• Transport / Additional Information : Non-dangerous according to ICAO/IATA regulations.

EB XV Regulatory information

- **According to EC guidelines:**

Product is classified dangerous as per the norms of the implied EC Directives.

- **Risk phrases:**

R 35 Causes severe burns.

- **Safety phrases:** Refer risk and safety statement code annexure

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 28 After contact with skin, wash immediately with plenty of water.

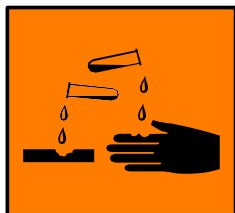
S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

- **Safety indications on the label :**

Rinse and dry hands after use. For prolonged contact protection for the skin is recommended and PPE may be necessary. Safety data sheet inputs shared for professional use.

- **Symbol and hazard designation of product :**



- **Ingredients responsible for the classification:** Hydrochloric acid.

EW XVI Other Information

- The information in this document is based on our best available knowledge. However, it does not assure a guarantee for any specific product features and does not establish a legally binding contract.

- **Text of risk phrases associated with ingredients listed in section EB III :**

R22. Harmful if swallowed.

R34 Causes burns.

R37 Irritating to respiratory system.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R50 Very toxic to aquatic organisms.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

ADR and RID stands for the European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR). ADR (formally, the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)) is a 1957 United Nations treaty that governs transnational transport of hazardous materials. "ADR" is derived from the French name for the treaty

The International Maritime Dangerous Goods or IMDG Code was adopted in 1965 as per the SOLAS (Safety for Life at Sea) Convention of 1960 under the IMO. The IMDG Code was formed to prevent all types of pollutions at sea. The IMDG code also ensures that the goods transported through seaways are packaged in such a way that they can be safely transported. The dangerous goods code is a uni form code.

ICAO (International Civil Aviation Organization) codes are used for "official" purposes of Air Traffic Control & global SOPs adherence. **IATA** (International Air Transport Association) is a trade association that focuses on making air traffic businesses safe, secure, reliable and efficient.

* In case of local regulation change or formulation change this MSDS may undergo revision before the stated revision date.

Department issuing material safety data sheet:

Contact :

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