

EG I Product Details and company information:

- **Brand Name:** **ORION PRO MANUAL DISHWASH**
- **Application of the product :** Manual detergent for greasy utensils, dishes, and kitchenware
- **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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EDW II Hazards identification

- **Category :** Not dangerous as per the classification systems of EC guidelines. .
- **Physical hazards:** Not Classified
- **Health hazards:** Not Classified
- **Environmental & Human hazards:** Not classified.
- **Standards & System:** The standard complies with current EC regulations on solvent preparations and hazardous substances.

EH III Composition / Information on ingredients:

- **Chemical Properties:**
- **Description:** Water base solution of not dangerous ingredients and substances is listed below.

Ingredients	EC number	CAS number	Percentage
Sodium Lauryl Ether Sulfate (SLES),	234-8	68585-32-2	5 - 20%
{[3-(Dodecanoylamino) propyl] (dimethyl)ammonio} acetate	263-058-8	61789-40-0	5 - 10%

Other Ingredients : Caustic, Preservative, Fragrance, Colour, qs Aqua

EDW IV First aid measures

- **Basic information** : No special measures required.
- **Eye contact** : Wash immediately with adequate amount of water.
- **Swallow** : Rinse out mouth and then drink one or two glasses of water if available.
In case of persisting manifestation seek medical attention & check up.
- **Inhalation** : Cover or remove from source of exposure. Seek medical attention & check up if symptoms persist.
- **Skin contact** : No special measures required.

EDW V Fire fighting measures

- **Recommended extinguishing options** : The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
- **Protective equipment** : No special measures required.
- **Protection of personnel** : Not essential.

EDW VI Accidental release measures (& Environment Impact)

- **Environmental precautions** : Do not allow to enter drainage system, surface or ground water. Dilute with plenty of water.
- **Refer Risk & Safety Statement Codes** : Annexure enclosed in the MSDS for Safety Codes and abide to precautions as per Risk Codes
- **Method of disposal** : Flush away spillage with plenty of water.
- **Safety information** : No toxicants are released.
- **Protection of personnel** : Not essential.

EDW VII Handling and storage

- **Handling (also refer EDW VIII and EDW XV)**
- **Information for safe handling** : No special measures required.
- **Information about protection against explosions and fires**: No special measures required.
- **Storage**: Store upright in original closed containers
- **Essential Requirements for storage** : In cool dry place.
- **For storage rooms and containers** : Well ventilated place.
- **Storage in one common storage facility** : Not classified
- **Other information about storage conditions** : Keep only in the original container.

EDW VIII Exposure controls and personal protection

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

Limited information exist; refer section EDW VII.

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

This product is environment safe at large and does not contain any relevant quantities of content and chemicals with critical values that have to be observed at the desired premise or workplace.

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

- **Safety Measures :**

Avoid inhalation of fumes. Face mask use recommended. For personal safety Manual Dishwash can be use safely used in adequately ventilated premises.

- **Breathing equipment :**

Personal protection is always a safety measure while working with cleaning chemicals, however HNW products are largely PH Neutral* except Toilet Bowl Cleaner and hence PPE may not be normally required. But avoid inhalation of dust, 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.

- **Eye protection :**

Safety glasses may not be normally required. Though, their use is always recommended, specially 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.

- **Hygiene measures**

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

EDW IX Physical and chemical properties:

- **General information:**

Physical State : Liquid

Colour: Yellow Coloured Clear Viscous Liquid

Odour: Pleasant

- **Boiling & Melting Point**

Boiling point/Boiling range: at 100 °C @ 760 mm Hg

Melting point : Not determined

- **Danger of explosion:** Concentrated and diluted product is not explosive

- **Specific Gravity at 25°C:** 1 - 1.02 g/ml

- **Flash point:** NA

- **pH at 25°C :** 6 - 9

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

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

EDW X Stability and reactivity

- **Stability :** The product is stable at normal ambient temperature.

- **Reactivity :** Not applicable

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

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

Refer EDW 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.

- **Conditions to avoid:** Do not freeze extreme of temperature & direct sunlight

- **Hazardous decomposition products:** Substance condition not known.

EDW XI Toxicological information

- **Acute toxicity:**

- **Lethal Dose LD50 (oral) :** As per the toxicological classification the LD50 (oral) is estimated to be >3250 mg/kg.

- **Biological Primary irritant effect :**

- **Consumption/Ingestion:** Rarely to be harmful unless excessive amount is consumed may cause discomfort if swallowed..

- **Eye contact:** Unlikely to be irritating in normal use. Vapor or spray in the eyes may cause irritation and smarting.

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

- **Skin contact:** Unlikely to be irritating in normal use.

- **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.

EDW XII Ecological information:

- **Ecotoxicity:** Not regarded as dangerous for the environment.
- If product is used for its intended purpose this product should not cause any adverse ecological disturbances effects in the environment.

EDW XIII Disposal considerations

- **Recommendation :**
Avoid the concentrate disposal directly into any Water body or sewage system, however not hazardous
- **Cleaning agent :** Water, is recommended cleaning agent.
- **Packaging's Residue:** Dispose off with adequate water dilution.
- **Ideally this product should not be disposed of together with domestic waste.**
- **Disposal methods:** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

• European waste catalogue

16 03 06	organic wastes other than those mentioned in 16 03 05
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EDW XIV Transport information

- **Land transport ADR/RID (cross-border):** Not classified.
- **ADR/RID Class:** - Not classified.
- **Maritime transport IMDG:**
IMDG Class: - Not classified.
- **Air transport ICAO-TI and IATA-DGR:**
ICAO / IATA Class: Not classified.
- **Transport / Additional Information :** Non-dangerous according to ICAO/IATA regulations.

EDW XV Regulatory information

- **According to EC guidelines:**
Non-dangerous as per the norms of the implied EC Directives.
- **Safety indications on the label :**
Rinse and dry hands after use. Safety data sheet inputs shared for professional use.

EDW 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 EDW III :**

- **Risk phrases in full**

R20/22 Harmful by inhalation and if swallowed.

R36 Irritating to eyes.

R36/37/38 Irritating to eyes, respiratory system and skin.

R36/38 Irritating to eyes and skin.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

R50 Toxic to aquatic organisms.

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

- **Hazard statements in full**

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

* 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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