

OVA Digest Reagent

1. Identification of the substance or preparation and the company/undertaking

Product Name: Digest Reagent – 1M HCl

Product number: R-100-020DIG-01

company: Cogent Environmental Ltd
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UK

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2. Composition/information on ingredients

Product name: Digest Reagent, 1M Hydrochloric Acid

CAS number: none EC number: none

<u>Hazardous Ingredients</u>	<u>Proportion</u>	<u>CAS-No</u>	<u>EC-No</u>
Hydrochloric acid	3%	7647-01-0	231-595-7

Symbol: C

R-phrases: R34, 37

Causes burns. Irritating to respiratory system.

3. Hazards identification

Not Hazardous

4. First aid measures

If swallowed: Wash out mouth thoroughly providing person is conscious. Do not induce vomiting. Seek medical advice.

After eye contact: Irrigate thoroughly with water for at least 15 minutes. If discomfort persists obtain medical attention.

After skin contact: Remove contaminated clothing. Wash skin thoroughly with water and mild soap. Seek medical advice if irritation persists. Launder clothing before reuse.

If inhaled: Remove individual from contaminated air, rest and keep warm. If breathing is difficult give oxygen and seek medical assistance.

5. Fire-fighting measures

Non combustible. May evolve toxic fumes in fire. (Hydrogen chloride and other chlorine compounds).

Fire fighters should wear self contained breathing apparatus if exposure to fumes is likely.

Use water spray, foam or dry chemical to control fire situation if compatible with other chemical products in the vicinity.

6. Accidental release measures

Wear protective clothing when dealing with spills. Absorb spills with sand or vermiculite. Neutralise with sodium bicarbonate. Dispose of in accordance with local regulations.

OVA Digest Reagent**7. Handling and storage**

Handling: Change contaminated clothing. Wash hands after working with substance.

Storage: Store sealed in original container in a cool well ventilated situation away from foods and other chemicals. Do not store in direct sunlight. Observe good hygiene and housekeeping practices. Solution is acidic and may corrode metals.

8. Exposure controls and personal protection

UK Exposure Limits:

Hydrogen Chloride: 8 mg/m³ Short term (5 ppm) & 2 mg/m³ long-term (1 ppm) (IVL)

Engineering Controls:

Always use this product with good general ventilation (10-15 changes of air in the room per hour is preferable). Maintain atmospheric concentrations as low as possible.

Personal Protection:

Avoid all skin and eye contact. Wear protective clothing including safety glasses and rubber or PVC gloves.

9. Physical and chemical properties

Appearance: Clear Colourless liquid

Boiling point (°C): 85 (approx)

Vapour pressure (mmHg at 20°C): 146 (approx)

Specific Gravity (g/mL): 1.1

Flash Point (°C): Not flammable

Flammability limits (%): Not flammable

Solubility in water (g/L): Completely miscible

Other properties: pH approx 1. Acidic solution.

10. Stability and reactivity

Stable.

Substances to be avoided: amines, carbides, hydrides, fluorine, alkali metals, bases, salts of oxyhalogenic acids, aldehydes, sulphides.

11. Toxicological information

After ingestion: May cause irritation of mucous membranes in mouth, pharynx, oesophagus and gastrointestinal tract.

After skin contact: May cause irritation.

After eye contact: May cause irritation.

After inhalation of vapours: May cause irritation to the respiratory tract.

12. Ecological information

Harmful effect due to pH shift.

Harmful effect on aquatic organisms. Does not cause biological oxygen deficit.

13. Disposal considerations

Contact a licensed professional waste disposal service to dispose of this material. Observe local and National environmental regulations.

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14. Transport information

This product contains less than 5% of the following ingredient in non-liquid form.
HYDROCHLORIC ACID, GLACIAL, C (corrosive)
UN no: 1789, Class 8

Non – hazardous for air, road or sea transport.

15. Regulatory information

Not classified as dangerous according to EC directives.

16. Other information

None

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