

Formaldehyde Liquid

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Formaldehyde Liquid
CAS Number: 50-00-0
EC Number: 200-001-8

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

Identified use: Laboratory chemicals, manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company name: East Harbour Group Ltd
20 Clough Road, Severalls Industrial Park
Colchester, Essex, CO4 9QS
United Kingdom

Telephone: +44 (0) 333 242 0100
Email: info@eastharbourgroup.com

1.4 Emergency telephone number

Emergency telephone: 0800 246 1274

Section 2: Hazardous identification

2.1 Classification of the substance or mixture

H314 Causes severe skin burns and eye damage
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H371 May cause damage to organs.
H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.
H341 Suspected of causing genetic defects.
H350 May cause cancer

2.2 Label elements



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Danger

2.3 Other hazards

This product does not contain any substances classified as PBT or vPvB.

Section 3: Composition/information on ingredients

3.2 Mixtures

CAS #	Content (W/W)	Ingredients
50-00-0	30-60%	Formaldehyde

Chemical name: Formaldehyde liquid

Common name / synonyms: Formaldehyde

Section 4: First aid measures

4.1 Description of first aid measures

In case of skin contact: Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.

In case of eye contact: Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention immediately.

If swallowed: Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.

If inhaled: Move affected person to fresh air at once. Keep affected person warm and at rest. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

General information: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation: Upper respiratory irritation. Coughing, chest tightness, feeling of chest pressure.

Ingestion: May cause chemical burns in mouth and throat.

Skin contact: Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.

Eye contact: Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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Section 5: Fire-fighting measures

5.1 Fire Fighting Media and Instructions:

Suitable extinguishing media: The product is not flammable. Use fire-extinguishing media suitable for the surround fire.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition or combustion products may include the following substances: toxic gases or vapours.

5.3 Advice for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing, gloves, eye and face protection. Wear respiratory protection.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Small spillages: flush away spillage with plenty of water. Large spillages: contain and absorb spillage with sand, earth or non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

Section 7: Handling and storage

7.1 Precautions for safe handling

Wear protective clothing, gloves, eye and face protection.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: oxidising materials.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Long-term exposure limit (8-hour TWA): WEL 2 ppm 2,5 mg/m³

Short-term exposure limit (15-minute): WEL 2 ppm 2,5 mg/m³

8.2 Exposure controls /

Appropriate engineering controls

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Provide adequate general and local exhaust ventilation.

8.3 Personal protective equipment

Eye/face protection: The following protection should be worn: Chemical splash goggles or face shield.

Hand protection: Wear protective gloves. Polyvinyl chloride (PVC).

Other skin and body protection: Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection: Wear Respiratory protection compliant with EN 141 (A2 B2 E2 K2 Hg-p3).

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Clear. Colourless
Physical State	Liquid
Odor	Pungent. Characteristic of formaldehyde.
Odor Threshold	No information available
pH	2.5-5.5
Melting Point/Range	-15 C
Boiling Point/Range	96-101 C@ 760 mm Hg
Flash Point	63-75 C (closed cup)
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Explosion Limits	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Specific Gravity / Density	1.080-1.160 @ 20 C
Bulk Density	No information available
Water Solubility	No information available
Solubility in other solvents	No information available
Partition Coefficient	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available

Section 10: Stability and Reactivity

10.1 Reactivity

The following materials may react strongly with the product: Strong acids. Strong alkalis. Organic compounds. Some metals.

10.2 Chemical Stability

No particular stability concerns.

10.3 Possibility of hazardous reactions

No information available

10.4 Conditions to avoid

Avoid storage below 30°C and above 60°C otherwise may polymerise. Avoid heat, flames and other sources of ignition.

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10.5 Incompatible materials**10.6 Hazardous decomposition products**

Strong acids. Strong oxides.

Formaldehyde gas can be evolved at high temperatures and can form explosive mixtures.

Section 11: Toxicological Information

Product Information**11.1 Toxicological effects:**

No information available

Section 12: Ecological Information

12.1 Toxicity**Ecotoxicity effects**

Formaldehyde exhibits a toxic effect on aquatic organisms, but is not officially classified as such. Not acutely toxic to vertebrate animals, but exerts activity against invertebrates, e.g. bacteria. Sludge decomposition can be impaired, but the inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Persistence and degradability: This product, at use dilutions, is readily broken down in biological effluent treatment plants.

Bioaccumulative potential: The product does not contain any substances expected to be bioaccumulating.

Mobility: Not known

Section 13: Disposal considerations

13.1 Waste treatment methods**Waste disposal of substance:**

Discharge used solutions to drain. Unwanted material should be disposed of as hazardous waste by registered contractor. Rinse out empty container with water and consign to normal waste.

Section 14: Transport Information

UN No. (ADR/RID) 2209

UN No. (IMDG) 2209

UN No. (ICAO) 2209

ADR/RID class Class 8: Corrosive substances.

ADR/RID label 8

IMDG class Class 8: Corrosive substances.

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ICAO class/division Class 8: Corrosive substances.

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

EmS F-A, S-B

Tunnel restriction code (E)

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section 15: Regulatory Information

EU Legislation: Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006). The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.