

HIKARI SALTWATER ICH-X

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1. Product Identification

Synonyms:

Formalin, dilute; dilute formaldehyde solution

CAS No.:

Mixture.

Molecular Weight:

N/A

Chemical Formula:

N/A

Product Codes:

Hikari: 73314 & 73316.

Identified uses:

Disease and water treatment for aquarium fishes.

2. Hazards Identification

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 4), H227

Acute toxicity, Oral (Category 4), H302

Skin irritation (Category 2), H315

Serious eye damage (Category 1), H318

Skin sensitisation (Category 1), H317

Carcinogenicity (Category 2), H351

Specific target organ toxicity - single exposure (Category 1), H370

For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS Label elements, including precautionary statements

Pictograms



Signal word Danger

Hazard statement(s)

Harmful if swallowed.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

Suspected of causing cancer.

Causes damage to organs.

Precautionary statement(s)

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

Wash skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing should not be allowed out of the workplace.

IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/ physician.

Rinse mouth.

If skin irritation or rash occurs: Get medical advice/ attention.

Take off contaminated clothing and wash before reuse.

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/ container to an approved waste disposal plant.

3. Composition/Information on Ingredients

Hazardous Components

Ingredient	CAS No	Percent	Hazardous
Formaldehyde	50-00-0	<3%	Yes
Methanol	67-56-1	<2%	Yes

4. First Aid Measures

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed
no data available

5. Fire Fighting Measures

This product is not considered to be a fire hazard.

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

Use water spray to cool unopened containers.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all

sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

For personal protection see section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

7. Handling and Storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

For precautions see section 2.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated

8. Exposure Controls/Personal Protection

Components with workplace control parameters

Component	CAS Reg. No.	Value	Control Parameters	Basis
Formaldehyde	50-00-0	C	0.3 ppm	USA. ACGIH Threshold Limit Values (TLV)
				Remarks: Eye & Upper Respiratory Tract irritation; Suspected human carcinogen Sensitizer
Methanol	67-56-1		Methanol 15 mg/l Urine	ACGIH - Biological Exposure Indices (BEI)

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

Appearance: Colorless, clear liquid
Odor: Characteristic formaldehyde odor
Odor threshold: Not established.
pH: ~7.0
Melting Point: Not determined.
Boiling Point: >100°C (212°F)
Flash point: 85 °C (185 °F)
Vapor Pressure (mm Hg):
No information found.
Vapor Density (Air=1):
No information found.
Density: ~1.080
Solubility: 100% soluble in water.

10. Stability and Reactivity

Reactivity: no data available
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: no data available
Conditions to avoid: Heat, flames and sparks.
Incompatible materials: Strong bases, Acids, Oxidizing agents, Alkali metals, Strong oxidizing agents, Amines, Strong acids, Acid chlorides, Acid anhydrides, Reducing agents, Peroxides, Isocyanates, Phenol, Aniline
Hazardous decomposition products: no data available
Other decomposition products: no data available
In the event of fire: see section 5

11. Toxicological Information

Acute toxicity: no data available
Inhalation: no data available
Dermal: no data available
Skin corrosion/irritation: no data available
Serious eye damage/eye irritation: no data available
Respiratory or skin sensitisation: no data available
Germ cell mutagenicity: no data available
Carcinogenicity:
IARC: 1 - Group 1: Carcinogenic to humans (Formaldehyde)
NTP: Known to be human carcinogen (Formaldehyde)
OSHA: OSHA specifically regulated carcinogen (Formaldehyde)
Reproductive toxicity: no data available
Specific target organ toxicity - single exposure: no data available
Specific target organ toxicity - repeated exposure: no data available
Aspiration hazard no data available
Additional Information:
RTECS: Not available
Methyl alcohol may be fatal or cause blindness if swallowed., Cannot be made non-poisonous., Effects due to ingestion may include:, Nausea, Dizziness, Gastrointestinal disturbance, Weakness, Confusion., Drowsiness, Unconsciousness, May cause convulsions.

Liver - Irregularities - Based on Human Evidence
Stomach - Irregularities - Based on Human Evidence
Liver - Irregularities - Based on Human Evidence (Formaldehyde)
Stomach - Irregularities - Based on Human Evidence (Methanol)

12. Ecological Information

Environmental Fate:

Not known

Environmental Toxicity:

No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery, reuse or recycling should be handled can be washed down into a sanitary sewer. State and local disposal regulations may differ from federal disposal regulations. Container and unused contents are not hazardous. Container may be rinsed with water and recycled as household waste.

14. Transport Information

DOT (US):

NA-Number: 1993 Class: NONE Packing group: III

Proper shipping name: Combustible liquid, n.o.s. (Formaldehyde, Methanol)

Reportable Quantity (RQ): 2500 lbs

Marine pollutant: No

Poison Inhalation Hazard: No

15. Regulatory Information

SARA 302 Components:

The following components are subject to reporting levels established by SARA Title III, Section 302: Formaldehyde, CAS-No. 50-00-0, Revision Date 2007-07-01

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313: Methanol, CAS-No. 67-56-1, Revision Date 2007-07-01

Formaldehyde, CAS-No. 50-00-0, Revision Date 2007-07-01

SARA 311/312 Hazards:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components:

Formaldehyde, CAS-No. 50-00-0, Revision Date 2007-07-01

Methanol, CAS-No. 67-56-1, Revision Date 2007-07-01

Pennsylvania Right To Know Components:

Water, CAS-No. 7732-18-5

Formaldehyde, CAS-No. 50-00-0, Revision Date 2007-07-01

Methanol, CAS-No. 67-56-1, Revision Date 2007-07-01

New Jersey Right To Know Components:

Water, CAS-No. 7732-18-5

Formaldehyde, CAS-No. 50-00-0, Revision Date 2007-07-01

Methanol, CAS-NO. 67-56-1, Revision Date 2007-07-01

California Prop. 65 Components:

WARNING! This product contains a chemical known to the State of California to cause cancer.
Formaldehyde, CAS-No. 50-00-0, Revision Date 2007-09-28

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Methanol, CAS-No. 67-56-1, Revision Date 2012-03-16

16. Other Information

HMIS Rating:

Health hazard: 3

Chronic Health Hazard: *

Flammability: 2

Physical Hazard 0

NFPA Rating:

Health hazard: 3

Fire Hazard: 2

Reactivity Hazard: 0

Product Use:

Consumer and professional water conditioner for freshwater and marine fishes.

Revision Information:

Revised 10/31/2013.

Disclaimer:

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