

1.- PRODUCT AND COMPANY INFORMATION

Product name	²⁰¹ Hg-enriched Methylmercury
Reference	201MMHg.005.010
Company	INNOVATIVE SOLUTIONS IN CHEMISTRY, S.L. Edificio Científico-Tecnológico Campus "El Cristo" 33006 Oviedo - Asturias
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2.- HAZARDS IDENTIFICATION

Classification of the substance or mixture according to Regulation (EC) No 1272/2008

Flammable liquids (Category 3), H226
Acute toxicity, Inhalation (Category 3), H331
Acute toxicity, Dermal (Category 3), H311
Acute toxicity, Oral (Category 3), H301
Specific target organ toxicity - single exposure (Category 1), H370
Skin corrosion (Category 1A), H314

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

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word Danger

Hazard statement(s)

H225 Highly Flammable liquid and vapour
H314 Causes severe skin burns and eye damage
H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.
H370 Causes damage to organs

Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P280 Wear protective gloves/ protective clothing.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/ physician.
P311 Call a POISON CENTER or doctor/ physician.

Supplemental Hazard Statements none



Other hazards

This substance/mixture does not contain components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3.- COMPOSITION/INFORMATION OF THE INGREDIENTS

Mixtures

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component		Classification	Concentration
Acetic acid			
CAS-No.	64-19-7	Flam. Liq. 3; Skin Corr. 1A;	75%
EC-No.	200-580-7	H226, H314	
Index-No.	607-002-00-6		
Methanol			
CAS-No.	67-56-1	Flam. Liq. 2; Acute Tox. 3;	25%
EC-No.	200-659-6	STOT SE 1; H225, H301,	
Index-No.	603-001-00-X	H331, H311, H370 Concentration limits: >= 10 %: STOT SE 1, H370; 3 - < 10 %: STOT SE 2, H371;	

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

4.- FIRST AID MEASURES

After inhalation

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

After skin contact

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

After eye contact

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

After ingestion

If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

5.- FIRE-FIGHTING MEASURES

Extinguishing media

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Exposure hazards

Emits toxic fumes under fire conditions. Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions.

Special protective equipment for fire-fighting

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.



6.- ACCIDENTAL RELEASE MEASURES

Personal precautions

Evacuate area. Shut off all sources of ignition.

Clean-up procedures

Cover with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

Environmental precautions

Do not allow material to enter drains or water courses. Avoid contaminating sewers and waterways with this material.

7.- HANDLING AND STORAGE

Handling requirements

Directions for Safe Handling: Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Do not use if skin is cut or scratched. Wash thoroughly after handling.

Storage

Conditions of Storage: Keep tightly closed. Keep away from heat, sparks, and open flame. Storage to -18°C .

8.- EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures

Safety shower and eye bath. Use non-sparking tools. Use only in a chemical fume hood.

Personal protective equipment

Respiratory Protection: Government approved respirator.

Hand Protection: Compatible chemical-resistant gloves.

Eye Protection: Chemical safety goggles.

General hygiene measures

Wash thoroughly after handling. Discard contaminated clothing and shoes.

9.- PHYSICAL AND CHEMICAL PROPERTIES

State:	liquid
Color:	colorless
Odor:	pungent
pH	not applicable
Boiling point	not applicable
Melting point	not applicable
Flash point	not applicable
Flammability	not applicable
Explosion limits	not applicable
Vapor pressure	not applicable
Viscosity	not applicable
Density	not applicable
Solubility	not applicable

10.- STABILITY AND REACTIVITY

Stability

Stable: Stable.

Materials to avoid:



Acids, Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents.

11.- TOXICOLOGICAL INFORMATION

Signs and symptoms of exposure

Methyl alcohol may be fatal or cause blindness if swallowed. Cannot be made non-poisonous. Ingestion can cause: Nausea, headache, and vomiting. Gastrointestinal disturbances. Dizziness. Weakness. Confusion. Drowsiness. Unconsciousness.

Route of exposure

Skin Contact: Causes skin irritation.

Skin Absorption: Toxic if absorbed through skin.

Eye Contact: Causes eye irritation.

Inhalation: Toxic if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: Toxic if swallowed.

Target organ information

Eyes. Kidneys. Liver. Heart.

12.- ECOLOGICAL INFORMATION

No data available.

13.- DISPOSAL CONSIDERATIONS

Substance disposal

Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations.

14.- TRANSPORT INFORMATION

UN number

ADR/RID: 2789

IMDG: 2789

IATA: 2789

UN proper shipping name

ADR/RID: ACETIC ACID, GLACIAL

IMDG: ACETIC ACID, GLACIAL

IATA: Acetic acid, glacial

Transport hazard class(es)

ADR/RID: 8 (3)

IMDG: 8 (3)

IATA: 8 (3)

Packaging group

ADR/RID: II

IMDG: II

IATA: II

Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

Special precautions for user

No data available

UN number

ADR/RID: 1230

IMDG: 1230

IATA: 1230



UN proper shipping name

ADR/RID: METHANOL

IMDG: METHANOL

IATA: Methanol

Transport hazard class(es)

ADR/RID: 3 (6.1) IMDG: 3 (6.1) IATA: 3 (6.1)

Packaging group

ADR/RID: II IMDG: II IATA: II

Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

Special precautions for user

No data available

15.- REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

No Chemical Safety Assessment has been carried out for this mixture.

16.- OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Flam. Liq. Flammable liquids

Skin Corr. Skin corrosion

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

H370 Causes damage to organs.

H371 May cause damage to organs.

H314 Causes severe skin burns and eye damage.

Warranty

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