



SAFETY DATA SHEET

CPI-GEORGIA

Isotopeshop.com

Version 1.0

Revision Date: 5/4/2021

Print Date: 5/4/2021

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

1.1 Product identifiers

Product name: Water-¹⁸O
Product Number: OWC-201
Brand: CPI Georgia
CAS-No.: 14314-42-2
Formula: H₂¹⁸O

1.2 Recommended use of the chemical and restrictions on use

For research use only. Not intended for diagnostic or therapeutic use.

1.3 Details of the supplier of the safety data sheet

Company: CPI Georgia
46 Petre Kavtaradze Street,
Tbilisi, Georgia, 0186

Telephone: +995-322-303-495
Fax: +995-322-303-495
E-mail address: Info@cpigeorgia.ge

Section 2: Hazards identification

2.1 Classification

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other Hazards

No additional information available.

Section 3: Composition/ Information on Ingredients

3.1 Substances

Chemical Name	CAS#	Weight-%
Water- ¹⁸ O	14314-42-2	>99%

Formula: H₂¹⁸O
Molecular weight: 20.02 g/mol
CAS-No.: 14314-42-2

Section 4: First-Aid Measures

4.1 First Aid Measures

General advice:

If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

Eye contact:

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact:

Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Immediate medical attention is not required. If skin irritation persists, call a physician.

Inhalation:

Remove to fresh air Call a physician If breathing is irregular or stopped, administer artificial respiration Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation Immediate medical attention is not required Move to fresh air in case of accidental inhalation of vapors If symptoms persist, call a physician.

Ingestion:

Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider:

Use personal protective equipment as required.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians. Treat symptomatically.

Section 5: Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media:

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

5.2 Special hazards arising from the substance or mixture

No data available.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions: Ensure adequate ventilation, especially in confined areas.

6.2 Environmental precautions

Environmental precautions: Prevent entry into waterways, sewers, basements, or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.

6.3 Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Pick up and transfer to properly labeled containers.

Section 7: Handling and Storage**7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8: Exposure Controls/Personal Protection**8.1 Control parameters**

Exposure Guidelines: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

8.2 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.

8.2.1 Personal protective equipment**Eye/face protection**

Safety glasses with side-shields conforming to EN166 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.

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

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level

protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical State:	Liquid
Appearance:	Liquid
Odor:	No information available

Property

Values

pH	6 - 8 at 25 °C
Melting point/freezing point	0 °C
Boiling point	100 °C
Flash point	No information available
Density	1 g/cm ³
Evaporation rate	No information available
Upper flammability limits	No information available
Lower flammability limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific gravity	No information available
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

Section 10: Stability and Reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Avoid moisture.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Other decomposition products - No data available

Section 11: Toxicological Information	
11.1 Information on likely routes of exposure	
Inhalation:	No data available.
Eye contact:	No data available.
Skin Contact:	No data available.
11.2 Information on toxicological effects	
Symptoms:	No information available.
11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure	
Chronic Toxicity:	No information available
Numerical measures of toxicity - Product Information	
Unknown acute toxicity:	100% of the mixture consists of ingredient(s) of unknown toxicity
Section 12: Ecological Information	
12.1 Toxicity	
No data available.	
12.2 Persistence and degradability	
No data available.	
12.3 Bioaccumulative potential	
No data available.	
12.4 Mobility in soil	
No data available.	
12.5 Results of PBT and vPvB assessment	
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.	
12.6 Other adverse effects	
No data available.	
Section 13: Disposal Considerations	
Disposal of wastes:	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging:	Do not reuse container.
Other Information:	Waste codes should be assigned by the user based on the application for which the product was used.
Section 14: Transport Information	
DOT (US)	
Not regulated	
IATA	
Not regulated	

IMDG

Not regulated

Section 15: Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

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

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

Section 16: Other Information**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.