



Safety Data Sheet

Effective Date September 2024

DI Water (DEIONIZED) WATER)

SECTION 1 - IDENTIFICATION

Product identifiers

Product name : Di water for synthesis

Product Catalog Number : NC-3064

**Relevant identified uses of the substance or mixture and uses advised against
Identified uses :**

Chemical for laboratory use

Details of the supplier of the safety data sheet

Company

The Science Company

7625 W Hampden Ave #14

Lakewood CO 80227

ph: 303-777-3777

SECTION 2: Hazards identification

Classification of the substance or mixture

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

GHS label elements Not regulated.

Hazard pictograms: Not regulated.

Signal word: None.

Hazard statements: None.

Precautionary statements: None

Hazards not otherwise classified (HNOC) or not covered by GHS – none

SECTION 3:

Chemical characterization: Substances
CAS No. Description 7732-18-5 Water

SECTION 4: First aid measures

Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: No special measures required.

After swallowing: No special measures required.

Most important symptoms and effects, both acute and delayed: No relevant information available.

Indication of any immediate medical attention and special treatment needed: No relevant information available.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing agents: The product is not flammable.

For safety reasons unsuitable extinguishing agents: No relevant information available.

Special hazards arising from the substance or mixture No relevant information available.

Advice for firefighters

Protective equipment: No special measures required.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

No special measures required.

Environmental precautions No special measures required.

Methods and material for containment and cleaning up No special measures required.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and Storage

Handling

Precautions for safe handling: No special measures required.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: No relevant information available.

Specific end use(s) No relevant information available.

SECTION 8: Exposure controls/personal protection

Control parameters

Components with limited values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure controls

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.

Engineering controls: No relevant information available.

Breathing equipment: Not required under normal conditions of use.

Protection of hands: Gloves not required under normal conditions of use.

Eye protection: Follow relevant national guidelines concerning the use of protective eyewear.

Body protection: Not required.

Limitation and supervision of exposure into the environment No special requirements.

Risk management measures No special requirements.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance: Form:	Liquid
Color:	Colorless
Odor:	Odorless
Odor threshold:	Not determined
pH	Neutral
Melting point/freezing point	Melting point/range: 0.0 °C (32.0 °F)
Initial boiling point and boiling range	100.0 °C 212.0 °F at 1,013 hPa
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.000 g/cm ³ at 3.98 °C (39.16 °F)
Water solubility	completely miscible
Partition coefficient:	n-octanol/water log Pow: -0.467 - Bioaccumulation is not expected.
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

SECTION 10: Stability and reactivityproperties

Reactivity	No data available
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature) .
Possibility of hazardous reactions	Violent reactions possible with: The generally known reaction partners of water.

Conditions to avoid No information available
Incompatible materials No data available
Hazardous decomposition products In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - > 90,000 mg/kg Remarks: (RTECS)
Sdfs

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 sensitization No data available
Germ cell mutagenicity No data available

Carcinogenicity

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

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 Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

Toxicity No data available

Persistence and degradability No data available

Bioaccumulative potential No data available

Mobility in soil No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No ecological problems are to be expected when the product is handled and used with due care and attention.

SECTION 13: Disposal considerations

Waste treatment methods

Product

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

SECTION 14: Transport information

DOT (US) Not dangerous goods

IMDG Not dangerous goods

IATA Not dangerous goods

Further information Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

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United States

SARA 302 Components

This material does not contain any components with a section 302 EHS TPQ.

SARA 313 Components This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SECTION 16: Other information

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. The Science Company shall not be held liable for any damage resulting from handling or from contact with the above product.