

Safety Data Sheets

1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Part number Number/Product Name: 02258/Turbidity Standard, 40 NTU

Pure substance/mixture: Mixture

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

Intended use: Turbidity sensor standard solution

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier: Green Instruments A/S

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2. Hazard(s) Identification

Classification of the substance/
mixture: Mixture

Classification according to Regulation (EC) No. 1272/2008: This mixture is classified as not hazardous according to regulation EC 1272/2008

Symbol(s): Not dangerous goods

Label elements:

Product identifier

Hazard symbol: None

Signal word: None

Hazard statement: The mixture does not meet the criteria for classification.

Precautionary statement:

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Disposal Store away from incompatible materials.

Dispose of waste and residues in accordance with local authority requirements.

Other hazards: No information available

3. Composition/information on ingredients

Mixtures

Chemical name	CAS No.	EC No.	Weight %	CLP Classification Reg. EC no. 1272/2008
Water	7732-18-5	231-791-2	> 99.99	No information available
Other components below reportable levels			0.0103	

* Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

General note:	Use first aid treatment according to the nature of the injury. Show this safety data sheet to the doctor in attendance.
Inhalation:	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact:	Dry skin with paper towel or similar.
Eye contact:	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion:	Rinse mouth. Get medical attention if symptoms occur
Protection of First-aiders:	Use personal protective equipment. See section 8 for more detail.
Most important symptoms and effects, both acute and delayed:	Direct contact with eyes may cause temporary irritation.
Indication of any immediate medical attention and special treatment needed:	Treat symptomatically

5. Fire-fighting measures

Suitable extinguishing media:	Use extinguishing agent suitable for type of surrounding fire.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
Advice for firefighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. No special precautions
Environmental precautions:	Never return spill in original containers for re-use. For waste disposal, see section 13 of the SDS. No special environmental precautions required.
Methods and materials for containment and cleaning up:	Containment of this material should not be necessary. This product is miscible in water. Flush with water.
Reference to other sections:	Refer to protective measures listed in sections 7 and 8. See section 8 for information on appropriate personal protective equipment. See section 12 for additional Ecological information. See section 13 for additional waste treatment information

7. Handling and storage

Precautions for safe handling:	Avoid prolonged exposure. No special precautions required.
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Conditions for safe storage, including any incompatibilities:	Store in tightly closed container. Do not allow material to freeze. Store away from incompatible materials (see Section 10 of the SDS).
Risk Management Method(s):	The information required is contained in this Safety Data Sheet

8. Exposure controls/personal protection

Control parameters:	No exposure limits noted for ingredient(s)
Exposure controls:	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Engineering Measures:	
Individual protection measures, such as personal protective equipment	
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin and body protection	
Hand protection:	Wear appropriate chemical resistant gloves.
Other:	Wear suitable protective clothing.
Respiratory protection:	No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Environmental exposure controls:	No information available

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid
Form:	Aqueous solution
Color:	Colorless
Odor:	Odorless
Odor threshold:	Not available
pH:	6.7
Property	Values
Melting point/freezing point:	32°F (0°C) estimated
Initial boiling point and boiling range:	212°F (100°C) estimated
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit – lower (%):	Not available
Flammability limit – upper (%):	Not available
Explosive limit – lower (%):	Not available
Explosive limit – upper (%):	Not available

Vapor pressure: 0.00001 hPa estimated
Vapor density: Not available
Relative density: Not available

Solubility(ies)
Solubility (water): Completely Miscible
Partition coefficient:
(n-octanol/water) Not available
Auto-ignition temperature: Not available
Decomposition temperature: Not available
Viscosity: Not available

Other information
Density: 1.00 g/cm³ estimated
Explosive properties: Not explosive.
Oxidizing properties: Not oxidizing.
Percent volatile: 100.0 %
Specific gravity: 1.00 estimated

10. Stability and reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability: Material is stable under normal conditions
Explosion Data
Sensitivity to Mechanical Impact: Not available
Sensitivity to Static Discharge: Not available
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid: Do not freeze
Incompatible materials: None known
Hazardous decomposition products: No hazardous decomposition products are known.

11. Toxicological information

Information on toxicological effects

Acute Toxicity

Product information: Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation: Prolonged inhalation may be harmful.
Skin contact: No adverse effects due to skin contact are expected.
Eye contact: Direct contact with eyes may cause temporary irritation.
Ingestion: Expected to be a low ingestion hazard.
Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics:

Not available

<i>Product</i>	<i>Species</i>	<i>Test Results</i>
Turbidity standard, 0 NTU		
Acute		
Dermal	Rabbit	100000 mg/kg
LD50		
Oral		
LD50	Bird	100000 mg/kg
	Mouse	100000 mg/kg
	Rat	100000 mg/kg
TD	Rat	100000 mg/kg
TDLO	Rat	100000 mg/kg

Skin corrosion/irritation:

Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation:

Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization:

Not a respiratory sensitizer.

Skin sensitization:

This product is not expected to cause skin sensitization.

Germ cell mutagenicity:

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity:

Not classifiable as to carcinogenicity to humans.

This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA

Reproductive toxicity:

This product is not expected to cause reproductive or development effects

Specific target organ toxicity – single exposure:

Not classified.

Specific target organ toxicity – repeated exposure:

Not classified.

Aspiration hazard:

Not an aspiration hazard.

Chronic effects:

Prolonged inhalation may be harmful

Further information:

No information available

12. Ecological information

Ecotoxicity: Not applicable.

<i>Product</i>	<i>Species</i>	<i>Test Results</i>
Turbidity standard, 0 NTU		
Aquatic		
Crustacea EC50	Daphnia	37000 mg/l, 48 hours estimated
Fish LC50	Fish	22840.0156 mg/l, 96 hours estimated

Persistence and degradability: No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment: No data available

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component

Endocrine Disruptor Information: No data available

13. Disposal considerations

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Wash to drains with lots of water. Dispose in accordance with all applicable regulations

Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT Not regulated

IMDG Not regulated

IATA Not regulated

Transport in bulk according to Not established. Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Take note of Directive 98/24/EC on the protection of the health and safety of worker from the risks related to chemical agents at work.

International Inventories

<i>Inventory name</i>	<i>On inventory (yes/no)*</i>
Australian Inventory of Chemical Substances (AICS)	Yes
Canadian Domestic Substances List (CANINV/ DSL)	Yes
Canadian Non-Domestic Substances List (CANINV/NDSL)	No
Chinese Inventory of Existing Chemical Substances (IECSC)	Yes
European Inventory of Existing Commercial Chemical Substances (EINECS)	No
European List of Notified Chemical Substances (ELINCS)	No
Japan Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea Existing Chemicals List (ECL)	Yes
Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan Chemical Substance Inventory (TCSI)	Yes
United States and Puerto Rico Toxic Substances Control Act Inventory (USINV/TSCA)	Yes

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Chemical safety assessment

A chemical safety assessment according to regulation EC No. 1907/2006 is not required.

16. Other information

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Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available. 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. Because many factors may effect processing or application/use, Green Instruments recommends you an assessment to determine the suitability of a product for your particular purpose prior to use. 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. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sales. Further, the descriptions, data and information given are assumed. All such being given and accepted at your risk.

End of Safety Data Sheet.