

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

1.1. Product identifier

Product name: TURBIDITY STANDARD 1000 FTU

Product code: ST-065

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

Use of substance / mixture: PC21: Laboratory chemicals.

1.3. Details of the supplier of the safety data sheet

Company name: T.E.LABORATORIES
Loughmartin Business Park
Tullow
Carlow
Ireland

Tel: 059 9152881

Fax: 059 9152886

Email: Info@tellab.ie

1.4. Emergency telephone number

Emergency tel: +353 87 2775906/+353 87 2775907

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: T: R45; Sens.: R43

Classification under CLP: Skin Sens. 1: H317; Carc. 1B: H350; -: EUH208

Most important adverse effects: May cause cancer. May cause sensitisation by skin contact.

2.2. Label elements

Label elements under CLP:

Hazard statements: EUH208: Contains hydrazine sulphate salt. May produce an allergic reaction.

H317: May cause an allergic skin reaction.

H350: May cause cancer.

Signal words: Danger

Hazard pictograms: GHS07: Exclamation mark

GHS08: Health hazard



Precautionary statements: P202: Do not handle until all safety precautions have been read and understood.

SAFETY DATA SHEET
TURBIDITY STANDARD 1000 FTU

P308+313: IF exposed or concerned: Get medical advice/attention.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P281: Use personal protective equipment as required.
P302+352: IF ON SKIN: Wash with plenty of soap and water.

Label elements under CHIP:

Hazard symbols: Toxic.



Risk phrases: R45: May cause cancer.

R43: May cause sensitisation by skin contact.

Safety phrases: S36/37: Wear suitable protective clothing and gloves.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S53: Avoid exposure - obtain special instructions before use.

Precautionary phrases: Restricted to professional users.

Contains hydrazine sulphate salt. May produce an allergic reaction.

2.3. Other hazards

PBT: This product is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

HEXAMINE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
202-905-8	100-97-0	F: R11; Sens.: R43	Flam. Sol. 2: H228; Skin Sens. 1: H317	1-10%

HYDRAZINE SULPHATE SALT

233-110-4	100-34-93-2	T: R23/24/25; Sens.: R43; T: R45; N: R50/53	Acute Tox. 3: H301; Skin Sens. 1: H317; Carc. 1B: H350; Aquatic Chronic 1: H410; Aquatic Acute 1: H400; Acute Tox. 3: H311; Acute Tox. 3: H331	<1%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin.
Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

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SAFETY DATA SHEET
TURBIDITY STANDARD 1000 FTU

Page: 3

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact. May cause an allergic skin reaction.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: The product itself does not burn. Hazardous combustion products may include: Carbon Oxides, Sulphur oxides. Nitrogen Oxides(NOx). Hydrogen Cyanide(hydrocyanic acid). Formaldehyde-like. Ammonia.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Notify the police and fire brigade immediately. Evacuate the area immediately. If outside do not approach from downwind. If outside keep bystanders upwind and away from

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SAFETY DATA SHEET
TURBIDITY STANDARD 1000 FTU

Page: 4

danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding. Alert the neighbourhood to the presence of fumes or gas.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is exhaust ventilation of the area. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

8.1. DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is exhaust ventilation of the area. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of work day.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Use a full face respirator with multi purpose combination type ABEK (EN14387)respirator cartridges.

Hand protection: Impermeable gloves. Glove material: Nitrile. Layer thickness:0.15mm. Breakthrough time:>480min. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

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SAFETY DATA SHEET
TURBIDITY STANDARD 1000 FTU

Page: 5

Eye protection: Safety glasses with side-shields. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Odourless

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: Does not decompose when used for intended uses.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

HEXAMINE

IVN	RAT	LD50	9200	mg/kg
ORL	MUS	LD50	569	mg/kg

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SAFETY DATA SHEET
TURBIDITY STANDARD 1000 FTU

HYDRAZINE SULPHATE SALT

ORAL	RAT	LD50	601	mg/kg
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Relevant effects for mixture:

Effect	Route	Basis
Sensitisation	DRM	Hazardous: calculated
Carcinogenicity	--	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact. May cause an allergic skin reaction.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
Daphnia magna(Haxamine)	48H EC50	36000	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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SAFETY DATA SHEET
TURBIDITY STANDARD 1000 FTU

Page: 7

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3: EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H228: Flammable solid.

H301: Toxic if swallowed.

H311: Toxic in contact with skin.

H317: May cause an allergic skin reaction.

H331: Toxic if inhaled.

H350: May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H410: Very toxic to aquatic life with long lasting effects.

R11: Highly flammable.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R43: May cause sensitisation by skin contact.

R45: May cause cancer.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.