OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

Triple Sugar Iron Agar (TSI Agar)

Section 1: Chemical Product and Company Identification

Product Identifiers

Product Name: Triple Sugar Iron Agar (TSI Agar)

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

Identified Uses

Microbial Analysis and Research, In-vitro Diagnostic laboratories clinical and non-clinical specimens & Industrial analysis

Brand : OXFORD

Details Of The Supplier Of The Safety Data Sheet :

Company identification: **OXFORD LAB FINE CHEM LLP**
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Non hazardous substances

2.2 Label elements

Non hazardous substances

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

Composition:

Chemical name	CAS #	EC. No	Classification
Ferric sulphate	7720-78-7	231-753-5	Acute toxicity, Skin irritant, eye irritant
Phenol red	143-74-8	143-74-8	Skin irritant, eye irritant

Section 4: First Aid Measures

4.1 Description of first aid measures

General advice

Consult physician with this safety data sheet

If inhaled

Move the person to fresh air; if person is unable to breath give artificial respiration and consult physician

In case of skin contact

Wash with soap and plenty of water in order to remove all contents from skin

If swallowed

Rinse mouth with water and consult physician.

4.2 Acute and delayed important symptoms and effects

No data available

4.3 Indication of any specific or immediate medical treatment needed

No data Available

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Section 5: Fire and Explosion Data

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known. (on burning may generate Carbon oxides, Hydrogen chloride gas, Sodium oxides)

5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available.

Section 6: Accidental Release Measures

6.1 Personal protective equipment and emergency procedures:

Use personal protective equipment as per the local authority or the firm. Avoid dust formation and breathing dust. Avoid breathing vapours, mist or gas. Ensure adequate ventilation in area of work. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust.

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

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Section 7: Handling and Storage

7.1 Precautions for safe handling Provide appropriate exhaust ventilation at places where dust is formed.

Normal measures for preventive fire protection. For precautions see section 2.2. & 6.1

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Hygroscopic, Moisture sensitive.

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

Components with workplace control parameters and regulations.

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.

Personal protective equipment

Eye/face protection

Triple layered Surgical Face mask and Safety glasses with side-shields.

Skin protection

Use of proper gowning/ aprons, 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 in accordance with good laboratory practices.

Body Protection

Choose body protection in relation to its type, to the concentration and number of dangerous substances, and to the specific work-place

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Section 8: Exposure Controls/Personal Protection (Continued)

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts is desired, use triple layered surgical type or type P1

Control of environmental exposure

Do not let product enter drains.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	**: Form: powder Colour: Pink beige colour Powder**
pH	**: 7.2 ±0.2 at 25°C**
Melting point/freezing point	**: No data available**
Initial boiling point and boiling range	**: No data available**
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**
Vapour pressure	**: No data available**
Vapour density	**: No data available**
Relative density	**: No data available**
Water solubility	**: No data available**
Partition coefficient: n-octanol/water	**: No data available**
Auto-ignition temperature	**: No data available**
Decomposition temperature	**: No data available**

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Section 10: Stability and Reactivity Data

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: No data available

10.5 Incompatible materials : Strong oxidizing agents

10.6 Hazardous decomposition products Hazardous decomposition products formed under fire conditions.

Nature of decomposition products not known. Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas, Sodium oxides Other decomposition products - No data available In the event of fire: see section 5

Section 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity
No data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Section 11: Toxicological Information (Continued)

Carcinogenicity

IARC:

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

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 RTECS

Not available

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

Section 12: Ecological Information

12.1 Toxicity: No data available

12.2 Persistence and degradability: No data available

12.3 Bio-accumulative 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

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Section 13: Disposal Considerations

13.1 Waste treatment methods

Product **Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.**

OR

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: **Dispose of as unused product.**

Section 14: Transport Information

Type of Material: **Not dangerous goods**

Special precautions for user: **No data available**

Environmental hazards: **No**

Section 15: Other Regulatory Information

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

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors: **Neither Banned nor Restricted**

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII): **Neither Banned nor Restricted**

Listed substance / Sunset Date: **After the sunset date the use of this substance requires either an authorization or can only be used for exempted uses, e.g. use in scientific research and development which includes routine analytics or use as intermediate.**

15.2 Chemical safety assessment: **For this product a chemical safety assessment was not carried out**

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Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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