OXFORD LAB FINE CHEM LLP

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990
Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com
Web: www.oxfordlabchem.com

Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

a-AMYLASE SOLUTION

MSDS CAS:

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: a-AMYLASE SOLUTION
CAS NO: Not available.
C.I. No.:Not available.
Synonym:Not available.
Chemical Name:Not available.
Chemical Formula:Not available.

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: OXFORD LAB FINE CHEM LLP
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
A-Amylase	9000-92-4	<1
Sodium Chloride	7647-14-5	<1
Sodium Azide	26628-22-8	<0.1
Water	7732-18-5	>95

Section 3: Hazards Identification

Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification **:Xn ; R42**

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards **: Respiratory sensitization - Category 1 - Danger (CLP :Resp. Sens. 1) H334**

Other hazards

Other hazards :The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Section 4: First Aid Measures

Description of first aid measures

Inhalation :If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms :

Skin contact :Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

Eye contact :Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

Ingestion :Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

Most important symptoms and effects, both acute and delayed

Symptoms relating to use :May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Indication of any immediate medical attention and special treatment needed

General information :Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Section 5: Fire and Explosion Data

FLAMMABILITY OF THE PRODUCT:

FLASH POINT: Not available
AUTOIGNITION TEMPERATURE: Not available
NFPA HAZARD CLASSIFICATION HEALTH:1
FLAMMABILITY: 0
REACTIVITY: 0
OTHER: HMIS HAZARD CLASSIFICATION HEALTH:1
FLAMMABILITY: 0
REACTIVITY: 0
PROTECTION: EXTINGUISHING MEDIA: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide NOT SUITABLE: Do not use water jet.
SPECIAL FIRE FIGHTING PROCEDURES: No unusual fire or explosive hazards expected.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon expected to be the primary combustion product.

Section 6: Accidental Release Measures

ACCIDENTAL RELEASE MEASURES:

Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

Section 7: Handling and Storage

Precautions for safe handling

Handling :Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Avoid breathing dust, fume, gas, mist, vapours, spray.

Technical protective measures :Provide good ventilation in process area to prevent formation of vapour.

Conditions for safe storage, including any incompatibilities

Storage :Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.
Storage - away from :Strong bases. Strong acids. Sources of ignition. Direct sunlight.

Specific end use(s)

Specific end use(s) :None.

Section 8: Exposure Controls/Personal Protection

Exposure controls

Personal protection :Avoid all unnecessary exposure.

• Respiratory protection :In case of inadequate ventilation wear respiratory protection.

• Hand protection :Wear protective gloves.

• Eye protection :Chemical goggles or safety glasses.

• Others :When using, do not eat, drink or smoke.

Control parameters

Occupational Exposure Limits :No data available.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state	**: Liquid**
Colour	**: Colorless to slightly yellow**
Odour	**: Odorless**
Odour threshold	**: No data available.**
pH value	**: No data available.**
Melting point [°C]	**: No data available.**
Decomposition point [°C]	**: No data available.**
Critical temperature [°C]	**: No data available.**
Auto-ignition temperature [°C]	**: No data available.**
Flammability (solid, gas)	**: No data available.**
Flash point [°C]	**: No data available.**
Boiling point [°C]	**: No data available.**
Initial boiling point [°C]	**: No data available.**
Final boiling point [°C]	**: No data available.**
Evaporation rate	**: No data available.**
Vapour pressure [20°C]	**: No data available.**

Vapour pressure mm/Hg	**: No data available.**
Vapour density	**: No data available.**
Density [g/cm3]	**: No data available.**
Relative density, gas (air=1)	**: No data available.**
Relative density, liquid (water=1)	**: No data available.**
Solubility in water [% weight]	**: No data available.**
Solubility in water	**: No data available.**
Log Pow octanol / water at 20°C	**: No data available.**
Solubility	**: No data available.**
Viscosity at 40°C [mm2/s]	**: No data available.**

Other information

Explosive properties	**: No data available.**
Explosion limits - upper [%]	**: No data available.**
Explosion limits - lower [%]	**: No data available.**
Oxidising properties	**: No data available.**

Section 10: Stability and Reactivity Data

Reactivity

Reactivity :Not established.

Chemical stability

Chemical stability :Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous reactions :Not established.

Conditions to avoid

Conditions to avoid :Direct sunlight. Extremely high or low temperatures.

Incompatible materials

Materials to avoid :Strong acids. Strong bases.

Hazardous decomposition products

Hazardous decomposition products :Fumes. Carbon monoxide. Carbon dioxide.

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

• Inhalation	**: Based on available data, the classification criteria are not met.**
• Dermal	**: Based on available data, the classification criteria are not met.**
• Ingestion	**: Based on available data, the classification criteria are not met.**
Corrosion	**: Based on available data, the classification criteria are not met.**
Irritation	**: Based on available data, the classification criteria are not met.**
Sensitization	**: May cause allergy or asthma symptoms or breathing difficulties if inhaled.**
Mutagenicity	**: Based on available data, the classification criteria are not met.**

Section 11: Toxicological Information (continued)

Carcinogenicity	**: Based on available data, the classification criteria are not met.**
Toxic for reproduction	**: Based on available data, the classification criteria are not met.**
STOT-single exposure	**:Based on available data, the classification criteria are not met.**
STOT-repeated exposure	**:Based on available data, the classification criteria are not met.**
Aspiration hazard	**: Based on available data, the classification criteria are not met.**

Section 12: Ecological Information

Toxicity

Toxicity information :Not established.

Persistence - degradability

Persistence - degradability : Biodegradable.

Bioaccumulative potential

Bioaccumulative potential : Not established.

Section 12: Ecological Information (Continued)

Mobility in soil

Mobility in soil : Not established.

Results of PBT and vPvB assessment

Results of PBT and vPvBassessment :The substance does not fulfil the criteria to be identified as PBT substance or vPvBsubstance according to Annex XIII of Regulation REACH.

Other adverse effects

Environmental precautions :Avoid release to the environment.

Section 13: Disposal Considerations

WASTE DISPOSAL METHOD: Unused product: dispose as a regulated hazardous waste. Spent product or spill clean-up-follow all provincial, local, state, and federal regulations.

Section 14: Transport Information

Land transport (ADR-RID)

General information : Not regulated.

Sea transport (IMDG) [English only]

General information : Not regulated.

Air transport (ICAO-IATA) [English only]

General information : Not regulated.

Section 15: Other Regulatory Information

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

Safety, health and environmental :Ensure all national/local regulations are observed.
regulations/legislation specific for the substance or mixture

REACH Restrictions - Annex XVII :The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV :The components of this product are not subject to authorization.

Chemical Safety Assessment

Chemical Safety Assessment: It has not been carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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