



Material Safety Data Sheet

Format no: RDM/MSDS/H-XLDA-01

Revision: 01 / 2024

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

1.1 Product Identifiers

Product Name **Xylose Lysine Deoxycholate Agar (Harmonized)**
Product code **RDM-H-XLDA-01**
Brand **ReadyMED®**

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

Identified Uses Microbial Analysis and Research laboratories, clinical, non-clinical specimens and Industrial analysis.

1.3 Details of the supplier of the safety data sheet

Company **CHAITANYA AGRO BIOTECH PVT. LTD.**
CIN NO.: U24210MH1995PTC095220S,
S. No. 120/2, Laxmi Nagar, Umbarnala Road, Malkapur-443101, Dist.:
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rdmsales@chaitanyagroupindia.com, mkt.cabt@chaitanyagroupindia.com,
www.chaitanyagroupindia.com

1.4 Emergency telephone number

Emergency Phone# Local Emergency Service numbers where product is being used

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

No Significant Hazard

2.2 Label elements

No Significant Hazard

2.3 Other hazards

Combustible dusts: May form combustible dust concentrations in air.
Dust may be irritating if inhaled.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Contain Harmful / Irritant material

Chemical name	CAS No.	EC. No.	Classification
Sodium deoxycholate	302-95-4	206-132-7	Acute Toxicity, skin irritant, eye irritant
Sodium thiosulphate	7772-98-7	231-867-5	Skin irritant, eye irritant
Ferric ammonium citrate	1185-57-5	214-686-6	Skin irritant, eye irritant
Phenol red	143-74-8	205-609-7	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

Eye contact

Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist

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

Most important symptoms and effects, both acute and delayed

Inhalation

May cause irritation to respiratory system

Eye contact

May cause irritation to eyes

Skin contact

May cause irritation to skin

Ingestion

Ingestion may cause nausea and vomiting

4.3 Indication of any specific or immediate medical treatment needed

Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist.

If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide/ Use extinguishing media appropriate to the surrounding fire conditions.

5.2 Special hazards arising from the substance or mixture

Combustible dusts: May form combustible dust concentrations in air. Avoid formation of dust. Do not allow undiluted product to be released to ground water, water course or sewage system.

5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting if necessary. Do not breathe dust or vapor. Wear suitable respiratory equipment when 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.

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 amount of dangerous substances, and to the specific work-place

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.

Other information

Stomach pains, vomiting, diarrhoea. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance

Light beige to pink Powder

b) pH	7.2 - 7.6
c) Melting point/freezing point	No data available
d) Initial boiling point and boiling range	No data available
e) Flash point	No data available
f) Evaporation rate	No data available
g) Flammability (solid, gas)	No data available
h) Upper/lower flammability or explosive limits	No data available
i) Vapour pressure	No data available
j) Vapour density	No data available
k) Relative density	No data available
l) Water solubility	No data available
m) Partition coefficient: n-octanol/water	No data available
n) Auto-ignition temperature	No data available
o) Decomposition temperature	No data available
p) Viscosity	No data available
q) Explosive properties	No data available
r) Oxidizing properties	No data available
9.2 Other safety information	No data available

SECTION 10: Stability and reactivity

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	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
Hazardous decomposition products formed under fire conditions.	

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	Oral LD 50 (Albino Rat) > 2100 mg/kg
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/eye irritation	May cause irritation to eyes
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people
Germ cell mutagenicity	No mutagenic effects reported.
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 teratogenic effects reported.
Specific target organ toxicity - single exposure	May cause allergy or asthma symptoms or breathing difficulties if inhaled
Specific target organ toxicity - repeated exposure	No Significant Hazard
Aspiration hazard	No Significant Hazard
Additional Information RTECS	Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible

11.2 Component

Ferric ammonium citrate

Acute Oral Toxicity	LD50: Rat - >2000 mg/kg
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Phenol Red

Acute Oral Toxicity	LD50: Rat - > 600 mg/Kg
	LD50: Intravenous – Rat – 752 mg/kg

SECTION 12: Ecological information

12.1 Toxicity

Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3 and 4

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

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

UN proper shipping number

There is no UN number allocated to non-hazardous substances.

ADN: ADR: I ATA: IMDG: RID:

ADN: Not regulated

ADR: Not regulated

IATA: Not regulated

IMDG: Not regulated

RID: Not regulated

Transport hazard class(es)

ADN: ADR: IATA: IMDG: RID:

Packaging group

ADN: ADR: IATA: IMDG: RID:

Environmental hazards

AND: no ADR: no IATA: no IMDG: no RID: no

D O T Classification

Not a DOT controlled material

Air Transport Goods

Marine Transport Goods

Non-Hazardous / Non-Dangerous Classification

Land Transport Goods

IATA Specification

Special Provisions for Transport:

Not applicable

SECTION 15: Regulatory information

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

International Chemical Weapons Convention Neither Banned Nor Restricted

(CWC) Schedules of Toxic Chemicals and

Precursors

REACH - Restrictions on the manufacture,

Neither Banned Nor Restricted

placing on the market and use of certain

dangerous substances, preparations and

articles (Annex XVII)

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 be carried out

SECTION 16: Other Information

Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

CAS no.: Chemical Abstracts Service Number

CLP: Classification, Labelling and Packaging

ECHA: European Chemical Agency

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods
LD50: Median lethal dose
OECD: Organization for Economic Cooperation and Development
PBT: Persistent Bioaccumulative Toxic
REACH: Registration, Evaluation, Authorisation and restriction of Chemicals.
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
RTECS: Registry Of Toxic Effects of Chemical Substances
vPvB: Very Persistent and Very Bioaccumulative

Disclaimer:

The information contained in the technical data sheet is to the best of our knowledge is accurate and true based on the research and development work carried out by **ReadyMED®**, Chaitanya Agro Biotech, Malkapur, Maharashtra. The products are neither intended for any therapeutic use for animal or human nor for any other *in-vivo* applications. The **ReadyMED®** products are only meant to be used for the laboratory, diagnostic, research, or further manufacturing purpose only. These technical outcomes should not be considered as the warranty of any kind expressed or implied, and no liability is accepted for infringement of any patent.



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