



Material Safety Data Sheet

Format no: RDM/MSDS/VRBA-02

Revision: 00 / 2024

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

1.1 Product Identifiers

Product Name

**Violet Red Bile Agar with MUG
(RDM-VRBA-02)**

Product code

Brand

ReadyMED®

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

Identified Uses

Recommended for selective isolation, detection and enumeration of coli-aerogenes bacteria in food and water, milk other dairy food products and clinical samples.

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

Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.

2.2 Label elements

Labelling according to Regulation (EC) No.1272/2008

No need

2.3 Other hazards

No

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Contain Harmful / Irritant material

Chemical name

CAS No.

EC. No.

Concentration

Crystal violet

548-62-9

208-953-6

≥0.001 - ≤ 0.01%

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

No data available

4.3 Indication of any specific or immediate medical treatment needed

No data available

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

Combustible dusts: May form combustible dust concentrations in air.

substance or mixture	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. Avoid contact with skin and eyes.
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. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
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. The selected protective gloves have to satisfy the specifications of EU Directive 2016/425/EEC and the standard EN ISO 374-1/2016 derived from it
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. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of environmental exposure Other information	Do not let product enter drains. 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	Pink-beige coloured powder
b) pH	7.20 - 7.60
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
Hazardous decomposition products formed under fire conditions.	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	Oral LD 50 (Albino Rat) > 2500 mg/kg
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
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	No data available

SECTION 12: Ecological information

12.1 Toxicity	No data available
Component: Crystal violet	Toxicity to bacteria Bacteria EC50: 10-100 mg/l;96 h
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
UN proper shipping name	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.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

International Chemical Weapons Neither Banned Nor Restricted

Convention (CWC) Schedules of Toxic

Chemicals and Precursors

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

15.2 Chemical safety assessment No data available

SECTION 16: Other Information

Abbreviations:

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

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

CAS no.: Chemical Abstracts Service Number

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods

LD50: Median lethal dose

PBT: Persistent Bioaccumulative Toxic

REACH: Registration, Evaluation, Authorisation and restriction of Chemicals.

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

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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