



Material Safety Data Sheet

Format no: RDM/MSDS/K-ZN-01

Revision: 01 / 2024

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

1.1 Product Identifiers

Product Name

ZN Stains Kit (AFB stain)

RDM-K-ZN-01

Brand

ReadyMED®

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

Identified Uses

To differentiate between acid fast and non-acid fast bacteria.

1.3 Details of the supplier of the safety data sheet

Company

CHAITANYA AGRO BIOTECH PVT. LTD.

CIN NO.: U24210MH1995PTC095220S,

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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 significantly Hazardous substances and generally used in laboratories, pharma and chemical industries with GLP. As per Globally Harmonized System of Classification and Labelling of Chemicals (GHS) the material is classified in following category Codes are H226, H314, H318, H351 & H412.

2.2 Label elements



2.3 Other hazards

No significantly Hazardous substances

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Ingredients	Preparation	Risk Phase (Globally Harmonized System of Classification)
Carbol Fuchsin (ZN, Strong)	Basic Fuchsin (CAS: 632-99-5) Ethyl Alcohol (CAS: 64-17-5) Phenol (CAS: 108-95-2)	H226 - Flammable liquid and vapor / 3 H314-Skin Corrosion / 1B H318- Risk of serious damage to eyes / 1 H351-Carcinogenicity / 2 H412- Aquatic Hazard (Long Term) / 3
Acid Fast Decolourizer	Ethyl Alcohol (CAS: 64-17-5) Hydrochloric acid (CAS: 7647-01-0)	H225- Flammable Liquid / 2
Loeffler's Methylene Blue	Ethanol (CAS: 64-17-5) Methanol (CAS (200-659-6)	H226 - Flammable liquid and vapor / 3

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

SECTION 5: Firefighting measures

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.

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

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

Physical state Liquid.

Carbol Fuchsin – Red.

Decolorizer - Colorless.

Methylene Blue- Blue

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability
10.3 Possibility of hazardous reactions
10.4 Conditions to avoid
10.5 Incompatible materials
10.6 Hazardous decomposition products Hazardous decomposition products formed under fire conditions.

Stable under recommended storage conditions.
No data available
No data available
Strong oxidizing agents
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
Skin corrosion/irritation
Serious eye damage/eye irritation
Respiratory or skin sensitisation
Germ cell mutagenicity
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Oral LD 50 (Rat) 2200 mg/kg – Route Oral
May cause skin sensitization.
Hazardous in case of eye contact (irritant)
Hazardous
No data available

SECTION 12: Ecological information

12.1 Toxicity
12.2 Persistence and degradability
12.3 Bio-accumulative potential
12.4 Mobility in soil
12.5 Results of PBT and vPvB assessment

No data available
No data available
No data available
No data available
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
No data available

12.6 Other adverse effects

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.

Dispose of as unused product.

Contaminated packaging

SECTION 14: Transport information

Type of Material
Special precautions for user

Dangerous goods
S16- Keep away from sources of ignition - No smoking.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37- Wear suitable protective clothing and gloves.
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
H225- Highly flammable.
H319- Irritating to eyes.
H320- May cause sensitization by skin contact.
H310- Repeated exposure may cause skin dryness or

Risk

Section 15: 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
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)
Listed substance / Sunset Date

Neither Banned nor Restricted

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

15.2 Chemical safety assessment

includes routine analytics or use as intermediate.

For this product a chemical safety assessment was not carried out

Section 16: Other Information

The information contained in the safety 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.

CHAITANYA AGRO BIOTECH PVT. LTD.

An ISO 11133:2014, ISO 13485:2016, ISO 9001:2015 CE

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