

# Material Safety Data Sheet

Name of the Product Citrate Agar Code No. DM1728

Section 1 : Chemical Identification

Code No. : DM1728 Name of the Product : Citrate Agar

Produced by : Central Drug House Pvt. Ltd.

Address : 7/28 Vardaan House, Darya Ganj, New Delhi (INDIA)

Tel. No. : 00 91 11 49404040

Grams/Litre Section 2 Composition Grams/Litre Ingredients Ingredients 0.50 \*Sodium nitrate 0.50 \*Ammonium sulphate Magnesium sulphate 0.50 Dipotassium phosphate 0.50 \*Calcium chloride 0.20 \*Ferric ammonium citrate 10.00 15.00 Agar Final pH (at 25°C) 6.7±0.1 \* Irritant / Harmful / Oxidising material



CAS No. : 7783-20-2 R : 36/37/38 S : 26-36 RTECS : BS 4500000

Ammonium sulphate

Sodium nitrate



CAS No.: 7631-99-4

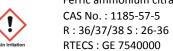
R: 8-22-36/37/38 S: 17-26-27-

36/37/39

RTECS: WC 5600000
Calcium chloride
CAS No.: 10043-52-4



R: 36 S: 22-24 RTECS: EV 9800000 Ferric ammonium citrate



# Section 3

## Hazards Identification



Hazard: This symbol designates substances which may have an irritant effect on skin, eyes and respiratory organs.

Caution: Do not breathe vapours and avoid contact with skin and eyes.



Hazard: Inhalation and ingestion of, or skin penetration by these substances is harmful to one.s health.Non-recurring, recurring or lengthy exposure to these substances may result in irreversible damage.

Caution: Avoid contact with the human body, including inhalation of the vapours and in cases of malaise consult a doctor.



Hazard: Oxidizing substances can ignite combustible material or worsen existing fires and thus make fire-fighting more difficult.

Caution: Keep away from combustible material.

#### Section 4

#### First - Aid Measures

In case of swallowing, wash out mouth with water provided person is conscious. In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. In case of inhalation, remove to fresh air. If breathing becomes difficult, call physician. In case of contact with eyes, wash with copious amounts of water for at least 15 minutes. Assure adequate washing by separating the eyelids with fingers. In serious conditions, call a physician, show the container or label.

## Section 5

#### Fire Fighting Measures

Extinguishing Media. Water spray.

Carbon dioxide, dry chemical powder or appropriate foam. Special fire-fighting procedures. Wear selfcontained breathing apparatus and protective clothing to prevent contact with skin and eyes. Unusual fire and explosions hazards Emits toxic fumes under fire conditions.

# Section 6

### Accidental Release Measures

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7

Handling and Storage



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	Handling - Refer to Section 8 Storage - Store below 30°C
Section 8	Exposure Controls / Personal Protection
	Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.
Section 9	Physical and Chemical Properties
	Appearance : Homogeneous powder
	Colour :Cream to greenish yellow
Section 10	Stability and Reactivity
	Stability: Product is stable if stored as per the conditions specified under storage of Section No. 7. Product loses its
	potency/performance above 45°C.
	Conditions to avoid : Heat and light.
	Decomposition products: If product is decomposed toxic fumes of Carbon monoxide and Carbon dioxide may evolve.
	Hazardous polymerization will not occur.
Section 11	Toxicological Information
	Acute Effects : May be harmful if swallowed.
	Exposure can cause: Stomach pains, vomiting, diarrhoea. Prolonged or repeated exposure may cause allergic reactions in
	certain sensitive individuals.
	RTECS No.: BS 4500000 WC 5600000 EV 9800000 GE 7540000 For complete information RTECS may be referred.
Section 12	Ecological Information
	Data not available
Section 13	Disposal Considerations
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	On completion of work all used or unusable preparations of this product and derivatives thereof are to be disposed off by autoclaving and/or by incineration. Dispose off waste in accordance with all applicable Federal, State and local laws.
Section 14	Transport Information UN No. : Not applicable.
Section 15	Regulatory Information
	Risk Phrases : Irritating to eyes, respiratory system and skin
	Risk Phrases : Contact with combustible material may cause fire
	Risk Phrases : Harmful if swallowed
	Risk Phrases : Irritating to eyes
	Safety Phrases: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	Safety Phrases : Wear suitable protective clothing
	Safety Phrases : Keep away from combustible material
	Safety Phrases : Take off immediately all combustible clothing
	Safety Phrases: Wear suitable protective clothing, gloves and eye/face protection
	Safety Phrases : Do not breathe dust
	Safety Phrases: Avoid contact with skin
	Significance of signs: This symbol designates substances which may have an irritant effect on skin, eyes and respiratory
<b>V</b>	organs.
Skin irritation	Significance of signs: Inhalation and ingestion of, or skin penetration by these substances is harmful to one.s health. Non-
	recurring, recurring or lengthy exposure to these substances may result in irreversible damage.
Skin irritation	Significance of signs: Oxidizing substances can ignite combustible material or worsen existing fires and thus make fire-fighting more difficult.
Section 16	Other Information
Section 16	
Section 16	Other Information  The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely f

user's obligation to investigate and determine the suitability of the information for their particular purpose.