



## MATERIAL SAFETY DATA SHEET

Version Number:- 02

PRODUCT NAME: DEXTROSE ANHYDROUS

CAS Number: 50-99-7

**1. IDENTIFICATION:**

**Product Code** : 91056

**Company Name** : ADVENT CHEMBIO PRIVATE LIMITED

**Address** : W-279, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE,  
NAVI MUMBAI - 400 701, MAHARASHTRA, INDIA.

**E-mail** : [sales@adventchembio.com](mailto:sales@adventchembio.com)

**WEBSITE** : [www.adventchembio.com](http://www.adventchembio.com)

**Company Phone Number** : +91 77770 84837

**2. HAZARDS IDENTIFICATION:**

**Hazard classification** : Not a hazardous substance or mixture according to Regulation

**Physical hazards** : Not a hazardous substance or mixture according to Regulation

**Labels elements** : No hazard pictogram, no signal word, no hazard statement, no precautionary statement required.

**Signal word** : Not a hazardous substance or mixture according to Regulation

**Hazard statement** : Not a hazardous substance or mixture according to Regulation

**Precautionary statement**

**Prevention** : Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
No smoking. Keep container tightly closed. Use only non-sparking tools.

**Response** : IF exposed or concerned: Get medical advice/ attention.  
IF ON SKIN (or hair): Rinse skin with water/ shower.  
IF IN EYES: Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF INHALED: Remove person to fresh air.

**Storage** : Store in a dry & well-ventilated place. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Disposal** : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Other hazards which do not result in GHS classification** : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.  
Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



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Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**3. COMPOSITION/ INFORMATION ON INGRADIENTS:**

| Ingredient         | CAS Number | Percent   | Hazardous |
|--------------------|------------|-----------|-----------|
| Dextrose Anhydrous | 50-99-7    | NLT 97.0% | No        |

**4. FIRST AID MEASURES:**

|  |   |  |
|--|---|--|
| General information  | : | Get medical advice/attention if you feel unwell.   |
| Ingestion  | : | Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. |
| Inhalation   | : | Move to fresh air.   |
| Skin contact   | : | Flush with plenty of water for at least 15 minutes.  |
| Eye contact  | : | Flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.                                  |
| Most important symptoms/effects, acute and delayed                     | : | The most important known symptoms and effects are described in the labelling.  |
| Indication of immediate medical attention and special treatment needed | : | No data available.   |

**5. FIRE FIGHTING MEASURES:****General information****Suitable (and unsuitable) extinguishing media**

|  |   |  |
|--|---|--|
| Suitable extinguishing media   | : | Water, Foam, Carbon dioxide (CO2), Dry powder  |
| Unsuitable extinguishing media                                       | : | For this substance/mixture no limitations of extinguishing agents are given.   |
| Specific hazards arising from the chemical                           | : | Carbon oxides, Combustible.<br>Development of hazardous combustion gases or vapours possible in the event of fire.   |
| <b>Special protective equipment and precautions for firefighters</b> |   |  |
| Special firefighting procedures                                      | : | Fight fire from a protected location. Move containers from fire area if you can do so without risk.  |
| Special protective equipment for fire-fighters                       | : | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. |



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**6. ACCIDENTAL RELEASE MEASURES:**

|  |   |  |
|--|---|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | : | Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. Keep unauthorized personnel away.    |
| <b>Methods and material for containment and cleaning up</b>                | : | Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts. |
| <b>Notification Procedures</b>   | : | Prevent entry into waterways, sewer, basements or confined areas.  |
| <b>Environmental precautions</b>   | : | Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.                |

**7. HANDLING AND STORAGE:**

|   |   |  |
|---|---|--|
| <b>Precautions for safe handling</b>                                | : | Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/ face protection. Avoid contact with eyes, skin, and clothing. Do not breathe mist or vapor. Use only with adequate ventilation. Wash hands thoroughly after handling. |
| <b>Conditions for safe storage, including any incompatibilities</b> | : | Keep away from food, drink and animal feeding stuffs. Keep container tightly closed in a dry, well-ventilated place.   |

**8. EXPOSURE CONTROLS PERSONAL PROTECTION:**

**Appropriate engineering controls**

: No data available

**Individual protection measures, such as personal protective equipment**

|                               |   |   |
|-------------------------------|---|---|
| <b>General information</b>    | : | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.  |
| <b>Eye/face protection</b>    | : | Wear safety glasses with side shields (or goggles).   |
| <b>Hand protection</b>        | : | Chemical resistant gloves.  |
| <b>Other</b>                  | : | Wear suitable protective clothing.  |
| <b>Respiratory protection</b> | : | Required when dusts are generated.<br>Recommended Filter type: Filter type P1   |
| <b>Hygiene measures</b>       | : | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower. Avoid contact with eyes, skin, and clothing. |



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**9. PHYSICAL AND CHEMICAL PROPERTIES:**

|                                   |   |
|-----------------------------------|---|
| Appearance                        | : White or almost white crystalline powder. |
| Odor                              | : Odorless                                  |
| Solubility                        | : Soluble in water.                         |
| Formula                           | : $C_6H_{12}O_6$                            |
| Molecular Weight                  | : 180.16 g/mol                              |
| Density                           | : No data available                         |
| pH                                | : NLT 5.8                                   |
| % Volatiles by volume @ 21C (70F) | : No data available                         |
| Boiling Point                     | : No data available                         |
| Melting Point                     | : 145.0 - 150.0°C                           |
| Flash Point                       | : No data available                         |
| Vapor Density (Air=1)             | : No data available                         |
| Vapor Pressure (mm Hg)            | : No data available                         |
| Evaporation Rate (BuAc=1)         | : No data available                         |

**10. STABILITY AND REACTIVITY:**

|                                    |   |
|------------------------------------|---|
| Reactivity                         | The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed. |
| Chemical stability                 | : Material is stable under ambient conditions..   |
| Possibility of hazardous reactions | : Exothermic reaction with: halogenates, nitrates, permanganates.<br>Violent reactions possible with: Strong oxidizing agents   |
| Conditions to avoid                | : No data available   |
| Incompatible materials             | : No data available   |
| Hazardous decomposition products   | : In the event of fire: see section 5   |



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**11. TOXICOLOGICAL INFORMATION:**

## Information on toxicological effects

## Acute toxicity (list all possible routes of exposure)

Oral Product : LD 50 Oral - Rat - 25.800 mg/kg  
Remarks: Behavioral:Coma.

Dermal Product : No data available

Inhalation Product : No data available

Repeated dose toxicity Product : No data available.

Skin corrosion/irritation Product : No data available.

Serious eye damage/eye irritation Product : No data available.

Respiratory or skin sensitization Product : No data available.

Carcinogenicity Product : No data available.

Germ cell mutagenicity : No data available.

Reproductive toxicity Product : No data available.

Specific target organ toxicity - single exposure Product : No data available.

Specific target organ toxicity - repeated exposure Product : No data available.

Aspiration hazard Product : No data available.

Other effects : No data available.

**12. ECOLOGICAL INFORMATION:**

## Ecotoxicity

## Acute hazards to the aquatic environment

Fish Product : No data available.

Toxicity to daphnia and other aquatic invertebrates : No data available.

## Chronic hazards to the aquatic environment

Toxicity to daphnia and other aquatic invertebrates : No data available.

## Persistence and degradability



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|   |   |
|---|---|
| Biodegradation Product                                    | : No data available.                              |
| BOD/COD ratio Product                                     | : No data available.                              |
| Bioaccumulative potential                                 |   |
| Bioconcentration factor (BCF) Product                     | : No data available on bioaccumulation.           |
| Partition coefficient n-octanol / water (log Kow) Product | : No data available.                              |
| Mobility in soil  | : No data available.                              |
| Other adverse effects                                     | : Discharge into the environment must be avoided. |

## 13. DISPOSAL CONSIDERATION:

|                        |  |
|------------------------|--|
| Disposal instructions  | : Discharge, treatment, or disposal may be subject to national, state, or local laws. Disposal recommendations are based on uncontaminated material. |
| Contaminated packaging | : Since emptied containers retain product residue, follow label warnings even after container is emptied.  |

## 14. TRANSPORT INFORMATION:

|         | UN No. | UN proper shipping name | Hazard Class(es) | Packaging group     | Marine Pollutant |
|---------|--------|-------------------------|------------------|---------------------|------------------|
| ADR/RID | NA     | Dextrose Anhydrous      |                  | Not dangerous goods |                  |
| IMDG    | NA     | Dextrose Anhydrous      |                  | Not dangerous goods |                  |
| IATA    | NA     | Dextrose Anhydrous      |                  | Not dangerous goods |                  |

## 15. REGULATORY INFORMATION:

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.  
Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

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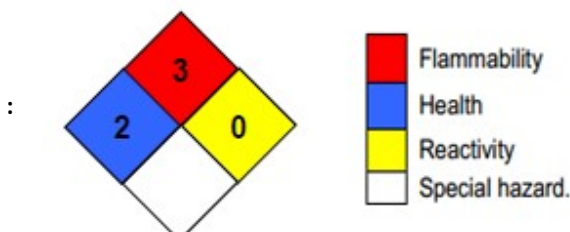
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## 16. OTHER INFORMATION:

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

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