

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1	Product identifiers Product Name: (2R,2'R,3S,3'S,4S,4'S,5R,5'R,6R,6'R)-6,6'-Oxybis(2-(hydroxymethyl)tetrahydro-2H-pyran- 3,4,5-triol)(D-(+)-Trehalose Anhydrous)										
	CAS Number: Catalog Numbers:	99-20-7 A201057		reed							
1.2	Relevant identified uses of the substance or mixture and uses advised against Identified uses: For laboratory research purposes.Not for drug or household use.										
1.3	Details of the supplier of the safety data sheet Ambeed, Inc. 3205 N WILKE RD, STE 3205-125, Arlington Hts, IL 60004, USA Tel: 630-580-1088 E-mail: sales@ambeed.com Emergency telephone number										
1.4	Emergency telephone number Emergency phone (USA): 1-352-323-3500 Emergency phone (Canada): 1-800-535-5053										
2.	HAZARDS IDENTIFICATION										
2.1	Classification of the substance or mixture GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) Acute toxicity, oral(Category 4) H302 No Resource File										
2.2	GHS Label elements Pictogra	s, including pre	cautionary statements	5							
	Signal word:		Warning	aced							
	Hazard statement(s) H302		Harmful if swallo	wed							
	Precautionary staten P280	nent(s)	Wear protective	gloves/protec	ctive clothing/eye protection/face						
	P305+P351+P338	protection. IF IN EYES: Rinse cautiously with water for several minutes. Re contact lenses, if present and easy to do. Continue rinsing.									
2.3	Other hazards Additional precautionary phrases are located throughout the safety data sheet.										
3.	COMPOSITION, INFORMATION ON INGREDIENTS										
3.1	Molecular Formula:C12H22O11Molecular Weight:342.2965										
	Component		AIAM		Concentration						
	(2R,2'R,3S,3'S,4S,4'S,5R,5'R,6R,6'R)-6,6'-Oxybis(2-(hydroxymethyl)tetrahydro-2H-pyran-3,4,5-triol)										
	CAS Number		99-20-7		-						

Product Url: www.ambeed.com/products/99-20-7.html

For Research Use Only!

630-580-1088

Sales@ambeed.com

ntering www.ambeed.com

1

3205 N WILKE Rd, STE 3205-125, Arlington Hts, IL 60004, USA

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: alcohol-resistant foam, dry chemical or carbon dioxide Unsuitable extinguishing media: no data AmBeed

5.2 Special hazards arising from the substance or mixture

In combustion toxic fumes may form.

5.3 Advice for firefighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

ACCIDENTAL RELEASE MEASURES 6.

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Do not attempt to take action without suitable protective clothing. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains or river. Alert the neighbourhood to the presence of fumes or gas.

Methods and materials for containment and cleaning up 6.3

Product Url: www.ambeed.com/products/99-20-7.html

For Research Use Only !

630-580-1088 630-581-0788 Sales@ambeed.com

🔘 3205 N WILKE Rd, STE 3205-125, Arlington Hts, IL 60004, USA



Reference www.ambeed.com



Mix with sand or vermiculite. Sweep up and shovel. Transfer to a closable, labelled salvage container for MAMBeed disposal by an appropriate method.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Wash hands thoroughly after handling. Ensure there is sufficient ventilation of the area.

Normal measures for preventive fire protection. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated area. Containers which are opened must be carefully resealed and kept upright to prevent leakage.Inert atmosphere,Room Temperature

7.3 Specific end use(s)

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

EXPOSURE CONTROLS, PERSONAL PROTECTION 8.

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

AmBei Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the AmBee end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

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.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

630-580-1088

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Sales@ambeed.com

Control of environmental exposure

Product Url: www.ambeed.com/products/99-20-7.html

For Research Use Only!





🔘 3205 N WILKE Rd, STE 3205-125, Arlington Hts, IL 60004, USA

630-581-0788



Do not let product enter drains.

PHYSICAL AND CHEMICAL PROPERTIES 9.

Appearance **Boiling Point** Melting Point Odour Odour Threshold pН Flash point Evapouration rate Vapour pressure Vapor Density Relative density VAmBe Solubility in water Auto-ignition temperature Decomposition temperature Viscosity No Data Explosive properties Oxidizing properties

Form: Crystal - Powder / Colour: White - Almost white No data available No data available

MAMBer

10. STABILITY AND REACTIVITY

10.1 Reactivity

- Stable under recommended storage conditions. Provide Ambridge Stable under recommended storage conditions. Provide Ambridge Stable Under Stable Unde 10.2 Chemical stability
- 10.3 Possibility of hazardous reactions No data available
- 10.4 Conditions to avoid Not data available
- 10.5 Incompatible materials Strong oxidizing agents
- 10.6 Hazardous decomposition products Carbon monoxide, carbon dioxide

11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects
 - Acute Toxicity Skin corrosion/irritation Serious eye Damage/irritation Respiratory or skin sensitisation Germ Cell mutagenicity Carcinogenicity

No data available No data available

Product Url: www.ambeed.com/products/99-20-7.html

630-580-1088

630-581-0788

Sales@ambeed.com

🔘 3205 N WILKE Rd, STE 3205-125, Arlington Hts, IL 60004, USA



Reg www.ambeed.com

For Research Use Only!

AnBe



Reproductive toxicity STOT-single exposure STOT-repeated exposure Aspiration hazard

No data available No data available No data available No data available

11.2 Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

- 12.2 Persistence and degradability No data available
- 12.3 Bioaccumulative potential No data available
- 12.4 Mobility in soil No data available
- 12.5 Results of PBT and vPvB assessment No data available
- 12.6 Other adverse effects No data available
- DISPOSAL CONSIDERATIONS 13.

13.1 Waste treatment methods

Disposal Operations

AmBeed Consult state, local or national regulations for proper disposal. Hand over to authorised disposal company as hazardous waste.

Disposal of Packaging

Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

	Disposal must be made according	- 01							
14.	TRANSPORT INFORMATION			PriAm					
14.1	UN number								
	ADR/RID: -	IMDG: -		IATA: -					
14.2	UN proper shipping name	MILL							
	ADR/RID: Not dangerous goods								
	IMDG: Not dangerous goods								
	IATA: Not dangerous goods								
14.3	Transport hazard class(es)								
	ADR/RID: -	IMDG: -		IATA: -					
14.4	Packaging group								
	ADR/RID: -	IMDG: -		IATA: -					
Pro	duct Url: www.ambeed.com/products/99-	20-7.html			For	r Research Use	• Only !		
G	630-580-1088 🕒 630-581-0	788 🛛 🛛 sales@a	ambeed.com	🗨 www.amb	eed.com				
③ 3205 N WILKE Rd, STE 3205-125, Arlington Hts, IL 60004, USA Page 5 of 6									



- 14.5 Environmental hazards ADR/RID: -
- 14.6 Special precautions for user

No special precautions required

14.7 Further information

No data available

15. REGULATORY INFORMATION

This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

IMDG

California Proposition 65

Not listed on California's listing of known or potential carcinogens.

U.S. Federal Regulations

SARA 313: Not applicable

SARA 302: Not applicable

SARA 311/312 Hazard Categories: See section 2 for more information

Safety Assessment

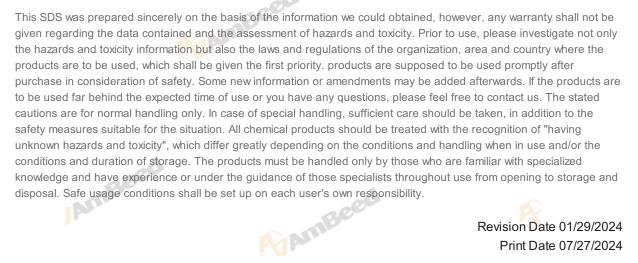
No Chemical Safety Assessment

16. OTHER INFORMATION

The reference company name of written contents

Company: Ambeed, Inc.

Tel:630-580-1088 Fax: 630-581-0788 E-mail:sales@ambeed.com Address: 3205 N WILKE RD, STE 3205-125, Arlington Hts, IL 60004, USA



Sales@ambeed.com

AmBe

Revision Date 01/29/2024 Print Date 07/27/2024

MAMBer

Product Url: www.ambeed.com/products/99-20-7.html

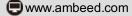
630-580-1088

For Research Use Only !

IATA: -

AmBeed

630-581-0788 3205 N WILKE Rd, STE 3205-125, Arlington Hts, IL 60004, USA



Page 6 of 6