

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
GB/T 16483-2008, GB/T 17519-2013

Product Name Corning® HBSS (Hanks Balanced Salt Solution), 1x [-] calcium, magnesium
Revision date 30-Jun-2025
Version 1
(M)SDS Number 21-021-CV

1. Identification

Product identifier

Product Name Corning® HBSS (Hanks Balanced Salt Solution), 1x [-] calcium, magnesium

Other means of identification

Product Code(s) 21-021-CV

Pure substance/mixture Mixture

Details of the supplier of the safety data sheet

<u>Company Name</u>	<u>Importer</u>	<u>Supplier</u>
Mediatech Inc., A Corning Subsidiary 9345 Discovery Blvd. Manassas, VA 20109 USA (978) 442-2200	Corning Life Sciences(Wujiang) Co.,Ltd. No.T03/17 Building No.1801 Pang Jin Rd. Wujiang Economic Development Zone Jiangsu Province, 215200 China +86 (0) 512 63196501	Corning Life Sciences(Wujiang) Co.,Ltd. No.T03/17 Building No.1801 Pang Jin Rd. Wujiang Economic Development Zone Jiangsu Province, 215200 China +86 (0) 512 63196501

E-mail address ScientificSupport@corning.com

Emergency telephone number

Chemtrec: +1-800-424-9300 (USA)
+1-703-527-3887 (International; Call collect)
4001-204935 (China)

Recommended use of the chemical and restrictions on use

Recommended Use For research use only. Not Intended for Diagnostic or Therapeutic Use

Restrictions on use No information available

2. Hazard(s) identification

Emergency Overview

No significant adverse health effects

Appearance No information available	Physical state Liquid	Odor No data available
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Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS) Not classified

Label elements

Hazard statements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS) Not classified

Physical and chemical hazards

Not applicable.

Health hazards

Immediate Health Effects: Not applicable.

Chronic effects: Not applicable.

Environmental hazards

Not applicable

Other hazards which do not result in classification

No information available.

3. Composition/information on ingredients**Substance**

Not applicable.

Mixture

The product contains no substances which at their given concentration, are considered to be hazardous to health

4. First-aid measures**Description of necessary first aid measures**

Most important symptoms/effects, acute and delayed No information available.

For emergency responders No information available.

Note to physicians Treat symptomatically.

5. Fire-fighting measures**Extinguishing media**

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Special exposure hazards in a fire No information available.

Protective equipment and precautions for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures****For emergency responders**

Use personal protection recommended in Section 8.

Environmental precautions

See Section 12 for additional Ecological Information.

Precautions to prevent secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

See section 8 for more information. See section 13 for more information.

7. Handling and storage**Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. See Section 8 for information on appropriate personal protective equipment.

Incompatible materials

None known based on information supplied.

8. Exposure controls/personal protection**Occupational exposure limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Note

See section 16 for terms and abbreviations

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Monitoring and observation processes

No applicable information was found.

Engineering controls

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment**Eye/face protection**

No special protective equipment required.

Skin and body protection

No special protective equipment required.

Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	
Color	No information available
Physical state	Liquid
Odor	No information available
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	~ 7.2	None known
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Relative vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

Additional information

Explosive properties	No information available
Oxidizing properties	No information available
VOC content	0.00297619053162634
Particle characteristics	

10. Stability and reactivity

Stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid None known based on information supplied.

Incompatible materials None known based on information supplied.

Hazardous Decomposition Products No information available.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	No information available.
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Acute toxicity**Numerical measures of toxicity**

No information available

The following ATE values have been calculated for the mixture

ATEmix (oral)	99,999.00	mg/kg
ATEmix (dermal)	99,999.00	mg/kg
ATEmix (inhalation-gas)	99,999.00	ppm
ATEmix (inhalation-dust/mist)	99,999.00	mg/l
ATEmix (inhalation-vapor)	99,999.00	mg/l

Skin corrosion/irritation	No information available.
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Serious eye damage/eye irritation	No information available.
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Respiratory or skin sensitization	No information available.
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Germ cell mutagenicity	No information available.
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Carcinogenicity	No information available.
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Reproductive toxicity	No information available.
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Specific target organ toxicity (single exposure)	No information available.
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Specific target organ toxicity (repeated exposure)	No information available.
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Aspiration hazard	No information available.
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12. Ecological information**Ecotoxicity**

Persistence and degradability No information available.

Bioaccumulative potential There is no data for this product

Mobility in soil No information available.

13. Disposal considerations

Waste chemicals Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. Transport information

JT/T 617 Not regulated

IMDG Not regulated
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

IATA Not regulated

Special precautions for user

Please refer to the applicable dangerous goods regulations for additional information

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Law of the People's Republic of China on Prevention and Control of Occupational Diseases

Catalog of occupational hazard factors:	Not applicable.
Catalog of occupational diseases:	Not applicable.

Regulations on the Control over Safety of Hazardous Chemicals

<u>Catalog of Hazardous Chemicals</u>	Not applicable.
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<u>GB 18218-2018 Identification of major hazard installations for dangerous chemicals</u>	Not applicable
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List of hazardous chemicals under priority management	Not applicable
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Regulations on Labor Protection in Workplaces Where Toxic Substances Are Used

Inventory of highly toxic goods	Not applicable
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Regulations for Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals

List of toxic chemicals severely restricted for import and export in China	Not applicable
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Measures for the Environmental Management of New Chemical Substances**IECSC - China Inventory of Existing Chemical Substances** Contact supplier for inventory compliance status.**International Regulations****The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable**The Stockholm Convention on Persistent Organic Pollutants** Not applicable**The Rotterdam Convention** Not applicable**16. Other information****Revision date** 30-Jun-2025**Revision Note****Abbreviations and acronyms****Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation
C	Carcinogen		

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

China SDS version information - CGHS

UL release:
GHS Revision 4
2022 Q1

China

Full process, including GHS and Transportation Wizards