Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product No.:	Product name:	Common name(s), synonym(s)
261203	Catalase Test	No data available

Recommended restrictions

Recommended use: Scientific and industrial laboratory use. For In Vitro Diagnostic Use.

Restrictions on use: None known.

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name: BD, Integrated Diagnostic Solutions

Address: 7 Loveton Circle
Sparks, MD 21152
USA

Telephone: 1 844 823 5433

Fax: not available

Contact Person: Business Unit Product Stewardship Team

E-mail: IDS_SDS@bd.com

Emergency telephone number: CHEMTREC 1 800 424 9300

2. Hazard(s) identification

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Hazard Classification

Health Hazards

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 1

Label Elements

Hazard Symbol:



Signal Word: Danger

Hazard Statement:
H315: Causes skin irritation.
H318: Causes serious eye damage.

Precautionary Statements

Prevention:
P264: Wash face, hands and any exposed skin thoroughly after handling.
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362: Take off contaminated clothing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor.

Disposal:
P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Other hazards which do not result in GHS classification: None.

3. Composition/information on ingredients

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Hydrogen peroxide	No data available.	7722-84-1	3%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Description of first aid measures

General information: Causes skin irritation. Causes serious eye damage.

Inhalation: Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.

Skin Contact: Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Ingestion: DO NOT induce vomiting. Get medical attention immediately.

Personal Protection for First-aid Responders: No data available.

Most important symptoms and effects, both acute and delayed

Symptoms: Symptoms may be delayed.

Hazards: Causes skin irritation. Causes serious eye damage.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5. Fire-fighting measures

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

General Fire Hazards:	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water to keep fire exposed containers cool and disperse vapors.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Water spray, foam, dry powder or carbon dioxide. Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Avoid water in straight hose stream; will scatter and spread fire.
Special hazards arising from the substance or mixture:	Fire or excessive heat may produce hazardous decomposition products.

Special protective equipment and precautions for fire-fighters

Special fire-fighting procedures:	No unusual fire or explosion hazards noted.
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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Contact local authorities in case of spillage to drain/aquatic environment. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.
Accidental release measures:	No data available.
Methods and material for containment and cleaning up:	Absorb spillage with suitable absorbent material. Prevent runoff from entering drains, sewers, or streams. See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Environmental Precautions: Avoid release to the environment.

7. Handling and storage

Handling

Technical measures: No data available.

Local/Total ventilation: No data available.

Safe handling advice: When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.

Contact avoidance measures: No data available.

Storage

Safe storage conditions: Store in a cool, dry place. Keep container tightly closed. Keep from contact with oxidizing materials.

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control ParametersOccupational Exposure Limits

Components	Type	Form of exposure	Exposure Limit Values		Source
Hydrogen peroxide	TWA		1 ppm	1.4 mg/m3	OSHA Z1A (1989)
	TWA		1 ppm	1.4	TN OEL (06 2008)

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

				mg/m3	
	AN ESL			1.4 µg/m3	TX ESL (12 2010)
	ST ESL			10 ppb	TX ESL (12 2010)
	ST ESL			14 µg/m3	TX ESL (12 2010)
	AN ESL			1 ppb	TX ESL (12 2010)
	TWA PEL	- as H2O2	1 ppm	1.4 mg/m3	US CA OEL (08 2010)
	TWA		1 ppm		ACGIH (12 2010)
	REL		1 ppm	1.4 mg/m3	NIOSH (2005)
	PEL		1 ppm	1.4 mg/m3	OSHA Z1 (02 2006)
	IDLH		75 ppm		NIOSH IDLH (10 2017)

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls No special requirements under ordinary conditions of use and with adequate ventilation.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin Protection

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Hand Protection:	Material: Chemical resistant gloves Additional Information: Wash hands after contact.Material: Suitable gloves can be recommended by the glove supplier.
Skin and Body Protection:	Wear a lab coat or similar protective clothing.
Respiratory Protection:	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Hygiene measures:	Observe good industrial hygiene practices.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	According to product specification.
Odor:	Characteristic
Odor Threshold:	No data available.
Freezing point:	No data available.
Boiling Point:	No data available.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Flammability:	No data available.
Upper/lower limit on flammability or explosive limits	
Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Flash Point:	Not applicable
Auto-ignition temperature:	No data available.
Decomposition Temperature:	No data available.
pH:	No data available.
Viscosity	
Dynamic viscosity:	Not determined.
Kinematic viscosity:	Not determined.
Flow Time:	No data available.
Solubility(ies)	
Solubility in Water:	Completely Soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Vapor pressure:	No data available.
Relative density:	No data available.
Density:	No data available.
Bulk density:	No data available.
Relative vapor density:	No data available.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Particle characteristics

Particle Size:	No data available.
Particle Size Distribution:	No data available.
Specific surface area:	No data available.
Surface charge/Zeta potential:	No data available.
Shape:	No data available.
Crystallinity:	No data available.
Surface treatment:	No data available.

Other information

Metal Corrosion:	Non-corrosive per US Department of Transportation testing protocol.

10. Stability and reactivity

Reactivity:	Material is stable under normal conditions.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Material is stable under normal conditions.
Conditions to avoid:	Avoid exposure to high temperatures or direct sunlight.
Incompatible Materials:	Water reactive material. Metals. Avoid contact with oxidizers or reducing agents. Avoid contact with acids.
Hazardous Decomposition Products:	No data available.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

11. Toxicological information

General information: Prolonged exposure to the preparation may cause serious health effects.

Information on likely routes of exposure

Inhalation: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin Contact: Skin irritation.

Eye contact: Risk of serious damage to eyes.

Ingestion: Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No specific symptoms noted.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No specific symptoms noted.

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix, 16,666.67 mg/kg

Components:

Hydrogen peroxide No data available.

Dermal

Product: No data available.

Components:

Hydrogen peroxide No data available.

Inhalation

Product: No data available.

Components:

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Hydrogen peroxide	No data available.

Repeated dose toxicity

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Skin Corrosion/Irritation

Product:	Irritating to skin.
Components:	
Hydrogen peroxide	No data available.

Serious Eye Damage/Eye Irritation

Product:	Risk of serious damage to eyes.
Components:	
Hydrogen peroxide	No data available.

Respiratory or Skin Sensitization

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Carcinogenicity

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

ACGIH: US.ACGIH Threshold Limit Values:

No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens

No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

In vivo

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Reproductive toxicity

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Specific Target Organ Toxicity - Single Exposure

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Aspiration Hazard

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Information on health hazards

Other hazards

Product:	No data available.

12. Ecological information

General information:

Ecotoxicity:

Toxicity to Aquatic Plants

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Toxicity to microorganisms

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Acute hazards to the aquatic environment:

Fish

Product:	No data available.
Components:	
Hydrogen peroxide	LC 50, Pimephales promelas, 96 h, 16.4 mg/lsemi-static, Experimental result, Key study NOAEL, Pimephales promelas, 96 h, 5 mg/lsemi-static, Experimental result, Key study

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Aquatic Invertebrates

Product:	No data available.
Components:	
Hydrogen peroxide	EC 50, Physa sp., 96 h, 17.7 mg/l, Not specified, Supporting study LC 100, Lepeophtheirus salmonis, 20 min, 1,250 mg/l, Not specified, Supporting study EC 100, Dreissena polymorpha, 672 h, 20 mg/l, Not specified, Supporting study

Chronic hazards to the aquatic environment:

Fish

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Aquatic Invertebrates

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Persistence and Degradability

Biodegradation

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

BOD/COD Ratio

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Partition Coefficient n-octanol / water (log Kow)

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Mobility in soil:

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Results of PBT and vPvB assessment:

Product:	No data available.
Components:	
Hydrogen peroxide	No data available.

Other adverse effects:

Other hazards

Product:	None known.

13. Disposal considerations

General information:	This material and its container must be disposed of as hazardous waste. Dispose of waste and residues in accordance with local authority requirements.
Disposal methods:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	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.

14. Transport information

DOTUN number or ID number:	Not Regulated.
UN Proper Shipping Name:	Not Regulated.
Transport Hazard Class(es)	
Class:	Not Regulated.
Label(s):	Not Regulated.
Packing Group:	Not Regulated.
Marine Pollutant:	Not Regulated.
Limited quantity	Not Regulated.
Excepted quantity	Not Regulated.
Special precautions for user:	Not Regulated.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

IMDG

UN number or ID number:	Not Regulated.
UN Proper Shipping Name:	Not Regulated.
Transport Hazard Class(es)	
Class:	Not Regulated.
Subsidiary risk:	Not Regulated.
EmS No.:	Not Regulated.
Packing Group:	Not Regulated.
Environmental Hazards	
Marine Pollutant:	Not Regulated.
Special precautions for user:	Not Regulated.

IATA

UN number or ID number:	Not Regulated.
Proper Shipping Name:	Not Regulated.
Transport Hazard Class(es):	
Class:	Not Regulated.
Subsidiary risk:	Not Regulated.
Packing Group:	Not Regulated.
Environmental Hazards	
Marine pollutant:	Not Regulated.
Special precautions for user:	Not Regulated.

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Skin Corrosion or Irritation, Serious eye damage or eye irritation

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

None present or none present in regulated quantities.

US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

International regulations

Montreal protocol
Not applicable

Stockholm convention
Not applicable

Rotterdam convention
Not applicable

Kyoto protocol
Not applicable

16.Other information, including date of preparation or last revision

Version #:	2.4
Revision Date:	02/19/2026
Date of first report version:	04/19/2014

Abbreviations and acronyms:

ACGIH:	US. ACGIH Threshold Limit Values, as amended
NIOSH IDLH:	US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended
NIOSH/GUIDE:	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
OSHA_TRANS:	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
TN OEL:	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended
TX ESL:	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
US CA OEL:	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended
Z1A:	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
ACGIH / TWA:	Time Weighted Average (TWA):
NIOSH IDLH / IDLH:	Immediately dangerous to life or health (IDLH) concentration:

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

NIOSH/GUIDE / REL:	Recommended exposure limit (REL):
OSHA_TRANS / PEL:	Permissible exposure limit:
TN OEL / TWA:	Time Weighted Average (TWA):
TX ESL / ST ESL:	Short-Term ESL:
TX ESL / AN ESL:	Annual ESL:
US CA OEL / TWA PEL:	Time Weighted Average (TWA) Permissible Exposure Limit (PEL):
Z1A / TWA:	Time Weighted Average (TWA):

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Source of information: European Chemicals Agency (ECHA): Information on Chemicals.

Becton, Dickinson and Company
BD, Franklin Lakes, NJ
07417 USA
www.bd.com

Further Information: No data available.

Disclaimer:

Disclaimer:
The information contained herein has been obtained from various sources and is believed to be correct as of the date issued. However, neither BD nor any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability for a particular use of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. BD provides SDS in electronic form so the information may be more easily accessed. Due to the possibility of errors during transmission, BD makes no representations as to the completeness or accuracy of the information.