



SOUTH COVE COMMUNITY HEALTH CENTER
435 Hancock St
NORTH QUINCY MA 02171
USA

Bio-Rad Laboratories, Inc. is a global company committed to operating its business in a responsible and sustainable way that reduces its impact on the environment.

Paper Safety Data Sheet (SDS) have become a rarity in many organizations and the use of electronic SDS (eSDS) databases have proven to be more accessible, operational, and greatly simplify distribution. As part of our continuing effort to meet our customers' needs and reduce environmental impacts, we are offering paperless options for receiving a Safety Data Sheet (SDS). By transitioning to paperless delivery of our safety data sheets, we reduce our reliance on natural resources, saving trees, water, and energy.

Effective (date 2023-08-01) Bio-Rad Laboratories will provide automatically, by email, an SDS.

For accurate distribution of Bio-Rad's eSDS; please confirm your email SDS contact information with your local Customer Care representative and update, if necessary. Please refer to Section 1 of the SDS for your Customer Care contact information. If you wish to receive SDS by mail, please confirm a current SDS contact and mailing address with your Customer Care representative.

To continue to meet our customer SDS's needs, Bio-Rad's SDS can be downloaded from www.bio-rad.com website, at any time.

If you have already selected to receive eSDS distribution, feel free to ignore this notification.

Thank you for your continued business.

Global Environmental Health and Safety
Bio-Rad Laboratories

KIT SAFETY DATA SHEET



Kit Product Name qUnify Advance Control
Kit Catalog Number(s) 12007028, 12007029
Revision date 07-Jul-2026

Kit Contents	
Catalog Number(s)	Product Name
	qUnify Advance Control, Level 1
	qUnify Advance Control, Level 2



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of
US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200)

Revision date 07-Jul-2026

Revision Number 1

1. Identification

Product identifier

Product Name qUnify Advance Control, Level 1

Other means of identification

Recommended use of the chemical and restrictions on use

Recommended use

In vitro diagnostic

Restrictions on use

No information available

Details of the supplier of the safety data sheet

Corporate Headquarters
Bio-Rad Laboratories Inc.
1000 Alfred Nobel Drive
Hercules, CA 94547
USA

Manufacturer Address
Bio-Rad Laboratories Inc.
9500 Jeronimo Road
Irvine, California 92618
USA

Legal Entity / Contact Address
Bio-Rad Laboratories Inc.
9500 Jeronimo Road
Irvine, California 92618
USA

Technical Service

1(800) 854-6737
qed.techservice@bio-rad.com

Emergency telephone number

24 Hour Emergency Phone Number CHEMTREC USA: 1 (800) 424-9300

2. Hazard(s) identification

Classification of the substance or mixture

Skin sensitization

Category 1

Hazards not otherwise classified (HNOC)

Not applicable

Label elements



Warning

Hazard statements

May cause an allergic skin reaction.

Precautionary Statements - Prevention

Wear protective gloves, protective clothing, eye protection and face protection.

Biological occupational exposure limits

This product, as supplied, contains materials that do not have reportable biological exposure limits or are not subject to the reporting requirements of the local jurisdiction.

Appropriate engineering controls

Engineering controls

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eyeface protection

Wear safety glasses with side shields (or goggles).

Hand protection

Wear suitable gloves.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

Use appropriate respiratory protection.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance Clear to slightly cloudy
Physical state Liquid
Color yellow
Odor (includes odor threshold) Odorless

Property Values • Method

pH 5.0-6.0
Melting point / freezing point No data available
Initial boiling point and boiling range No data available
Flash point No data available
Evaporation rate No data available
Flammability No data available
Flammability Limit in Air No data available
Upper flammability or explosive limits No data available
Lower flammability or explosive limits No data available

Vapor pressure No data available
Relative vapor density No data available
Relative density No data available
Water solubility Miscible in water
Solubility(ies) No data available
Partition coefficient No data available
Autoignition temperature No data available
Decomposition temperature No data available
Kinematic viscosity No data available
Dynamic viscosity No data available

Other information

10. Stability and reactivity

Reactivity

No information available.

Chemical 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

None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation

Specific test data for the substance or mixture is not available.

Eye contact

Specific test data for the substance or mixture is not available.

Skin contact

May cause sensitization by skin contact
Specific test data for the substance or mixture is not available
Repeated or prolonged skin contact may cause allergic reactions with susceptible persons (based on components).

Ingestion

Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms

Itching. Rashes. Hives.

Acute toxicity

No information available.

Numerical measures of toxicity

The following ATE values have been calculated for the mixture
ATEmix (oral) 513,393.90 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	= 53 mg/kg (Rat)	= 87.12 mg/kg (Rabbit)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation

No information available.

Serious eye damage/eye irritation

No information available.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

16. Other information

NFPA	Health hazards	2	Flammability	0	Instability	0	Special hazards
HMIS	Health hazards	2	Flammability	0	Physical hazards	0	Personal protection
Key or legend to abbreviations and acronyms used in the safety data sheet							
Legend							
ADN	Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)						
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)						
ATE	Acute Toxicity Estimate						
ASTM	American Society for the Testing of Materials						
BEL	Biological exposure limits						
bw	Body weight						
Ceiling	Maximum limit value						
CMR	Carcinogen, Mutagen or Reproductive Toxicant						
DOT	Department of Transportation (United States)						
Ems	Emergency Schedule						
EPA	U.S. Environmental Protection Agency						
GHS	Globally Harmonized System						
HMIS	Hazardous Materials Identification System						
IATA	International Air Transport Association						
ICAO	International Civil Aviation Organization						
IMDG	International Maritime Dangerous Goods						
IMO	International Maritime Organization						
ISO	International Organization for Standardization						
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						
NFPA	National Fire Protection Association						
NIOSH	National Institute for Occupational Safety and Health						
n.o.s.	Not Otherwise Specified						
NOAEL	No Observed Adverse Effect Level						
OECD	Organization for Economic Cooperation and Development						
OEL	Occupational exposure limits						
OSHA	Occupational Safety and Health Administration of the US Department of Labor						
PBT	Persistent, Bioaccumulative and Toxic substance						
PMT	Persistent, Mobile and Toxic						
PPE	Personal protective equipment						
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)						
SARA	Superfund Amendments and Reauthorization Act						
SDS	Safety Data Sheet						
STEL	Short Term Exposure Limit						
STOT RE	Specific target organ toxicity - Repeated exposure						
STOT SE	Specific target organ toxicity - Single exposure						
TDG	Transport of Dangerous Goods (Canada)						
TSCA	Toxic Substances Control Act (United States)						
TWA	Time-Weighted Average						
UN	United Nations						
VOC	Volatile organic compounds						
vPvB	Very Persistent and Very Bioaccumulative						
vPvM	Very Persistent and Very Mobile						
Sk	Skin notation						

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

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
U.S. Environmental Protection Agency
U.S. EPA Acute Exposure Guideline Level(s) (AEL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal

U.S. Hazardous Substance Data Bank (HSDB)
International Uniform Chemical Information Database (IUCLID)
Japan National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
U.S. National Institute for Occupational Safety and Health (NIOSH)
U.S. National Institute for Occupational Safety and Health (NIOSH)
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)
International Organization for Economic Co-operation and Development (OECD) Environmental Guidelines for the Testing and Assessment of Chemicals (OECD ETC)
International Organization for Economic Co-operation and Development (OECD) Risk Management Guidelines for Chemicals (OECD RMLG)
United Nations World Health Organization (WHO)

Prepared By	Bio-Rad Laboratories, Environmental Health and Safety
Revision date	07-Jul-2026
Revision Note	Reviewed existing information and made minor updates.

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically. Contains human source material and / or potentially infectious components.

5. Fire-fighting measures

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.

Specific hazards arising from the chemical Product is or contains a sensitizer. May cause sensitization by skin contact.

Explosion data
Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Methods and material for containment and cleaning up

Methods for containment Do not allow into any sewer, on the ground or into any body of water.

Methods for cleaning up Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Use: Disinfectant.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

General hygiene considerations Follow universal and standard precautions for handling potentially infectious materials.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store according to product and label instructions.

8. Exposure controls/personal protection

Control Parameters

Exposure Limits

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Biological occupational exposure limits

This product, as supplied, contains materials that do not have reportable biological exposure limits or are not subject to the reporting requirements of the local jurisdiction.

Appropriate engineering controls

Engineering controls
Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eyeface protection Wear safety glasses with side shields (or goggles).

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection Use appropriate respiratory protection.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Clear to slightly cloudy

Physical state

Liquid

Color

orange

Odor (includes odor threshold)

Odorless

Property

Values

pH 7.0-9.0

Melting point / freezing point

No data available

Initial boiling point and boiling range

No data available

Flash point

No data available

Evaporation rate

No data available

Flammability

No data available

Flammability Limit in Air

No data available

Upper flammability or explosive limits

No data available

Lower flammability or explosive limits

No data available

Vapor pressure

No data available

Relative vapor density

No data available

Relative density

No data available

Water solubility

Miscible in water

Solubility(ies)

No data available

Partition coefficient

No data available

Autoignition temperature

No data available

Decomposition temperature

No data available

Kinematic viscosity

No data available

Dynamic viscosity

No data available

Remarks - Method

None known

None known

None known

None known

None known

None known

None known

None known

None known

None known

None known

None known

None known

None known

MEX	Not regulated
ICAO (air)	Not regulated
IATA	Not regulated
IMDG	Not regulated

15. Regulatory information

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
International Inventories Contact supplier for inventory compliance status
US Federal Regulations

TSCA
All chemical components are listed on the TSCA Inventory.

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CAA (Clean Air Act)
This product does not contain any substances regulated as pollutants pursuant to Clean Air Act (CAA).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals:

Chemical name	California Proposition 65
Gentamicin sulfate (alt) - 1405-41-0	Developmental

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water			X

7732-18-5 Acetone	X	X	X
67-64-1 Trade secret	-	X	X
1H-Pyrole 109-97-7	-	X	X
Sodium nitrite 7632-00-0	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA Health hazards 2 Flammability 0 Instability 0 Special hazards -
HMIS Health hazards 2 Flammability 0 Physical hazards 0 Personal protection -

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend

ADN Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)
ADR Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
ATE Acute Toxicity Estimate
ASTM American Society for the Testing of Materials
BEL Biological exposure limits
bw Body weight
Ceiling Maximum limit value
CMR Carcinogen, Mutagen or Reproductive Toxicant
DOT Department of Transportation (United States)
EHS Emergency Schedule
EPA U.S. Environmental Protection Agency
GHS Globally Harmonized System
HMIS Hazardous Materials Identification System
IATA International Air Transport Association
ICAO International Civil Aviation Organization
IMDG International Maritime Dangerous Goods
IMO International Maritime Organization
ISO International Organization for Standardization
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
NFPA National Fire Protection Association
NIOSH National Institute for Occupational Safety and Health
n.o.s. Not Otherwise Specified
NOAEL No Observed Adverse Effect Level
OEL Occupational exposure limits
OEL Occupational exposure limits
OSHA Occupational Safety and Health Administration of the US Department of Labor
PBT Persistent Bioaccumulative and Toxic substance
PPE Personal protective equipment
RID Agreement concerning the international Carriage of Dangerous Goods by Rail (Europe)
SARA Superfund Amendments and Reauthorization Act
SDS Safety Data Sheet
STEL Short Term Exposure Limit
STOT RE Specific target organ toxicity - Repeated exposure
STOT SE Specific target organ toxicity - Single exposure
TDG Transport of Dangerous Goods (Canada)
TSCA Toxic Substances Control Act (United States)
TWA Time-Weighted Average
UN United Nations