



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

SAFETY DATA SHEET

1. Identification

Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
0332975BJAA	Gram Crystal Violet	No data available

Other means of identification

SDS number: 088100177506

Recommended use and restriction on use

Recommended use: Laboratory Chemicals

Restrictions on use: None known.

Manufacturer/Importer/Supplier/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: Tech Services

Emergency telephone number: CHEMTREC 1 800 424 9300

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Flammable liquids Category 3

Health Hazards

Serious Eye Damage/Eye Category 2A
Irritation

Carcinogenicity Category 2

Environmental Hazards

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

Acute hazards to the aquatic environment Category 3
Chronic hazards to the aquatic environment Category 3

Label Elements

Hazard Symbol:



Signal Word: Warning

Hazard Statement: H226: Flammable liquid and vapor.
 H319: Causes serious eye irritation.
 H351: Suspected of causing cancer.
 H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233: Keep container tightly closed.
 P240: Ground and bond container and receiving equipment.
 P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment.
 P242: Use non-sparking tools.
 P243: Take action to prevent static discharges.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P264: Wash thoroughly after handling.
 P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P281: Use personal protective equipment as required.
 P273: Avoid release to the environment.



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

- Response:** P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P308+P313: IF exposed or concerned: Get medical advice/attention.
P370+P378: In case of fire: Use water spray, fog, CO₂, dry chemical, or alcohol resistant foam.
- Storage:** P403: Store in a well-ventilated place.
P235: Keep cool.
P405: Store locked up.
- Disposal:** P501: 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:** FK: Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment.
Spark: Sparks may ignite liquid and vapor.
H241: May cause flash fire or explosion.

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 (%)*
2-Propanol	No data available.	67-63-0	5%
Methanol	No data available.	67-56-1	2.5%
Ethanol	No data available.	64-17-5	2.5%
Phenol	No data available.	108-95-2	0.4%
Methanaminium, N-[4-[bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, chloride (1:1)	No data available.	548-62-9	0.3%

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

4. First-aid measures

- General information:** Causes serious eye irritation. Suspected of causing cancer.
- Ingestion:** If swallowed, rinse mouth with water (only if the person is conscious). DO NOT induce vomiting. Get medical attention immediately.
- Inhalation:** Get medical attention if any discomfort continues.
- Skin Contact:** Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.
- Eye contact:** Important! Immediately rinse with water for at least 15 minutes. Get medical attention immediately.

Most important symptoms/effects, acute and delayed

- Symptoms:** No data available.
- Hazards:** Causes serious eye irritation.Suspected of causing cancer.

Indication of immediate medical attention and special treatment needed



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

Treatment: Get immediate medical advice/attention.

5. Fire-fighting measures

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, fog, CO₂, dry chemical, or alcohol resistant foam.

Unsuitable extinguishing media: Avoid water in straight hose stream; will scatter and spread fire.

Specific hazards arising from the chemical: Fire or excessive heat may produce hazardous decomposition products.

Special protective equipment and precautions for firefighters

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

Special protective equipment for firefighters: 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: Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wash thoroughly after dealing with a spillage. Contact local authorities in case of spillage to drain/aquatic environment.

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 (e.g. Local and general ventilation): Adequate ventilation should be provided whenever the material is heated or mists are generated.

Safe handling advice: Avoid contact with eyes. Eye wash facilities and emergency shower must be available when handling this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Read and follow manufacturer's recommendations. Use personal protective equipment as required.

Contact avoidance measures: No data available.

Hygiene measures: Avoid contact with eyes. Wash hands after contact. Observe good industrial hygiene practices.

Storage

Safe storage conditions: Store in tightly closed original container in a dry, cool and well-ventilated place.

Safe packaging materials: No data available.

Storage Temperature: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
2-Propanol	TWA	400 ppm 980 mg/m3	US. OSHA Table Z-1-A (29 CFR



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

			1910.1000), as amended (1989)
	STEL	500 ppm 1,225 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	TWA	400 ppm 980 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	500 ppm 1,225 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	AN ESL	200 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (12 2010)
	ST ESL	2,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (12 2010)
	AN ESL	492 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (12 2010)
	ST ESL	4,920 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (12 2010)
	TWA PEL	400 ppm 980 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010)
	STEL	500 ppm 1,225 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010)
	TWA	200 ppm	US. ACGIH Threshold Limit Values, as amended (12 2010)
	STEL	400 ppm	US. ACGIH Threshold Limit Values, as amended (12 2010)
	STEL	500 ppm 1,225 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	REL	400 ppm 980 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	PEL	400 ppm 980 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	LEL	2.0 %	US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)
	IDLH	2,000 ppm	US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)
Methanol	STEL	250 ppm 325 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	TWA	200 ppm 260 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	STEL	250 ppm 325 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)
	TWA	200 ppm 260 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)



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

	ST ESL	2,620 µg/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (12 2010)
	AN ESL	200 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (12 2010)
	AN ESL	262 µg/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (12 2010)
	ST ESL	2,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (12 2010)
	STEL	250 ppm 325 mg/m ³	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (08 2010)
	TWA PEL	200 ppm 260 mg/m ³	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (08 2010)
	Ceiling	1,000 ppm	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (08 2010)
	STEL	250 ppm	US. ACGIH Threshold Limit Values, as amended (12 2010)
	TWA	200 ppm	US. ACGIH Threshold Limit Values, as amended (12 2010)
	REL	200 ppm 260 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	STEL	250 ppm 325 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	PEL	200 ppm 260 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	IDLH	6,000 ppm	US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)
Ethanol	TWA	1,000 ppm 1,900 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	TWA	1,000 ppm 1,900 mg/m ³	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)
	AN ESL	1,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (12 2010)
	ST ESL	10,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (12 2010)
	AN ESL	1,880 µg/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (12 2010)
	ST ESL	18,800 µg/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (12 2010)



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

	TWA PEL	1,000 ppm	1,900 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (08 2010)
	STEL	1,000 ppm		US. ACGIH Threshold Limit Values, as amended (12 2010)
	REL	1,000 ppm	1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	IDLH	3,300 ppm		US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)
	LEL		3.3 %	US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)
	PEL	1,000 ppm	1,900 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
Phenol	TWA	5 ppm	19 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	TWA	5 ppm	19 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)
	ST ESL		150 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (07 2011)
	AN ESL		19 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (07 2011)
	ST ESL		40 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (07 2011)
	AN ESL		5 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (12 2010)
	TWA PEL	5 ppm	19 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (08 2010)
	TWA	5 ppm		US. ACGIH Threshold Limit Values, as amended (12 2010)
	REL	5 ppm	19 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	Ceil_Time	15.6 ppm	60 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2005)
	IDLH	250 ppm		US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)
	PEL	5 ppm	19 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)



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

Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
2-Propanol (acetone: Sampling time: End of shift at end of work week.)	40 mg/l (Urine)	ACGIH BEI (03 2013)
Methanol (methanol: Sampling time: End of shift.)	15 mg/l (Urine)	ACGIH BEI (03 2013)
Phenol (Phenol with hydrolysis: Sampling time: End of shift.)	250 mg/g (Creatinine in urine)	ACGIH BEI (03 2013)

Appropriate Engineering Controls

Adequate ventilation should be provided whenever the material is heated or mists are generated.

Individual protection measures, such as personal protective equipment

General information: 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.

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

Skin Protection

Hand Protection: Chemical resistant gloves

Other: 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:

Avoid contact with eyes. Wash hands after contact. Observe good industrial hygiene practices.

9. Physical and chemical properties



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

Appearance

Physical state:	liquid
Form:	liquid
Color:	According to product specification.
Odor:	Characteristic
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	43.3 °C
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	No data available.
Solubility(ies)	
Solubility in water:	Completely Soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	Not determined.

10. Stability and reactivity

Reactivity: Product is not reactive under normal conditions and recommended use.



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

Chemical Stability:	No data available.
Possibility of hazardous reactions:	None under normal conditions.
Conditions to avoid:	Avoid exposure to high temperatures or direct sunlight.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	By heating and fire, harmful vapors/gases may be formed.

11. Toxicological information

Information on likely routes of exposure

Ingestion:	Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.
Inhalation:	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin Contact:	Negligible irritation to skin at ambient temperatures.
Eye contact:	Irritating to eyes.

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion:	No data available.
Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.



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

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix: 3,377.64 mg/kg

Dermal

Product: ATEmix: 10,344.83 mg/kg

Inhalation

Product: ATEmix: 120 mg/l

Repeated dose toxicity

Product: No data available.

Specified substance(s):

2-Propanol NOAEL (Rat, Inhalation, >= 104 Weeks): 5,000 ppm(m)
Inhalation Experimental result, Key study

Methanol NOAEL (Rat(Female, Male), Inhalation): 6.66 mg/l Inhalation
Experimental result, Weight of Evidence study
LOAEL (Rat(Male), Inhalation, 1 - 6 Weeks): 13.3 mg/l Inhalation
Experimental result, Supporting study
NOAEL (Rat(Male), Inhalation, 1 - 6 Weeks): 2.65 mg/l Inhalation
Experimental result, Supporting study
NOAEL (Rat(Male), Inhalation, 1 - 6 Weeks): 0.26 mg/l Inhalation
Experimental result, Supporting study
NOAEL (Rat(Female, Male), Inhalation, 7,318 - 7,496 h): 0.13
mg/l Inhalation Experimental result, Weight of Evidence study

Ethanol Based on available data, the classification criteria are not met.
NOAEL (Mouse(Female, Male), Inhalation, 7,202 - 7,373 h): 0.13
mg/l Inhalation Read-across from supporting substance (structural
analogue or surrogate), Weight of Evidence study
LOAEL (Rat(Female, Male), Oral, <= 90 d): 3 %(m) Oral
Experimental result, Supporting study
NOAEL (Monkey(Female, Male), Inhalation): 6.63 mg/l Inhalation
Read-across from supporting substance (structural analogue or
surrogate), Supporting study



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

LOAEL (Monkey, Inhalation): 4 mg/l Inhalation Read-across from supporting substance (structural analogue or surrogate), Supporting study

Phenol
LOAEL (Rabbit, Dermal, 18 d): 260 mg/kg Dermal Experimental result, Key study
NOAEL (Rabbit, Dermal, 18 d): 130 mg/kg Dermal Experimental result, Key study
NOAEL (Rat(Female, Male), Oral, 103 Weeks): 5,000 ppm(m) Oral Experimental result, Weight of Evidence study
NOAEL (Rat(Female, Male), Oral, 13 Weeks): 5,000 ppm(m) Oral Experimental result, Weight of Evidence study

Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):

2-Propanol in vivo (Rabbit): Not Classified Experimental result, Key study

Methanol in vivo (Rabbit): Not irritant Experimental result, Key study

Ethanol in vivo (Rabbit): Not irritant Experimental result, Key study

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

2-Propanol in vivo (Rabbit, 1 d): Category 2: Causes serious eye irritation CLP (1272/2008)

Methanol in vivo (Rabbit, 24 - 72 hrs): Not irritating

Ethanol in vivo (Rabbit, 24 - 72 hrs): Not irritating EU

Respiratory or Skin Sensitization

Product: No data available.



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

Specified substance(s):

2-Propanol	Skin sensitization:, in vivo (Guinea Pig): Non sensitising
Methanol	Skin sensitization:, in vivo (Guinea Pig): Non sensitising
Ethanol	Based on available data, the classification criteria are not met. Skin sensitization:, in vivo (Guinea pig): Non sensitising

Carcinogenicity

Product: No data available.
Specified substance(s):
Ethanol Based on available data, the classification criteria are not met.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s):

Ethanol Based on available data, the classification criteria are not met.

In vivo

Product: No data available.

Specified substance(s):

Ethanol Based on available data, the classification criteria are not met.

Reproductive toxicity

Product: No data available.

Specified substance(s):

Ethanol Based on available data, the classification criteria are not met.



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

Specific Target Organ Toxicity - Single Exposure

Product: No data available.
Specified substance(s):
Methanol Oral: Nervous System - Causes damage to organs.
Ethanol Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.
Specified substance(s):
Ethanol Based on available data, the classification criteria are not met.

Aspiration Hazard

Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No negative effects on the aquatic environment are known.

Aquatic Invertebrates

Product: No negative effects on the aquatic environment are known.

Chronic hazards to the aquatic environment:

Fish

Product: No negative effects on the aquatic environment are known.

Aquatic Invertebrates

Product: No negative effects on the aquatic environment are known.

Toxicity to Aquatic Plants

Product: No negative effects on the aquatic environment are known.



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

Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s):

2-Propanol 53 % (5 d) Detected in water. Experimental result, Key study

Methanol 83 - 91 % (3 d) Sediment Experimental result, Supporting study
97 % Detected in water. Experimental result, Key study
71.5 % (5 d) Detected in water. Experimental result, Key study
82.7 % (5 d) Detected in water. Experimental result, Key study
69 % Detected in water. Experimental result, Key study

Ethanol Readily biodegradable
12.9 % Detected in water. Experimental result, Supporting study
89 % (14 d) Detected in water. Experimental result, Supporting study
69 % Detected in water. Read-across from supporting substance (structural analogue or surrogate), Key study
45 % Detected in water. Experimental result, Supporting study

Methanaminium, N-[4-[bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, chloride (1:1) 3.6 % (28 d) Detected in water. Experimental result, Key study

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Specified substance(s):



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

Methanol	Leuciscus idus, Bioconcentration Factor (BCF): < 10 Aquatic sediment Experimental result, Supporting study Cyprinus carpio, Bioconcentration Factor (BCF): 4.5 Aquatic sediment Experimental result, Supporting study Cyprinus carpio, Bioconcentration Factor (BCF): 1 Aquatic sediment Experimental result, Supporting study Cyprinus carpio, Bioconcentration Factor (BCF): 3 Aquatic sediment Experimental result, Supporting study Green algae (Chlorella fusca vacuolata), Bioconcentration Factor (BCF): 28,400 (Static)
Ethanol	Potential to bioaccumulate is low. Leuciscus idus, Bioconcentration Factor (BCF): < 10 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Supporting study Cyprinus carpio, Bioconcentration Factor (BCF): 1 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Supporting study Leuciscus idus, Bioconcentration Factor (BCF): 0.2 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Not specified Cyprinus carpio, Bioconcentration Factor (BCF): 3 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Supporting study
Phenol	Pimephales promelas, Bioconcentration Factor (BCF): 4,300 Aquatic sediment Experimental result, Not specified

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Specified substance(s):

2-Propanol Log Kow: 0.05

Methanol Log Kow: -0.77

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments



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

2-Propanol	No data available.
Methanol	No data available.
Ethanol	soil - Very mobile liquid
Phenol	No data available.
Methanaminium, N-[4-[bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, chloride (1:1)	No data available.

Other adverse effects: No data available.

13. Disposal considerations

General information: Dispose of waste and residues in accordance with local authority requirements.

Disposal instructions: 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: No data available.

14. Transport information

DOT

UN Number:	UN 3316
UN Proper Shipping Name:	Chemical kits
Transport Hazard Class(es)	
Class:	9
Label(s):	9
Packing Group:	III
Marine Pollutant:	No

Special precautions for user: Not regulated.



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

IMDG

UN Number: UN 3316
UN Proper Shipping Name: CHEMICAL KIT
Transport Hazard Class(es)
Class: 9
Subsidiary risk: 9
EmS No.: F-A, S-P
Packing Group: III
Environmental Hazards
Marine Pollutant: No

Special precautions for user: Not regulated.

IATA

UN Number: UN 3316
Proper Shipping Name: Chemical kit
Transport Hazard Class(es):
Class: 9
Subsidiary risk: 9MI
Packing Group: III
Environmental Hazards
Marine pollutant: No

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.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended
None present or none present in regulated quantities.



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

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity

RCRA HAZARDOUS WASTE NO. D001
METHANOL
RCRA HAZARDOUS WASTE NO. D001
PHENOL

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Flammable (gases, aerosols, liquids, or solids), Serious eye damage or eye irritation, Carcinogenicity, Hazards Not Otherwise Classified (HNOC)

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. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

<u>Chemical Identity</u>	<u>% by weight</u>
2-Propanol	1.0%
Methanol	1.0%

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)

Chemical Identity

Phenol

US State Regulations

US. California Proposition 65



WARNING: This product can expose you to chemicals including, Ethanol which is [are] known to the State of California to cause cancer and birth defects or other reproductive harm.



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

This product can expose you to chemicals including, Methanaminium, N-[4-[bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, chloride (1:1) which is [are] known to the State of California to cause cancer.

This product can expose you to chemicals including, Methanol which is [are] known to the State of California to cause birth defects or other reproductive harm.
For more information go to www.P65Warnings.ca.gov.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

2-Propanol
Methanol
Ethanol
Phenol

US. Massachusetts RTK - Substance List

Chemical Identity

2-Propanol
Methanol
Ethanol
Phenol

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

2-Propanol
Methanol
Ethanol

US. Rhode Island RTK

Chemical Identity

2-Propanol
Methanol
Ethanol

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

Issue Date: 03/18/2021



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

Version #: 2.1

Revision Information:

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.