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www.bd.com

SAFETY DATA SHEET

1. Identification of the substance or mixture and of the supplier

Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
212511	TB Carbolfuchsin ZN	No data available

Other means of identification
SDS number: 088100175775

Recommended use of the chemical and restrictions on use

Recommended use: Laboratory Chemicals
Recommended restrictions: None known.

Supplier's details

Supplier

Company Name:	Becton Dickinson Ltd.
Address:	14B George Bourke Drive Mt Wellington, Auckland, 1060 New Zealand
Telephone:	0800 572 468
Fax:	
Contact Person:	Customer Service
E-mail:	bd_anz@bd.com

Emergency telephone number: ChemTrec New Zealand: +(64)-98010034

2. Hazard(s) identification

Classified according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) regulation 2001
Classified according to NZS 5433:1999, UN, IMDG, and IATA.

Classification of the hazardous chemical:

Health Hazards

Class 6.1: Toxicity – Acutely toxic (Oral)	Category E
Class 6.6: Toxicity – Mutagen	Category A
Class 6.7: Toxicity – Carcinogen	Category A
Class 6.8: Toxicity – Reproductive/developmental	Category B
Class 8.2: Corrosiveness – Skin corrosive	Category B
Class 8.3: Corrosiveness – Eye corrosive	Category A
Class 6.9: Toxicity – Target organ	Category B

Label elements, including precautionary statements

Hazard symbol(s):

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Signal Word: Danger

Hazard Statement(s):
May be harmful if swallowed.
May cause genetic defects.
May cause cancer.
Suspected of damaging fertility or the unborn child.
May cause damage to organs.
May cause damage to organs through prolonged or repeated exposure.
Causes severe skin burns and eye damage.

Precautionary statement(s):

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Specific treatment (see on this label). Wash contaminated clothing before reuse.

Storage: Store locked up.

Disposal: 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: None.

Supplemental label information None.

3. Composition/information on ingredients

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Mixtures

Chemical Identity	Common name and synonyms	CAS number	Concentration*
2-Propanol	No data available.	67-63-0	7 - 13%
Phenol	No data available.	108-95-2	5 - 10%
Benzenamine, 4,4'-[(4-imino-2,5-cyclohexadien-1-ylidene)methylene]bis-, hydrochloride (1:1)	No data available.	569-61-9	0.1 - 1%

* 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 severe skin burns and eye damage. Get immediate medical advice/attention. Suspected of causing genetic defects. May cause cancer. May cause damage to organs through prolonged or repeated exposure.

Description of necessary first-aid measures

Inhalation: Move to fresh air. Get medical attention if any discomfort continues.

Skin Contact: Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Get medical attention promptly if symptoms occur after washing.

Eye contact: Important! Immediately rinse with water for 60 minutes. Get medical attention immediately. Continue to rinse.

Ingestion: Call a physician or poison control center immediately. Rinse mouth thoroughly. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.

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

Symptoms caused by exposure

Symptoms: Symptoms may be delayed.

Hazards: Causes severe skin burns and eye damage. Suspected of causing genetic defects. May cause cancer. May cause damage to organs through prolonged or repeated exposure.

Medical attention and special treatment

Treatment IF exposed or concerned: Get 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.

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Means of fire extinguishing	
Suitable extinguishing media	Use water fog, alcohol-resistant foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the 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 fire-fighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Hazchem Code:	No data available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Ventilate closed spaces before entering them. Avoid breathing mists or vapors. Keep unauthorized personnel away.
For non-emergency personnel:	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water to keep fire exposed containers cool and disperse vapors.
For emergency responders:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Environmental Precautions:	Do not contaminate water sources or sewer.
Methods and material for containment and cleaning up:	Stop leak if possible without any risk. Prevent runoff from entering drains, sewers, or streams. Dike far ahead of larger spills for later disposal. Absorb in vermiculite, dry sand or earth and place into containers. See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling:	Avoid contact with eyes and prolonged or repeated contact with skin. Avoid inhalation of vapors and spray mists. Observe good industrial hygiene practices. Wear appropriate personal protective equipment. Provide good ventilation.
Conditions for safe storage, including any incompatibilities:	Store in original tightly closed container. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

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8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
2-Propanol	STEL	500 ppm 1,230 mg/m3	New Zealand. WES. (Workplace Exposure Standards), as amended (09 2010)
	TWA	400 ppm 983 mg/m3	New Zealand. WES. (Workplace Exposure Standards), as amended (09 2010)
Phenol	TWA	5 ppm	New Zealand. WES. (Workplace Exposure Standards), as amended (07 2011)

Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
Phenol (Phenol following hydrolysis: Sampling time: End of shift.)	120 mg/g (Creatinine in urine)	NZ BEI (11 2018)

Chemical Identity	Exposure Limit Values	Source
Phenol (Phenol following hydrolysis: Sampling time: End of shift.)	120 mg/g (Creatinine in urine)	NZ BEI (11 2018)

Appropriate Engineering Controls: Adequate ventilation should be provided so that exposure limits are not exceeded. Eye wash facilities and emergency shower must be available when handling this product.

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 to remove contaminants. Discard contaminated footwear that cannot be cleaned.

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

Skin Protection

Hand Protection: Suitable gloves can be recommended by the glove supplier.

Other: Chemical resistant clothing

Respiratory Protection: In case of inadequate ventilation use suitable respirator.

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Hygiene measures: Observe good industrial hygiene practices. Wash at the end of each work shift and before eating, smoking and using the toilet.

9. Physical and chemical properties

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:	Not applicable
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.
Chemical Stability:	No data available.
Possibility of hazardous reactions:	Stable; however, may decompose if heated.
Conditions to avoid:	Avoid exposure to high temperatures or direct sunlight. Do not freeze.
Incompatible Materials:	Avoid contact with oxidizers or reducing agents.
Hazardous Decomposition Products:	By heating and fire, corrosive vapors/gases may be formed.

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Other information: Stable under normal temperature conditions and recommended use.

11. Toxicological information

Information on likely routes of exposure

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity

Oral
Product: ATEmix (): 4,909.09 mg/kg

Dermal
Product:
Not classified for acute toxicity based on available data.

Inhalation
Product: Not classified for acute toxicity based on available data.

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
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 irritation and corrosion
Product: No data available.

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Specified substance(s):

2-Propanol	in vivo (Rabbit): Not Classified 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)

Respiratory or Skin Sensitization

Product: No data available.

Specified substance(s):

2-Propanol	Skin sensitization:, in vivo (Guinea Pig): Non sensitising

Carcinogenicity

Product: May cause cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Benzenamine, 4,4'-[(4-imino-2,5-cyclohexadien-1-ylidene)methylene] bis-, hydrochloride (1:1)	Overall evaluation: 2B. Possibly carcinogenic to humans.

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

Benzenamine, 4,4'-[(4-imino-2,5-cyclohexadien-1-ylidene)methylene] bis-, hydrochloride (1:1)

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.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

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12. Ecological information

Ecotoxicity

Acute hazards to the aquatic environment

Fish

Product: Not expected to be harmful to aquatic organisms.

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

2-Propanol — EC 100 (Daphnia magna, 24 h): > 10,000 mg/l Experimental result, Supporting study
EC 50 (Daphnia magna, 24 h): 9,714 mg/l Experimental result, Supporting study
LC 50 (Daphnia magna, 24 h): > 10,000 mg/l Experimental result, Key study
LC 50 (Common shrimp, sand shrimp (Crangon crangon), 48 h): 900 - 1,950 mg/l Mortality
LC 50 (Common shrimp, sand shrimp (Crangon crangon), 96 h): 750 - 1,650 mg/l Mortality

Chronic hazards to the aquatic environment

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s):

2-Propanol — 53 % (5 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):

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Phenol	Pimephales promelas, Bioconcentration Factor (BCF): 4,300 Aquatic sediment Experimental result, Not specified

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: No data available.

Mobility

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

2-Propanol	No data available.
Phenol	No data available.
Benzenamine, 4,4'-[(4-imino-2,5-cyclohexadien-1-ylidene)methylene]bis-, hydrochloride (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 methods

Disposal instructions: This material and/or its container must be disposed of as hazardous waste.

Contaminated Packaging: No data available.

14. Transport information

International regulations

IATANot regulated.

IMDGNot regulated.

Transport in bulk according to Annex II of MARPOL and the IBC Code
Not applicable

15. Regulatory information

Classified according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) regulation 2001
Classified according to NZS 5433:1999, UN, IMDG, and IATA.

Ozone Depleting Substances
Not Regulated

New Zealand. CWC. Chemical Weapons (Prohibition) Act 1996 (Schedules of Chemicals 1-3)

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Not Regulated

International regulations

Montreal protocol
Not applicable

Stockholm convention
Not applicable

Rotterdam convention
Not applicable

Kyoto protocol
Not applicable

16.Other Information

Issue Date: 17.02.2021

Revision Information:

Further Information: No data available.

Key abbreviations or acronyms used

References: No data available.

Disclaimer: Disclaimer:
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