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 USA
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Kit Components

Kit Product No.	Kit Product Description
212519	Kit Tb Fluorescent Stain Kit M

Kit Component(s)	Kit Component(s) Description
0331475BJAA	TB Decolorizer TM
0331575BJAA	TB Potassium Permanganate
0331675BJAA	TB Auramine M

IMDG

UN number or ID number:	UN 3316
UN Proper Shipping Name:	CHEMICAL KIT
Transport Hazard Class(es)	
Class:	9
Label(s):	9
EmS No.:	F-A, S-P
Packing Group:	II
Environmental Hazards:	Not regulated.
Marine Pollutant:	No
Special precautions for user:	Not regulated.

IATA

UN number or ID number:	UN 3316
Proper Shipping Name:	CHEMICAL KIT
Transport Hazard Class(es):	
Class:	9
Label(s):	9MI
Packing Group:	II
Environmental Hazards:	Not regulated.



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Marine Pollutant:	No
Cargo aircraft only:	Forbidden.

Special precautions for user:	Not regulated.
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Please note: If a listed component does not have a corresponding document included, this means that the product is not hazardous and does not require a Safety Data Sheet.

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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)
0331475BJAA	TB Decolorizer TM	No data available

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
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

GHS classification

Physical Hazards

Flammable liquids Category 2

Health Hazards

Skin Corrosion/Irritation Category 1
Serious Eye Damage/Eye Irritation Category 1
Specific Target Organ Toxicity -
Single Exposure Category 3
(Narcotic effect.)

Label Elements

Pictograms:





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Signal Word: Danger

Hazard Statement: Highly flammable liquid and vapor.
Causes severe skin burns and eye damage.
May cause drowsiness or dizziness.

Precautionary Statements

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse. Specific treatment (see supplemental first aid instructions on this label). IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: 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

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) [*]
2-Propanol	No data available.	67-63-0	>60 - 100%
Hydrochloric acid	No data available.	7647-01-0	0.5 - 1.5%

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

The exact concentration has been withheld as a trade secret.

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4. First-aid measures

Description of necessary first-aid measures

General information:	Causes severe skin burns and eye damage. Get immediate medical advice/attention. May cause drowsiness or dizziness.
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.
Most important symptoms and effects, both acute and delayed Symptoms:	Symptoms may be delayed.
Hazards:	Causes severe skin burns and eye damage. May cause drowsiness or dizziness.

Indication of immediate medical attention and special treatment needed

Treatment:	IF exposed or concerned: Get medical advice/attention.
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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:	Use water fog, alcohol-resistant foam, dry chemical or carbon dioxide (CO ₂) to extinguish flames.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Special hazards arising from the substance or mixture:	Fire or excessive heat may produce hazardous decomposition products.

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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: 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.

Accidental release measures: Methods and material for containment and cleaning up: No data available. 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.

Environmental Precautions: Do not contaminate water sources or sewer.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation): 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.

Safe handling advice: 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.

Contact avoidance measures: No data available.

Storage

Safe storage conditions: 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.

Safe packaging materials: No data available.

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8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Biological Limit Values

Chemical name	Parameters / Sampling Time	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)

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.

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

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:	180 °F/82 °C

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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:	62.1 °F/16.7 °C
Self Ignition Temperature:	No data available.
Decomposition Temperature:	No data available.
pH:	1.3 - 1.9
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.

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.
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10. Stability and reactivity

Reactivity:	Material is stable under normal conditions.
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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.

11. Toxicological information

Information on toxicological effects

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

Information on likely routes of exposure

Acute toxicity (list all possible routes of exposure)

Oral

Product:	Not classified for acute toxicity based on available data. Not classified for acute toxicity based on available data.
Components:	
2-Propanol	LD 50 (Rat): 5,045 mg/kg
Hydrochloric acid	No data available.

Dermal

Product:	Not classified for acute toxicity based on available data.
Components:	
2-Propanol	No data available.
Hydrochloric acid	No data available.

Inhalation

Product:	Not classified for acute toxicity based on available data.
Components:	
2-Propanol	No data available.
Hydrochloric acid	LC 50 (Rat, 4 h): 1405 ppm LC 50 (Rat, 1 h): 2810 ppm

Repeated dose toxicity

Product:	No data available.
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Components:

2-Propanol	NOAEL (Rat, Inhalation, >= 104 Weeks): 5,000 ppm(m) Experimental result, Key study Inhalation
Hydrochloric acid	NOAEL (Mouse(Female, Male), Inhalation, 4 - 91 d): 20 ppm(m) Experimental result, Key study Inhalation NOAEL (Rat(Female, Male), Inhalation, 4 - 91 d): 10 ppm(m) Experimental result, Key study Inhalation NOAEL (Rat(Female, Male), Inhalation, 4 - 91 d): 20 ppm(m) Experimental result, Key study Inhalation LOAEL (Mouse(Female, Male), Inhalation, 4 - 91 d): 50 ppm(m) Experimental result, Key study Inhalation NOAEL (Guinea pig; Monkey; Rabbit(female), Inhalation, 2 - 20 d): 0.05 mg/l Experimental result, Supporting study Inhalation

Skin Corrosion/Irritation

Product:	No data available.
Components:	
2-Propanol	No data available.
Hydrochloric acid	No data available.

Serious Eye Damage/Eye Irritation

Product:	No data available.
Components:	
2-Propanol	No data available.
Hydrochloric acid	Category 1 in vivo Rabbit, 1 hrs: EU Category 1 in vivo Rabbit, 1 d: EU Category 1 in vivo Rabbit, 1 - 21 d: EU Category 1 in vivo Rabbit, 3 - 7 d: EU Category 1 in vivo Rabbit, 1 - 24 hrs: EU Category 1 in vivo Rabbit, 1 - 7 d: EU Category 1 in vivo Rabbit, 1 - 2 d: EU

Respiratory or Skin Sensitization

Product:	No data available.
Components:	
2-Propanol	Skin sensitization:, in vivo (Guinea pig): Non sensitising
Hydrochloric acid	No data available.

Carcinogenicity

Product:	No data available.
Components:	
2-Propanol	No data available.
Hydrochloric acid	No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities
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 1910.1001-1050), as amended:

No carcinogens present or none present in regulated quantities

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Germ Cell Mutagenicity

In vitro

Product: No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.

In vivo

Product: No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.

Reproductive toxicity

Product: No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.

Aspiration Hazard

Product: No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.

Information on health hazards

Other hazards

Product: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: Not expected to be harmful to aquatic organisms.
Components:
2-Propanol LC 50 (Pimephales promelas, 96 h): 8,680 mg/l
LC 50 (Fathead minnow (Pimephales promelas), 24 h): 11,160 mg/l



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Mortality
LC 50 (Fathead minnow (*Pimephales promelas*), 96 h): 9,230 - 10,000 mg/l Mortality
LC 50 (Bluegill (*Lepomis macrochirus*), 24 h): > 1,400 mg/l Mortality
LC 50 (Fathead minnow (*Pimephales promelas*), 24 h): 10,600 mg/l Mortality
Hydrochloric acid
LC 50 (Western mosquitofish (*Gambusia affinis*), 96 h): 282 mg/l Mortality
LC 50 (Western mosquitofish (*Gambusia affinis*), 48 h): 282 mg/l Mortality
LC 50 (Western mosquitofish (*Gambusia affinis*), 24 h): 282 mg/l Mortality

Aquatic Invertebrates

Product: No data available.
Components:
2-Propanol
LC 50 (Water flea (*Daphnia magna*), 24 h): > 10,000 mg/l Mortality
LC 50 (Brine shrimp (*Artemia salina*), 24 h): > 10,000 mg/l Mortality
LC 50 (Common shrimp, sand shrimp (*Crangon crangon*), 96 h): 750 - 1,650 mg/l Mortality
LC 50 (Common shrimp, sand shrimp (*Crangon crangon*), 48 h): 900 - 1,950 mg/l Mortality
Hydrochloric acid
LC 50 (Common shrimp, sand shrimp (*Crangon crangon*), 48 h): 260 mg/l Mortality
LC 50 (Green or European shore crab (*Carcinus maenas*), 48 h): 240 mg/l Mortality

Toxicity to Aquatic Plants

Product: No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.

Toxicity to microorganisms

Product: No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.

Aquatic Invertebrates

Product: No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.

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Toxicity to Aquatic Plants

Product: No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.

Toxicity to microorganisms

Product: No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.

Persistence and Degradability

Biodegradation

Product: No data available.
Components:
2-Propanol 53 % (5 d) Experimental result, Key study Detected in water.
Hydrochloric acid No data available.

BOD/COD Ratio

Product: No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.

Mobility in soil:

Product No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.

Results of PBT and vPvB assessment:

Product No data available.
Components:
2-Propanol No data available.
Hydrochloric acid No data available.



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Other adverse effects:

Other hazards

Product: No data available.

13. Disposal considerations

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

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

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

International regulations

IATA

UN number or ID number:	UN 3316
Proper Shipping Name:	CHEMICAL KIT
Transport Hazard Class(es):	
Class:	9
Label(s):	9MI
Packing Group:	II
Environmental Hazards	
Marine Pollutant:	No
Limited quantity	
Special precautions for user:	–
Other information	
Passenger and cargo aircraft:	Forbidden.
Cargo aircraft only:	Forbidden.



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IMDG

UN number or ID number:	UN 3316
UN Proper Shipping Name:	CHEMICAL KIT
Transport Hazard Class(es)	
Class:	9
Label(s):	9
EmS No.:	F-A, S-P
Packing Group:	II
Environmental Hazards	
Marine Pollutant:	No
Limited quantity	
Special precautions for user:	—

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
Not Regulated

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

Not Regulated
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: 27.10.2022



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Revision Date: No data available.No data available.

Version #: 1.2

Further Information: No data available.

References: No data available.

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Disclaimer:

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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)
0331575BJAA	TB Potassium Permanganate	No data available

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
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

GHS classification

Health Hazards

Toxic to reproduction Category 2

Environmental Hazards

Acute hazards to the aquatic environment Category 2

Chronic hazards to the aquatic environment Category 3

Label Elements

Pictograms:



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Signal Word: Warning

Hazard Statement: Suspected of damaging fertility or the unborn child.
Harmful to aquatic life with long lasting effects.
Toxic to aquatic life.

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF exposed or concerned: Get medical advice/attention.

Storage: Store locked up. Keep cool.

Disposal: 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

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) [*]
Permanganic acid (HMnO ₄), potassium salt (1:1)	No data available.	7722-64-7	0.5 - 1.5%

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

The exact concentration has been withheld as a trade secret.

4. First-aid measures

Description of necessary first-aid measures

General information: Get medical attention if symptoms occur.

Inhalation: Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Get medical attention if symptoms persist.

Skin Contact: Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if symptoms occur. Wash contaminated clothing before reuse.

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Eye contact:	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing.
Ingestion:	If swallowed, rinse mouth with water (only if the person is conscious). 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:	Suspected of damaging fertility or the unborn child.
Indication of immediate medical attention and special treatment needed	
Treatment:	Get medical attention if symptoms occur.

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, CO ₂ , dry chemical, or alcohol resistant foam.
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:	Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Contact local authorities in case of spillage to drain/aquatic environment.
Accidental release measures:	No data available.



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Methods and material for containment and cleaning up: Stop leak if possible without any risk. Collect for salvage or disposal. Prevent runoff from entering drains, sewers, or streams. Absorb spillage with suitable absorbent material. See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

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: Wash promptly with soap and water if skin becomes contaminated. 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 tightly closed original container in a dry, cool and well-ventilated place.

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Biological Limit Values

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

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

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

Skin Protection

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- Hand Protection:** Use suitable protective gloves if risk of skin contact.
- Other:** Wear appropriate clothing to prevent repeated or prolonged skin contact.
- 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:** Do not eat, drink or smoke when using the product. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Avoid contact with skin.

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.
- 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
- Self 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.



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Bulk density: No data available.
Relative vapor density: No data available.

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: No data available.
Possibility of hazardous reactions: Stable
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

General information: Can cause adverse reproductive effects - such as birth defects, miscarriages, or infertility.

Information on toxicological effects

Inhalation: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin Contact: Prolonged or repeated contact may cause skin sensitization in susceptible individuals.

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Eye contact: Avoid contact with eyes.

Ingestion: Ingestion may cause irritation and malaise.

Information on likely routes of exposure

Acute toxicity (list all possible routes of exposure)

Oral

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

Components:
Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Dermal

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

Components:
Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Inhalation

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

Components:
Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Repeated dose toxicity

Product: No data available.

Components:
Permanganic acid (HMnO₄), potassium salt (1:1) NOAEL (Rat(Female, Male), Dermal, 28 d): 150 mg/kg Experimental result, Key study Dermal

Skin Corrosion/Irritation

Product: No data available.

Components:
Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:
Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Respiratory or Skin Sensitization

Product: No data available.

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Components:

Permanganic acid (HMnO₄), potassium salt (1:1) Skin sensitization:, in vivo (Guinea pig): Non sensitising

Carcinogenicity

Product: No data available.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product: No data available.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

In vivo

Product: No data available.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Reproductive toxicity

Product: Suspected of damaging fertility or the unborn child.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Aspiration Hazard

Product: No data available.

Components:



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Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Information on health hazards

Other hazards

Product: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: Harmful to aquatic organisms.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1)
LC 50 (Poecilia reticulata, 48 h): 0.7 mg/l Experimental result, Key study
NOAEL (Poecilia reticulata, 72 h): 0.35 mg/l Experimental result, Key study
LC 100 (Poecilia reticulata, 24 h): > 1.67 mg/l Experimental result, Key study
LC 100 (Poecilia reticulata, 72 h): 0.69 mg/l Experimental result, Key study
NOAEL (Poecilia reticulata, 96 h): 0.35 mg/l Experimental result, Key study

Aquatic Invertebrates

Product: No data available.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Toxicity to microorganisms

Product: No data available.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Chronic hazards to the aquatic environment:

Fish

Product: Expected to be harmful to aquatic organisms. May cause long-term

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adverse effects in the environment.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Aquatic Invertebrates

Product: Expected to be harmful to aquatic organisms.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Toxicity to microorganisms

Product: No data available.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

BOD/COD Ratio

Product: No data available.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Components:

Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Partition Coefficient n-octanol / water (log K_{ow})



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Product: No data available.
Components:
Permanganic acid (HMnO₄), potassium salt (1:1) No data available.

Mobility in soil:

Product No data available.
Components:
Permanganic acid (HMnO₄) potassium salt (1:1) No data available.

Results of PBT and vPvB assessment:

Product No data available.
Components:
Permanganic acid (HMnO₄) potassium salt (1:1) No data available.

Other adverse effects:

Other hazards
Product: No data available.

13. Disposal considerations

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

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

Since emptied containers retain product residue, follow label warnings even after container is emptied.

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

International regulations

IATA

Not regulated.

IMDG

Not regulated.



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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)
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:	05.12.2022
Revision Date:	No data available.No data available.
Version #:	1.2
Further Information:	No data available.
References:	No data available.



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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)
0331675BJAA	TB Auramine M	No data available

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
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

GHS classification

Physical Hazards

Flammable liquids Category 3

Health Hazards

Serious Eye Damage/Eye Irritation Category 2

Carcinogenicity Category 2

Toxic to reproduction Category 2

Specific Target Organ Toxicity -
Single Exposure Category 3
(Narcotic effect.)

Label Elements

Pictograms:

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Signal Word: Warning

Hazard Statement: Flammable liquid and vapor.
Causes serious eye irritation.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
May cause drowsiness or dizziness.

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: 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

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Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) [*]
2-Propanol	No data available.	67-63-0	15 - 40%
Phenol	No data available.	108-95-2	0.1 - 1%
Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-, hydrochloride (1:1)	No data available.	2465-27-2	0.1 - 1%

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

The exact concentration has been withheld as a trade secret.

4. First-aid measures

Description of necessary first-aid measures

General information:	Get medical attention if symptoms occur. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer.
Inhalation:	Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Get medical attention if any discomfort continues.
Skin Contact:	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
Eye contact:	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
Ingestion:	If swallowed, rinse mouth with water (only if the person is conscious). 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 serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer.

Indication of immediate medical attention and special treatment needed

Treatment: Get medical attention if symptoms occur.

5. Fire-fighting measures

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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. In case of fire: Evacuate area.
Suitable (and unsuitable) extinguishing media	
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Not applicable
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:	May explode when heated or when exposed to flames or sparks.
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: Methods and material for containment and cleaning up:	No data available. All equipment used when handling the product must be grounded. Eliminate sources of ignition. Prevent spreading of vapors through sewers, ventilation systems and confined areas. 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.
Environmental Precautions:	Avoid release to the environment.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation):	Use explosion-proof ventilation equipment to stay below exposure limits. Adequate ventilation should be provided so that exposure limits are not exceeded.
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Safe handling advice:	When using do not eat, drink or smoke. Use personal
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protective equipment as required. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Read and follow manufacturer's recommendations. Use spark-proof tools and explosion-proof equipment.

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 Parameters

Occupational Exposure Limits

Biological Limit Values

Chemical name	Parameters / Sampling Time	Exposure Limit Values	Source
Phenol	Phenol following hydrolysis Sampling time: End of shift.	100 mg/l (Urine)	NZ BEI (11 2020)
2-Propanol	acetone Sampling time: End of shift at end of work week.	40 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:

Use explosion-proof ventilation equipment to stay below exposure limits. Adequate ventilation should be provided so that exposure limits are not exceeded.

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).

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- Hand Protection:** Chemical resistant gloves Suitable gloves can be recommended by the glove supplier. Wash hands after contact.
- 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:** 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:** 180 °F/82 °C
- 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:** 77.9 °F/25.5 °C
- Self 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.

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Relative vapor density: No data available.

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. Flammable/combustible - Keep away from oxidizers, heat and flames. Keep away from sources of ignition - No smoking.

Incompatible Materials: Water reactive material.

Hazardous Decomposition Products: Stable; however, may decompose if heated.

11. Toxicological information

Information on toxicological effects

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.



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Ingestion: No data available.

Information on likely routes of exposure

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.
Components:
2-Propanol LD 50 (Rat): 5,045 mg/kg
Phenol LD 50 (Mouse): 270 mg/kg
Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-, hydrochloride (1:1) No data available.

Dermal

Product: Not classified for acute toxicity based on available data.
Components:
2-Propanol No data available.
Phenol No data available.
Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-, hydrochloride (1:1) No data available.

Inhalation

Product: No data available.
Components:
2-Propanol No data available.
Phenol No data available.
Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-, hydrochloride (1:1) No data available.

Repeated dose toxicity

Product: No data available.
Components:
2-Propanol NOAEL (Rat, Inhalation, >= 104 Weeks): 5,000 ppm(m) Experimental result, Key study Inhalation
Phenol NOAEL (Rabbit, Dermal, 18 d): 130 mg/kg Experimental result, Key study Dermal
LOAEL (Rabbit, Dermal, 18 d): 260 mg/kg Experimental result, Key study Dermal
Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-, hydrochloride (1:1) No data available.

Skin Corrosion/Irritation

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Product: Irritating to skin.
Components:
2-Propanol No data available.
Phenol No data available.
Benzenamine, 4,4'-
carbonimidoylbis[N,N-
dimethyl-, hydrochloride
(1:1) No data available.

Serious Eye Damage/Eye Irritation

Product: No data available.
Components:
2-Propanol No data available.
Phenol No data available.
Benzenamine, 4,4'-
carbonimidoylbis[N,N-
dimethyl-, hydrochloride
(1:1) No data available.

Respiratory or Skin Sensitization

Product: No data available.
Components:
2-Propanol Skin sensitization:, in vivo (Guinea pig): Non sensitising
Phenol No data available.
Benzenamine, 4,4'-
carbonimidoylbis[N,N-
dimethyl-, hydrochloride
(1:1) No data available.

Carcinogenicity

Product: No data available.
Components:
2-Propanol No data available.
Phenol No data available.
Benzenamine, 4,4'-
carbonimidoylbis[N,N-
dimethyl-, hydrochloride
(1:1) No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro

Product: No data available.
Components:
2-Propanol No data available.
Phenol No data available.
Benzenamine, 4,4'-
carbonimidoylbis[N,N-
dimethyl-, hydrochloride
(1:1) No data available.

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In vivo

Product: No data available.

Components:

2-Propanol No data available.

Phenol No data available.

Benzenamine, 4,4'-

carbonimidoylbis[N,N-
dimethyl-, hydrochloride
(1:1)

Reproductive toxicity

Product: No data available.

Components:

2-Propanol No data available.

Phenol No data available.

Benzenamine, 4,4'-

carbonimidoylbis[N,N-
dimethyl-, hydrochloride
(1:1)

Specific Target Organ Toxicity - Single Exposure

Product: Category 3 with narcotic effects. May cause drowsiness or dizziness.

Components:

2-Propanol No data available.

Phenol No data available.

Benzenamine, 4,4'-

carbonimidoylbis[N,N-
dimethyl-, hydrochloride
(1:1)

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:

2-Propanol No data available.

Phenol No data available.

Benzenamine, 4,4'-

carbonimidoylbis[N,N-
dimethyl-, hydrochloride
(1:1)

Aspiration Hazard

Product: No data available.

Components:

2-Propanol No data available.

Phenol No data available.

Benzenamine, 4,4'-

carbonimidoylbis[N,N-
dimethyl-, hydrochloride
(1:1)

Information on health hazards**Other hazards**

Product: No data available.

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12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product:	No data available.
Components:	
2-Propanol	LC 50 (Pimephales promelas, 96 h): 8,680 mg/l LC 50 (Fathead minnow (Pimephales promelas), 24 h): 11,160 mg/l Mortality LC 50 (Fathead minnow (Pimephales promelas), 96 h): 9,230 - 10,000 mg/l Mortality LC 50 (Bluegill (Lepomis macrochirus), 24 h): > 1,400 mg/l Mortality LC 50 (Fathead minnow (Pimephales promelas), 24 h): 10,600 mg/l Mortality
Phenol	LC 50 (Danio rerio, 96 h): 86.4 mg/l Experimental result, Supporting study LC 50 (Pimephales promelas, 96 h): 67.5 mg/l Experimental result, Key study
Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-, hydrochloride (1:1)	No data available.

Aquatic Invertebrates

Product:	No data available.
Components:	
2-Propanol	LC 50 (Water flea (Daphnia magna), 24 h): > 10,000 mg/l Mortality LC 50 (Brine shrimp (Artemia salina), 24 h): > 10,000 mg/l Mortality LC 50 (Common shrimp, sand shrimp (Crangon crangon), 96 h): 750 - 1,650 mg/l Mortality LC 50 (Common shrimp, sand shrimp (Crangon crangon), 48 h): 900 - 1,950 mg/l Mortality
Phenol	No data available.
Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-, hydrochloride (1:1)	No data available.

Toxicity to Aquatic Plants

Product:	No data available.
Components:	
2-Propanol	No data available.
Phenol	No data available.
Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-, hydrochloride (1:1)	No data available.

Toxicity to microorganisms

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Product: No data available.
Components:
2-Propanol No data available.
Phenol No data available.
Benzenamine, 4,4'-
carbonimidoylbis[N,N-
dimethyl-, hydrochloride
(1:1) No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.
Components:
2-Propanol No data available.
Phenol No data available.
Benzenamine, 4,4'-
carbonimidoylbis[N,N-
dimethyl-, hydrochloride
(1:1) No data available.

Aquatic Invertebrates

Product: No data available.
Components:
2-Propanol No data available.
Phenol No data available.
Benzenamine, 4,4'-
carbonimidoylbis[N,N-
dimethyl-, hydrochloride
(1:1) No data available.

Toxicity to Aquatic Plants

Product: No data available.
Components:
2-Propanol No data available.
Phenol No data available.
Benzenamine, 4,4'-
carbonimidoylbis[N,N-
dimethyl-, hydrochloride
(1:1) No data available.

Toxicity to microorganisms

Product: No data available.
Components:
2-Propanol No data available.
Phenol No data available.
Benzenamine, 4,4'-
carbonimidoylbis[N,N-
dimethyl-, hydrochloride
(1:1) No data available.

Persistence and Degradability

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Biodegradation

Product:	No data available.
Components:	
2-Propanol	53 % (5 d) Experimental result, Key study Detected in water.
Phenol	No data available.
Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-, hydrochloride (1:1)	No data available.

BOD/COD Ratio

Product:	No data available.
Components:	
2-Propanol	No data available.
Phenol	No data available.
Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-, hydrochloride (1:1)	No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.
Components:	
2-Propanol	No data available.
Phenol	No data available.
Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-, hydrochloride (1:1)	No data available.

Partition Coefficient n-octanol / water (log Kow)

Product:	No data available.
Components:	
2-Propanol	No data available.
Phenol	No data available.
Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-, hydrochloride (1:1)	No data available.

Mobility in soil:

Product	No data available.
Components:	
2-Propanol	No data available.
Phenol	No data available.
Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-, hydrochloride (1:1)	No data available.

Results of PBT and vPvB assessment:

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Product	No data available.
Components:	
2-Propanol	No data available.
Phenol	No data available.
Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-, hydrochloride (1:1)	No data available.

Other adverse effects:

Other hazards	
Product:	No data available.

13. Disposal considerations

General information:	Dispose of waste and residues in accordance with local authority requirements. This product is highly flammable. Don't use fire to cut empty container after use.
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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.
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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.
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14. Transport information

International regulations

IATA

UN number or ID number:	UN 3316
Proper Shipping Name:	CHEMICAL KIT
Transport Hazard Class(es):	
Class:	9
Label(s):	9MI
Packing Group:	III
Environmental Hazards	
Marine Pollutant:	No
Limited quantity	
Special precautions for user:	–
Other information	
Passenger and cargo aircraft:	Forbidden.
Cargo aircraft only:	Forbidden.



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IMDG

UN number or ID number:	UN 3316
UN Proper Shipping Name:	CHEMICAL KIT
Transport Hazard Class(es)	
Class:	9
Label(s):	9
EmS No.:	F-A, S-P
Packing Group:	III
Environmental Hazards	
Marine Pollutant:	No
Limited quantity	
Special precautions for user:	—

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)
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:	27.10.2022
Revision Date:	No data available.No data available.



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Version #:	1.1
Further Information:	No data available.
References:	No data available.
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