

SAFETY DATA SHEET

Classified as hazardous in accordance with the criteria of EPA New Zealand

Section 1 - Identification

Product Identifier

Product Name <u>Carbon black</u>

Recommended Use Laboratory chemicals.
Uses advised against No Information available

Product Code various

Address Thermo Fisher Scientific New Zealand Ltd

244 Bush Road, Albany, Auckland, New Zealand

Emergency Tel. CHEMTREC®

09 980 6780 or +64 9 980 6780

Telephone / Fax Numbers Tel: 09 980 6700

Fax: 09 980 6788

E-mail address ANZinfo@thermofisher.com

Section 2 - Hazard(s) Identification

Classification under Work Safe New Zealand

Classified as hazardous in accordance with the criteria of EPA New Zealand

HSNO Approval Number HSR002596

GHS Classification

Physical hazards

Substances/mixtures which, in contact with water, emit flammable gases Category 1

Health hazards

Acute Oral Toxicity

Acute Inhalation Toxicity - Dusts and Mists

Serious Eye Damage/Eye Irritation

Caregory 1

Carcinogenicity

Reproductive Toxicity

; Effects on or via lactation

Category 1

Category 1

Category 2

Category 1

Category 1

Category 2

Category 1

Category 1

Specific target organ toxicity - (repeated exposure) Category 2

Environmental hazards

Chronic aquatic toxicity Category 3

Label Elements

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Contains The Non-rechargeable lithium-thionyl chloride batteries are not hazardous when used according to the recommendations of the manufacturer.

But if the design of the circuit doesn't forecast all the necessary cares to prevent the inversion of polarity in the assembly of the battery or the battery bt packs, there is the risk of dangers due to the explosion of the battery.



Signal Word

Danger

Hazard Statements

- H302 Harmful if swallowed
- H373 May cause damage to organs through prolonged or repeated exposure
- H330 Fatal if inhaled
- H362 May cause harm to breast-fed children
- H260 In contact with water releases flammable gases which may ignite spontaneously
- H314 Causes severe skin burns and eye damage
- H351 Suspected of causing cancer
- H360 May damage fertility or the unborn child
- H412 Harmful to aquatic life with long lasting effects

Prevention

- P260 Do not breathe dust/fume/gas/mist/vapors/spray
- P264 Wash face, hands and any exposed skin thoroughly after handling
- P270 Do not eat, drink or smoke when using this product
- P271 Use only outdoors or in a well-ventilated area
- P201 Obtain special instructions before use
- P202 Do not handle until all safety precautions have been read and understood
- P223 Do not allow contact with water
- P231 + P232 Handle and store contents under inert gas. Protect from moisture
- P280 Wear protective gloves/protective clothing/eye protection/face protection

Response

- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
- P330 Rinse mouth
- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 Immediately call a POISON CENTER or doctor
- P331 Do NOT induce vomiting
- P335 + P334 Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages
- P363 Wash contaminated clothing before reuse
- P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

Storage

P402 + P404 - Store in a dry place. Store in a closed container

Disposa

P501 - Dispose of contents/ container to an approved waste disposal plant

Other hazards which do not result in classification

Toxic to terrestrial vertebrates

This product does not contain any known or suspected endocrine disruptors

Reacts violently with water

Contact with water liberates toxic gas

Section 3 - Composition and Information on Ingredients

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| Component | CAS No | Weight % |
|-------------------|-----------|----------|
| Thionyl chloride | 7719-09-7 | 40-46 |
| Lithium | 7439-93-2 | 4-4.5 |
| Aluminum chloride | 7446-70-0 | 3-4 |
| Carbon black | 1333-86-4 | 3.8 |
| Lithium chloride | 7447-41-8 | 1-3 |

Section 4 - First Aid Measures

Description of first aid measures

General Advice If symptoms persist, call a physician.

New Zealand Emergency Tel. CHEMTREC®

09 980 6780 or +64 9 980 6780

Inhalation Remove to fresh air. Get medical attention. If not breathing, give artificial respiration.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get

medical attention.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Get medical attention.

Ingestion Clean mouth with water and drink afterwards plenty of water. Get medical attention if

symptoms occur.

Self-Protection of the First Aider Ensure that medical personnel are aware of the material(s) involved, take precautions to

protect themselves and prevent spread of contamination.

First Aid Facilities Eyewash, safety shower and washroom.

Most important symptoms and

effects

Causes burns by all exposure routes. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue

and danger of perforation

Notes to Physician Treat symptomatically.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media

Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.

Extinguishing media which must not be used for safety reasons

No information available.

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Combustion Products

None under normal use conditions.

Special protective equipment and precautions for fire fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 - Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

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Emergency procedures

Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

Environmental Precautions

Should not be released into the environment. See Section 12 for additional Ecological Information. Do not flush into surface water or sanitary sewer system.

Methods for Containment and Clean Up

Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal.

Precautions to prevent secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations

Reference to Other Sections

Refer to protective measures listed in Sections 8 and 13.

Section 7 - Handling and Storage

Precautions for Safe Handling

Advice on safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Corrosives area.

Incompatible Materials

None known.

AS/NZS 2243.10:2004, Safety in laboratories - Storage of chemicals

Section 8 - Exposure Controls and Personal Protection

Control parameters

Exposure limits

NZ - Workplace Exposure Standards and Biological Exposure Indices (6th edition). New Zealand Department of Labor **UK** - EH40/2005 Work Exposure Limits, Fourth edition. Published 2020.

AUS - Exposure Standards for Atmospheric Contaminants in the Occupational Environment - Guidance Note on the Interpretation of Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:3008(1995)] Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]

Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995) updated in August, 2005. Safe Work Australia

ACGIH - Threshold Limit Values - Ceiling (TLV-C) guidelines by the American Conference of Governmental Industrial Hygienists (ACGIH) for controlling worker exposure to airborne chemical concentrations in the workplace.

| Component | New Zealand WEL | Australia | ACGIH TLV | The United Kingdom |
|-------------------|--------------------------------|--------------------------|--------------------------|------------------------------------|
| Thionyl chloride | Ceiling: 1 ppm | | Ceiling: 0.2 ppm | STEL: 1 ppm 15 min |
| | Ceiling: 4.9 mg/m ³ | | | STEL: 4.9 mg/m ³ 15 min |
| Aluminum chloride | | TWA: 2 mg/m ³ | | STEL: 6 mg/m ³ 15 min |
| | | _ | | TWA: 2 mg/m ³ 8 hr |
| Carbon black | TWA: 3 mg/m ³ | TWA: 3 mg/m ³ | TWA: 3 mg/m ³ | STEL: 7 mg/m ³ 15 min |
| | | _ | _ | TWA: 3.5 mg/m ³ 8 hr |

Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific

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regulatory bodies

Appropriate engineering controls

Engineering Measures

Ensure that eyewash stations and safety showers are close to the workstation location. Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source

Individual protection measures, such as personal protective equipment

Eye Protection Goggles (Australian/New Zealand Standard AS/NZS 1337 - Eye protectors for Industrial

applications)

Hand Protection Protective gloves

| Glove material | Breakthrough time | Glove thickness | AUS/NZ Standard | Glove comments |
|--------------------|-------------------|-----------------|-----------------|-----------------------|
| Disposable gloves. | See manufacturers | - | AS/NZS 2161 | (minimum requirement) |
| | recommendations | | | |

Inspect gloves before use.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)

Ensure gloves are suitable for the task: Chemical compatability, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Remove gloves with care avoiding skin contamination.

Skin and body protection Long sleeved clothing

Repiratory Protection Use an AS/NZS 1716 approved respirator if exposure limits are exceeded or if irritation or

other symptoms are experienced. To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained in line with AS/NZS 1715 on the use

Solid

and maintenance of repiratory protective devices (or AUS/NZ equivalent)

When RPE is used a face piece Fit Test should be conducted

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls Prevent product from entering drains. Do not allow material to contaminate ground water

system.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State Solid

Appearance No information available
Odor No information available
Odor Threshold No data available

pH Not applicable
Melting Point/Range No data available
Softening Point No data available
Boiling Point/Range Not applicable
Flammability (liquid) Not applicable

Flammability (solid,gas) No information available

Explosion Limits No data available

Flash Point Not applicable Method - No information available

Autoignition Temperature Not applicable
Decomposition Temperature No data available

Viscosity Not applicable Solid

Water Solubility No information available

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Solubility in other solvents No information available

Partition Coefficient (n-octanol/water)

Component log Pow Lithium chloride -2.66

No data available **Vapor Pressure** No data available **Density / Specific Gravity** No data available **Bulk Density** Not applicable **Vapor Density**

Particle characteristics No data available

Other information

Substances/mixtures which, in contact with water, emit flammable Emitted gas ignites spontaneously

Solid

gases

Evaporation Rate Not applicable - Solid

Section 10 - Stability and Reactivity

Yes Reactivity

Stability Stable under normal conditions.

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing.

Conditions to Avoid Incompatible products, Excess heat, Avoid dust formation.

Incompatible Materials None known.

Hazardous Decomposition Products None under normal use conditions.

Section 11 - Toxicological Information

Acute Effects

Information on likely routes of exposure

Product Information

Inhalation Not an expected route of exposure. Not an expected route of exposure. Eyes

Skin No known effect based on information supplied.

Ingestion Not an expected route of exposure.

Numerical measures of toxicity

(a) acute toxicity;

Oral Category 4

Dermal Based on available data, the classification criteria are not met

Category 4 Inhalation

Toxicology data for the components

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|------------------|------------------------|-------------|-----------------------------|
| Thionyl chloride | LD50 = 270 mg/kg (Rat) | | LC50 = 2.717 mg/L (Rat) 4 h |

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| Aluminum chloride | LD50 = 380 mg/kg (Rat) | | |
|-------------------|----------------------------|--------------------------|----------------------------|
| Carbon black | LD50 > 15400 mg/kg (Rat) | LD50 > 3 g/kg (Rabbit) | LC50 > 4.6 mg/m³ (Rat) 4 h |
| Lithium chloride | LD50 = 526 mg/kg (Rat) | >2000 mg/kg (Rat) | >5.57 mg/L/4h (Rat) |

(b) skin corrosion/irritation; Category 1 A

(c) serious eye damage/irritation; Category 1

(d) respiratory or skin sensitization;

Respiratory No data available Skin No data available

(e) germ cell mutagenicity; No data available

(f) carcinogenicity; No data available

The table below indicates whether each agency has listed any ingredient as a carcinogen

| Component | New Zealand | Australia | New South Wales | Western Australia | IARC | EU | UK | Germany |
|--------------|-------------|-----------|--------------------|----------------------|----------|----|----|---------|
| Carbon black | Suspected | | | | Group 2B | | | Cat. 3B |
| | carcinogen | | | | | | | |

(g) reproductive toxicity; No data available

(h) STOT-single exposure; No data available

(i) STOT-repeated exposure; Category 2

Target Organs No information available.

(j) aspiration hazard; Not applicable

Solid

Symptoms / effects,both acute and delayed

Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation.

Section 12 - Ecological Information

Ecotoxicity

Aquatic ecotoxicity Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment. The product contains following substances which are hazardous for the

environment. Contains a substance which is:. Toxic to aquatic organisms.

| Component | Freshwater Fish | Water Flea | Freshwater Algae | Microtox |
|-------------------|--------------------|------------------------|------------------|----------|
| Aluminum chloride | Gambusia affinis: | EC50: 3.9 mg/L 48h | | |
| | LC50=27.1 mg/L 97h | EC50: 27.3 mg/L 48h | | |
| Carbon black | | EC50: > 5600 mg/L, 24h | | |
| | | (Daphnia magna) | | |
| Lithium chloride | EC50: 158 mg/L/96h | | | |

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| | (rainbow trout) | |
|-------------------------|-----------------------------------|--|
| Terrestrial ecotoxicity | There is no data for this product | |

Degradation in sewage treatment

Persistence and Degradability

Contains substances known to be hazardous to the environment or not degradable in waste

water treatment plants.

No information available

Bioaccumulative Potential No information available

| Component | log Pow | Bioconcentration factor (BCF) |
|------------------|---------|-------------------------------|
| Lithium chloride | -2.66 | No data available |

Mobility No information available.

Other adverse effects

Endocrine Disruptor Information Persistent Organic Pollutant Ozone Depletion Potential

This product does not contain any known or suspected endocrine disruptors

This product does not contain any known or suspected substance This product does not contain any known or suspected substance

Section 13 - Disposal Considerations

Waste treatment methods

Waste from Residues/Unused **Products**

Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with all federal, E.P.A., state and local regulations. Assure conformity with all applicable regulations.

Contaminated Packaging

Dispose of this container to hazardous or special waste collection point. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep product and empty container away from heat and sources of ignition.

Other Information

Disposal agencies or waste contractors must comply with the New Zealand Hazardous Substances (Disposal) Regulations. Waste codes should be assigned by the user based on the application for which the product was used. Do not flush to sewer. Can be landfilled or incinerated, when in compliance with local regulations. Do not empty into drains. Large amounts will affect pH and harm aquatic organisms.

Section 14 - Transport Information

| Component | Hazchem Code |
|---------------------|--------------|
| Thionyl chloride | 4WE |
| 7719-09-7 (40-46) | |
| Lithium | 4W |
| 7439-93-2 (4-4.5) | |
| Aluminum chloride | 4W |
| 7446-70-0 (3-4) | 2X |

NZS 5433:2020

UN-No UN3090

Proper Shipping Name LITHIUM METAL BATTERIES

Technical Shipping Name Lithium content exceeds the standard, so it belongs to dangerous goods.

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Hazard Class 9
Packing Group ||

IATA

UN-No UN3090

Proper Shipping Name LITHIUM METAL BATTERIES

Technical Shipping Name Lithium content exceeds the standard, so it belongs to dangerous goods.

Hazard Class 9
Packing Group ||

IMDG/IMO

UN-No UN3090

Proper Shipping Name LITHIUM METAL BATTERIES

Technical Shipping Name Lithium content exceeds the standard, so it belongs to dangerous goods.

Hazard Class 9
Packing Group ||

Environmental hazards No hazards identified

Transport in bulk according to Annex II of MARPOL 73/78 and the

IBC Code

Special Precautions

Not applicable, packaged goods

No special precautions required. Please refer to the applicable dangerous goods

regulations for additional information.

Additional information None known

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

| HSNO Approval Number | HSR002596 |
|----------------------|-----------|
| | |

National Regulations

There are no applicable tolerable exposure limits or environmental exposure limits according to the EPA Controls for Hazardous Substances

Certified handlers, tracking and controlled substance license requirements

Certified handlers are required for some substances. This includes substances requiring a controlled substance license, and most explosives, vertebrates toxic agents, and certain fumigants. Acutely toxic substances which are a Category 1 or 2, such as pesticides also require Certified handlers. Please check the Health and Safety at Work Act 2015 for further information. Tracking is required for some highly hazardous substances. These substances need to be under the control of an appropriately trained person or appropriately secured. Please check the Health and Safety at Work Act 2015 for further information.

Prohibition or notification/licensing requirements

Shown below are details of specific prohibition/notifications or licencing requirements when they apply.

| Component | New Zealand |
|--------------|----------------------|
| Carbon black | Suspected carcinogen |

International Regulations

Ozone Depletion Potential This product does not contain any known or suspected substance

Persistent Organic Pollutant This product does not contain any known or suspected substance

Rotterdam Convention (PIC) Not applicable

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Authorisation/Restrictions according to EU REACH

| Component | REACH (1907/2006) - Annex XIV - Substances Subject to Authorization | REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances | REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC) |
|-------------------|---|---|--|
| Thionyl chloride | - | Use restricted. See item 75. (see link for restriction details) | - |
| Lithium | - | Use restricted. See item 75. (see link for restriction details) | - |
| Aluminum chloride | - | Use restricted. See item 75. (see link for restriction details) | - |
| Carbon black | - | Use restricted. See item 75. (see link for restriction details) | - |

https://echa.europa.eu/substances-restricted-under-reach

International Inventories

New Zealand (NZIoC), Australia (AICS), Europe (EINECS/ELINCS/NLP), Korea (KECL), China (IECSC), Taiwan (TCSI), Japan (ISHL), Canada (DSL/NDSL), Philippines (PICCS). US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

| Component | CAS No | NZIoC | AICS | EINECS | ELINCS | NLP | KECL | IECSC | TCSI |
|-------------------|-----------|-------|------|-----------|-----------|-----|----------|-------|------|
| Thionyl chloride | 7719-09-7 | X | Х | 231-748-8 | - | - | KE-33794 | X | Х |
| Lithium | 7439-93-2 | Х | Χ | 231-102-5 | - | - | KE-22543 | Х | Х |
| Aluminum chloride | 7446-70-0 | X | Х | 231-208-1 | - | - | KE-01045 | X | Х |
| Carbon black | 1333-86-4 | Х | Χ | 215-609-9 | 435-640-3 | - | X | Х | Х |
| Lithium chloride | 7447-41-8 | Х | Х | 231-212-3 | - | - | KE-22552 | X | Х |

| Component | CAS No | TSCA | TSCA Inventory notification - Active-Inactive | DSL | NDSL | PICCS | ISHL | ENCS |
|-------------------|-----------|------|---|-----|------|-------|------|------|
| Thionyl chloride | 7719-09-7 | X | ACTIVE | X | - | X | Х | X |
| Lithium | 7439-93-2 | Х | ACTIVE | Х | - | X | - | Х |
| Aluminum chloride | 7446-70-0 | Х | ACTIVE | Х | - | Х | Х | Х |
| Carbon black | 1333-86-4 | Х | ACTIVE | X | - | X | Х | Х |
| Lithium chloride | 7447-41-8 | X | ACTIVE | Х | - | Х | Х | Х |

Legend: X - Listed '-' - Not Listed **KECL** - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

Section 16 - Other Information

This safety data sheet complies with the requirements of the EPA Hazardous Substances (Hazard Classification) Notice 2020 and WorkSafe New Zealand Regulations

Legend

NZIoC - New Zealand Inventory of Chemicals

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

IECSC - Chinese Inventory of Existing Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

TWA - Time Weighted Average

IARC - International Agency for Research on Cancer

NZS 5433:2020 - Transport of Dangerous Goods on Land

ICAO/IATA - International Civil Aviation Organization/International Air Transport Association

MARPOL - International Convention for the Prevention of Pollution from Ships

LD50 - Lethal Dose 50%

EC50 - Effective Concentration 50%

AICS - Australian Inventory of Chemical Substances

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japanese Existing and New Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

CAS - Chemical Abstracts Service

ACGIH - American Conference of Governmental Industrial Hygienists

PNEC - Predicted No Effect Concentration

OECD - Organisation for Economic Co-operation and Development **IMO/IMDG** - International Maritime Organization/International Maritime Dangerous Goods Code

 $\ensuremath{\mathbf{ADG}}$ - Australian Code for the Transport of Dangerous Goods by Road and Rail

LC50 - Lethal Concentration 50% **ATE** - Acute Toxicity Estimate

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WEL - Workplace Exposure Limit

DNEL - Derived No Effect Level

POW - Partition coefficient Octanol:Water vPvB - very Persistent, very Bioaccumulative

VOC - (Volatile Organic Compound)

RPE - Respiratory Protective Equipment NOEC - No Observed Effect Concentration

BCF - Bioconcentration factor

PBT - Persistent, Bioaccumulative, Toxic

Key literature references and sources for data

HSNO classifications provided in the New Zealand Chemical Classification Information Database (CCID).

https://echa.europa.eu/information-on-chemicals

Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECS

EPA Guide to classifying hazardous substances in New Zealand

EPA - Assigning a product to an existing HSNO approval guide

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards On basis of test data **Health Hazards** Calculation method **Environmental hazards** Calculation method

Training Advice

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

Revision Date 14-Jul-2023

Update to GHS format **Revision Summary**

Disclaimer

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

End of Safety Data Sheet

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