

Australian statement of hazardous nature: Classified as hazardous according to criteria of Safe Work Australia

Section 1 - Identification

Product Name Standard 1 Solution 0.5mg/L as Fluoride

Product Code HAC27438-11

Address ThermoFisher Scientific Australia Pty Ltd

5 Caribbean Drive, Scoresby VICTORIA 3179, Australia

Emergency Tel. CHEMTREC®

03 9757 4559 or +613 9757 4559

Telephone / Fax NumbersTel: 1300 735 292
Fax: 1800 067 639

ANZinfo@thermofisher.com

Recommended Use Laboratory chemicals.

Uses advised against

This product contains one or more substance(s) on the Illicit Drug Precursors/Reagents list.

Verify requirements related to using, handling and storing these substances. This product contains one or more substance(s) subject to Prohibition, Authorization or Restriction. Verify that requirements related to using, handling, and storing substances subject to prohibition, authorization or restriction are met. This product does not contain any substance(s) listed on the voluntary National Code of Practice for Chemicals of Security

Concern.

Section 2 - Hazard(s) Identification

Classification under Safe Work Australia

Classified as hazardous according to criteria of Safe Work Australia

Physical hazards

E-mail address

No hazards identified

Health hazards

Carcinogenicity Category 1B

Environmental hazards

No hazards identified

Label Elements



AUS-000206 Version 2 14-Jul-2023 Page 1/11

Signal Word Danger

Hazard Statements

H350 - May cause cancer

Precautionary Statements

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P403 - Store in a well-ventilated place

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

Other information

No information available

This product does not contain any known or suspected endocrine disruptors

Section 3 - Composition and Information on Ingredients

| Component | CAS No | Weight % |
|-----------------|-----------|----------|
| Water | 7732-18-5 | >99 |
| Sodium fluoride | 7681-49-4 | <0.1 |
| Methyl alcohol | 67-56-1 | <0.1 |
| Formaldehyde | 50-00-0 | <0.1 |

Section 4 - First Aid Measures

Inhalation Remove to fresh air.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes.

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

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

No information available.

Notes to Physician Treat symptomatically.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

No information available.

AUS-000206 Version 2 14-Jul-2023 Page 2 / 11

Specific Hazards Arising from the Chemical

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

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

Emergency procedures

Ensure adequate ventilation.

Environmental Precautions

See Section 12 for additional Ecological Information.

Methods for Containment and Clean Up

Clean-up methods - small spillage

Clean-up methods - large spillage

Typically only supplied is small quantiites as packaged goods.

If extremely toxic or used in larger quantities ensure a spillage action plan is in place. Evacuate area. Control the source and/or contain the spill if safe and able to do so. Use temporary diking, sand bags, dry sand, earth or proprietary booms/absorbent pads if available. Obtain advice on containment, neutralisation and clean-up from local emergency responders.

Reference to Other Sections

Refer to protective measures listed in Sections 8 and 13.

Section 7 - Handling and Storage

Precautions for Safe Handling

Ensure adequate ventilation.

Conditions for Safe Storage, Including any Incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

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

Section 8 - Exposure Controls and Personal Protection

Exposure limits

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)] 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.

UK - EH40/2005 Work Exposure Limits, Fourth edition. Published 2020.

DE - MAK and BAT values of Hazardous Chemical Compounds in the Work Area. Published by German Research Foundation on July 1, 2011

NZ - Workplace Exposure Standards and Biological Exposure Indices (6th edition). New Zealand Department of Labor

| | Component | Australia | New Zealand WEL | ACGIH TLV | The United Kingdom | Germany |
|---|-----------------|----------------------------|-----------------|----------------------------|------------------------------------|-----------------------------|
| Ī | Sodium fluoride | TWA: 2.5 mg/m ³ | | TWA: 2.5 mg/m ³ | STEL: 7.5 mg/m ³ 15 min | TWA: 1 mg/m ³ (8 |
| | | | | | TWA: 2.5 mg/m ³ 8 hr | Stunden). AGW - |
| | | | | | _ | exposure factor 4 |
| | | | | | | TWA: 1 mg/m ³ (8 |

AUS-000206 Version 2 14-Jul-2023 Page 3/11

| | | | | | Stunden). MAK Haut |
|----------------|--|--|---------------------------------------|---|--|
| Methyl alcohol | STEL: 250 ppm STEL: 328 mg/m³ TWA: 200 ppm TWA: 262 mg/m³ | TWA: 200 ppm TWA: 262 mg/m³ STEL: 250 ppm STEL: 328 mg/m³ Skin | TWA: 200 ppm STEL: 250 ppm Skin | WEL - TWA: 200 ppm TWA; 266 mg/m³ TWA WEL - STEL: 250 ppm STEL; 333 mg/m³ STEL | 100 ppm TWA MAK; 130 mg/m³ TWA MAKSkin absorber |
| Formaldehyde | STEL: 2 ppm STEL: 2.5 mg/m³ TWA: 1 ppm TWA: 1.2 mg/m³ | TWA: 0.3 ppm STEL: 0.6 ppm | TWA: 0.1 ppm STEL: 0.3 ppm | STEL: 2 ppm 15 min STEL: 2.5 mg/m³ 15 min TWA: 2 ppm 8 hr TWA: 2.5 mg/m³ 8 hr Carc. | TWA: 0.3 ppm (8 Stunden). AGW - exposure factor 2 TWA: 0.37 mg/m³ (8 Stunden). AGW - exposure factor 2 TWA: 0.3 ppm (8 Stunden). MAK no irritation should occur during mixed exposure TWA: 0.37 mg/m³ (8 Stunden). MAK no irritation should occur during mixed exposure Höhepunkt: 0.6 ppm Höhepunkt: 0.74 mg/m³ |

Biological limit values

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

| Component | Australia | New Zealand | European Union | United Kingdom | Germany |
|----------------|-----------|------------------------|----------------|----------------|--------------------------|
| Methyl alcohol | | 15 mg/L (urine) end of | | | Methanol: 15 mg/L urine |
| | | shift (Methyl alcohol) | | | (end of shift) |
| | | | | | Methanol: 15 mg/L urine |
| | | | | | (for long-term |
| | | | | | exposures: at the end of |
| | | | | | the shift after several |
| | | | | | shifts) |

Exposure Controls Engineering Measures

Ensure adequate ventilation, especially in confined areas.

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

Personal protective equipment

Eye Protection Wear safety glasses with side shields (or goggles) (Australian/New Zealand Standard

AS/NZS 1337 - Eye protectors for Industrial applications)

Hand Protection Protective gloves

| Glove material Natural rubber Nitrile rubber Neoprene | Breakthrough time See manufacturers recommendations | Glove thickness - | AUS/NZ Standard AS/NZS 2161 | Glove comments (minimum requirement) |
|---|---|----------------------|--------------------------------|---|
| | | | | |
| PVC | | | | |

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

AUS-000206 Version 2 14-Jul-2023 Page 4/11

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

Liquid

Liquid

and maintenance of repiratory protective devices

Recommended Filter type: Particulates filter conforming to EN 143 (or AUS/NZ equivalent)

Recommended half mask:- Particle filtering: EN149:2001 (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 No information available.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance Clear, colorless solution

Physical State Liquid

Odor
Odor Threshold
PH
No data available

Flash Point Not applicable Method - No information available

Evaporation Rate No data available Flammability (solid,gas) Not applicable

Explosion Limits No data available

Vapor Pressure No data available

Vapor Density No data available (Air = 1.0)

Specific Gravity / Density No data available
Bulk Density Not applicable

Water Solubility

No information available
Solubility in other solvents

No information available

Partition Coefficient (n-octanol/water)
Component log Pow
Methyl alcohol -0.74
Formaldehyde -0.35

Autoignition TemperatureNo data availableDecomposition TemperatureNo data availableViscosityNo data availableExplosive PropertiesNo information availableOxidizing PropertiesNo information available

Other information

Section 10 - Stability and Reactivity

Reactivity None known, based on information available

Stability Stable under normal conditions.

Conditions to Avoid Heat, flames and sparks.

Incompatible Materials None known.

Hazardous Decomposition Products None under normal use conditions.

AUS-000206 Version 2 14-Jul-2023 Page 5/11

Hazardous Polymerization No information available.

Section 11 - Toxicological Information

Information on Toxicological Effects

Product Information

(a) acute toxicity;

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

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|-----------------------------|--------------------------------|-------------------------------|-----------------------------|
| Water LD50 > 90 mL/kg (Rat) | | | |
| Sodium fluoride | LD50 = 52 mg/kg (Rat) | > 2000 mg/kg (Rat) | |
| Methyl alcohol | LD50 = 1187 – 2769 mg/kg (Rat) | LD50 = 17100 mg/kg (Rabbit) | LC50 = 128.2 mg/L (Rat) 4 h |
| Formaldehyde | 500 mg/kg (Rat) | LD50 = 270 mg/kg (Rabbit) | 0.578 mg/L (Rat) 4 h |

No data available (b) skin corrosion/irritation;

No data available (c) serious eye damage/irritation;

(d) respiratory or skin sensitization;

No data available Respiratory No data available Skin

| Component | Test method | Test species | Study result |
|-------------------|------------------------------------|--------------|-----------------|
| Methyl alcohol | OECD Test Guideline 406 | guinea pig | non-sensitising |
| 67-56-1 (<0.1) | Guinea Pig Maximisation Test | | _ |
| | (GPMT) | | |
| Formaldehyde | Skin sensitization Test method | Man | Sensitizer |
| 50-00-0 (< 0.1) | Patch Test | guinea pig | Sensitization |
| | Respiratory sensitization in vitro | | |

(e) germ cell mutagenicity; No data available

Category 1B (f) carcinogenicity;

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

| Component | Australia | New Zealand | | Western | IARC | EU | UK | Germany |
|----------------------------|-----------|---------------|-------|-----------|---------|--------------|-------|---------|
| | | | Wales | Australia | | | | |
| Formaldehyde | Cat 1B | Confirmed | | | Group 1 | Carc Cat. 1B | Cat 3 | |
| | | carcinogen | | | | | | |
| (a) reproductive toxicity: | | No data avail | able | | | | | |

| Component | Test method | Test species / Duration | Study result |
|------------------|-------------------------|-------------------------------|------------------------|
| Methyl alcohol | OECD Test Guideline 416 | Rat / Inhalation 2 Generation | NOAEC = 1.3 mg/l (air) |
| 67-56-1 (<0.1) | | | |

(h) STOT-single exposure; No data available

No data available (i) STOT-repeated exposure;

Target Organs No information available.

AUS-000206 Version 2 14-Jul-2023 Page 6/11 (i) aspiration hazard; No data available

Symptoms / effects,both acute and No information available

delayed

Section 12 - Ecological Information

Ecotoxicity effects

Contains no substances known to be hazardous to the environment or that are not

degradable in waste water treatment plants.

| Component | Freshwater Fish | Water Flea | Freshwater Algae | Microtox |
|-----------------|------------------------|-----------------------|------------------------|----------------------|
| Sodium fluoride | Lepomis macrochirus: | 338 mg/L EC50 = 48 h | EC50: = 850 mg/L, 72h | - |
| | 530 mg/L LC50 96 h | 98 mg/L EC50 = 48 h | static (Desmodesmus | |
| | (static) | (static) | subspicatus) | |
| | 830 mg/L LC50 96 h | | EC50: = 272 mg/L, 96h | |
| | (semi-static) | | (Pseudokirchneriella | |
| | Pimephales promelas: | | subcapitata) | |
| | 180 mg/L LC50 96 h | | | |
| | Oncorhynchus mykiss: | | | |
| | 38 - 68 mg/L LC50 96 h | | | |
| Methyl alcohol | | EC50 > 10000 mg/L 24h | | EC50 = 39000 mg/L 25 |
| | LC50 > 10000 mg/L 96h | | | min |
| | | | | EC50 = 40000 mg/L 15 |
| | | | | min |
| | | | | EC50 = 43000 mg/L 5 |
| | | | | min |
| Formaldehyde | Leuciscus idus: LC50 = | | EC50 (72h) = 4.89 mg/L | |
| | 15 mg/L 96h | EC50 = 2 mg/L 48h | (Desmodesmus | |
| | | | subspicatus) | |

Persistence and Degradability

No information available

| Component | Degradability |
|-------------------|--|
| Methyl alcohol | DT50 ~ 17.2d |
| 67-56-1 (< 0.1) | >94% after 20d |
| Formaldehyde | Readily biodegradable (OECD guideline 301A, 301C and 301D) |
| 50-00-0 (<0.1) | under aerobic and anaerobic conditions. |

Bioaccumulative Potential

No information available

| Component | log Pow | Bioconcentration factor (BCF) |
|----------------|---------|-------------------------------|
| Methyl alcohol | -0.74 | <10 dimensionless |
| Formaldehyde | -0.35 | No data available |

Mobility

No information available.

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 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.

Other Information

Chemical wastes should be disposed through a licensed commercial waste collection service. Waste codes should be assigned by the user based on the application for which

the product was used. Do not empty into drains.

Section 14 - Transport Information

IMDG/IMO Not regulated

AUS-000206 Version 2 14-Jul-2023 Page 7/11

ADG Not regulated

| Component | Hazchem Code |
|--------------------|--------------|
| Sodium fluoride | 2Z |
| 7681-49-4 (<0.1) | |
| Methyl alcohol | 2WE |
| 67-56-1 (<0.1) | |
| Formaldehyde | 2X |
| 50-00-0 (< 0.1) | 2W |

IATA Not regulated

Environmental hazards No hazards identified

Special Precautions No special precautions required

Additional information None known

Section 15 - Regulatory Information

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

National Regulations Australia

See section 8 for national exposure control parameters.

Standard for the Uniform Scheduling of Medicines and Poisons

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons.

| Component | Standard for the Uniform Scheduling of Medicines and Poisons |
|-----------------------------|--|
| Sodium fluoride - 7681-49-4 | Schedule 2 listed Schedule 3 listed |
| | Schedule 4 listed - in preparations for human use except when included in or expressly excluded from Schedule 2 or 3 |
| | Schedule 5 listed - in preparations except: in preparations for human use, or in preparations containing <=15 mg/kg of Fluoride ion;as Fluoride ion |
| | Schedule 6 listed - except: when included in Schedule 5, in preparations for human use, or in preparations containing <=15 mg/kg of Fluoride ion |
| Methyl alcohol - 67-56-1 | Schedule 5 listed - except its derivatives;in preparations except a) when included in Schedule 10, or b) in preparations containing <=2% of Methanol, or c) when Methanol is present only as a denaturant of Ethanol |
| | Schedule 6 listed - except its derivatives; except a) when included in Schedule 5, or b) when included in Schedule 10, or c) in preparations containing <=2% of Methanol Schedule 10 listed |
| Formaldehyde - 50-00-0 | Schedule 2 listed Schedule 6 listed - except its derivatives;in preparations as free Formaldehyde except: a) for human therapeutic use, b) in oral hygiene preparations, c) in nail hardener cosmetic preparations containing >=5% of free Formaldehyde, d) in nail hardener cosmetic preparations containing <=0.2% of free Formaldehyde when labelled with the warning statement: PROTECT CUTICLES WITH GREASE OR OIL, e) in all other cosmetic preparations, or f) in other preparations containing <=0.2% of free Formaldehyde when labelled with the warning statement: CONTAINS FORMALDEHYDE Schedule 10 listed |

Australian Industrial Chemicals Introduction Scheme (AICIS)

| Component | Australian Industrial Chemicals Introduction Scheme (AICIS) | Additional information |
|-------------------|---|------------------------|
| Water - 7732-18-5 | Present | - |

AUS-000206 Version 2 14-Jul-2023 Page 8/11

| Sodium fluoride - 7681-49-4 | Present | - |
|-----------------------------|---------|--|
| Methyl alcohol - 67-56-1 | Present | - |
| Formaldehyde - 50-00-0 | Present | Specific information requirement: Obligations to provide information apply. You must tell us within 28 days if the circumstances of your importation or manufacture (introduction) are different to those in our assessment. |

Australian - Illicit Drug Precursors/Reagents Substance List

This product contains one or more substance(s) on the Illicit Drug Precursors/Reagents list. Verify requirements related to using, handling and storing these substances.

Chemicals of Security Concern

This product does not contain any substance(s) listed on the voluntary National Code of Practice for Chemicals of Security Concern

| Component | Australian - Illicit Drug Precursors/Reagents Substance List | Chemicals of Security Concern |
|------------------------|---|-------------------------------|
| Formaldehyde - 50-00-0 | Category 2 | |

Legend

Category 2 - Chemicals and apparatus that require an End User Declaration when sold to non-account customers

National pollutant inventory

Subject to reporting requirements

| Component | National pollutant inventory |
|--------------------------|-----------------------------------|
| Methyl alcohol - 67-56-1 | 10 tonne/yr. Threshold category 1 |
| Formaldehyde - 50-00-0 | 10 tonne/yr. Threshold category 1 |

Prohibition or notification/licensing requirements

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

This product contains one or more substance(s) subject to Prohibition, Authorization or Restriction. Verify that requirements related to using, handling, and storing substances subject to prohibition, authorization or restriction are met.

| Component | Australia | New South Wales | Western Australia | New Zealand |
|------------------------|-----------|-----------------|-------------------|----------------------|
| Formaldehyde - 50-00-0 | Cat 1B | | | Confirmed carcinogen |

International Inventories

| Component | AICS | NZIoC | EINECS | ELINCS | TSCA | DSL | NDSL | PICCS | ENCS | ISHL | IECSC | KECL |
|-----------------|------|-------|-----------|--------|------|-----|------|-------|-------------|------|-------|----------|
| Water | Х | Х | 231-791-2 | - | Х | Х | - | Х | Х | | Х | KE-35400 |
| Sodium fluoride | Х | Х | 231-667-8 | - | Х | Х | - | Х | Х | Х | Х | KE-31540 |
| Methyl alcohol | Х | X | 200-659-6 | - | X | Х | - | Х | Х | Х | Х | KE-23193 |
| Formaldehyde | X | X | 200-001-8 | - | Х | Х | - | Х | Х | Х | Х | KE-17074 |

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

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

Basel convention on the control of transboundary movements of hazardous wastes and their dispoal

AUS-000206 Version 2 14-Jul-2023 Page 9/11

Not applicable.

| Component | CAS No | OECD HPV | Restriction of Hazardous Substances (RoHS) | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements |
|-----------------|-----------|----------|--|---|--|
| Water | 7732-18-5 | Listed | Not applicable | Not applicable | Not applicable |
| Sodium fluoride | 7681-49-4 | Listed | Not applicable | Not applicable | Not applicable |
| Methyl alcohol | 67-56-1 | Listed | Not applicable | 500 tonne | 5000 tonne |
| Formaldehyde | 50-00-0 | Listed | Not applicable | 5 tonne | 50 tonne |

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) |
|-----------------|---|---|--|
| Sodium fluoride | - | Use restricted. See item 75. (see link for restriction details) | - |
| Methyl alcohol | - | Use restricted. See item 69. (see link for restriction details) Use restricted. See item 75. (see link for restriction details) | - |
| Formaldehyde | - | Use restricted. See item 72. (see link for restriction details) Use restricted. See item 28. (see link for restriction details) Use restricted. See item 75. (see link for restriction details) | - |

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

Section 16 - Other Information

Legend

AICS - Australian Inventory of Chemical Substances

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

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

MARPOL - International Convention for the Prevention of Pollution from Ships

NZS 5433:2020 - Transport of Dangerous Goods on Land

LD50 - Lethal Dose 50%

EC50 - Effective Concentration 50% WEL - Workplace Exposure Limit DNEL - Derived No Effect Level

POW - Partition coefficient Octanol:Water

vPvB - very Persistent, very Bioaccumulative

VOC - (Volatile Organic Compound)

NZIoC - New Zealand Inventory of Chemicals

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

Predicted No Effect Concentration (PNEC)

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

OECD - Organisation for Economic Co-operation and Development

LC50 - Lethal Concentration 50% ATE - Acute Toxicity Estimate

RPE - Respiratory Protective Equipment

NOEC - No Observed Effect Concentration

BCF - Bioconcentration factor

PBT - Persistent, Bioaccumulative, Toxic

Key literature references and sources for data

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

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

AUS-000206 Version 2 14-Jul-2023 Page 10 / 11

Training Advice

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

Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.

First aid for chemical exposure, including the use of eye wash and safety showers.

Revision Date 14-Jul-2023

Revision Summary Update to GHS format.

This Safety Data Sheet (SDS) is prepared in accordance to and complies with the requirements of Safe Work Australia - Work Health and Safety Regulations (WHS Regulations).

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

AUS-000206 Version 2 14-Jul-2023 Page 11 / 11