

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

Section 1 - Identification

Product Name Sodium methoxide, ca 30% w/w in methanol

Synonyms Sodium methylate

Product Code B21872

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 Numbers Tel: 1300 735 292 Fax: 1800 067 639

ANZinfo@thermofisher.com

Recommended Use Laboratory chemicals.

Uses advised against

This product does not contain any substance(s) on the Illicit Drug Precursors/Reagents list.

This product does not contain any substance(s) subject to Prohibition, Authorization or Restriction. 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

Flammable liquids Category 3

Substances/mixtures corrosive to metal Category 1

Health hazards

Acute Oral ToxicityCategory 3Acute Dermal ToxicityCategory 3Acute Inhalation Toxicity - VaporsCategory 3Skin Corrosion/IrritationCategory 1 ASerious Eye Damage/Eye IrritationCategory 1

Specific target organ toxicity - (single exposure) Category 1

Environmental hazards

No hazards identified

Label Elements

ALFAAB21872 Version 3 29-Aug-2024 Page 1/11









Flame

Skull and Crossbones

Health Hazard

Signal Word

Danger

Hazard Statements

H226 - Flammable liquid and vapor

H290 - May be corrosive to metals

H301 - Toxic if swallowed

H311 - Toxic in contact with skin

H314 - Causes severe skin burns and eye damage

H331 - Toxic if inhaled

H370 - Causes damage to organs

AUH014 - Reacts violently with water

AUH071 - Corrosive to the respiratory tract

Precautionary Statements

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P234 - Keep only in original packaging

P240 - Ground and bond container and receiving equipment

P241 - Use explosion-proof electrical/ ventilating/ lighting equipment

P242 - Use non-sparking tools

P243 - Take action to prevent static discharges

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

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

P284 - Wear respiratory protection

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

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

P330 - Rinse mouth

P331 - Do NOT induce vomiting

P363 - Wash contaminated clothing before reuse

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

P390 - Absorb spillage to prevent material damage

P402 - Store in a dry place

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P406 - Store in corrosion resistant polypropylene container with a resistant inliner

P405 - Store locked up

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

Other information

Toxic to terrestrial vertebrates

This product does not contain any known or suspected endocrine disruptors

Section 3 - Composition and Information on Ingredients

| - | Component | CAS No | Weight % |
|---|------------------|----------|----------|
| | Methyl alcohol | 67-56-1 | 70 |
| | Sodium methoxide | 124-41-4 | 30 |

ALFAAB21872 Version 3 29-Aug-2024 Page 2 / 11

Section 4 - First Aid Measures

Inhalation If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim

ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Remove to fresh

air. Immediate medical attention is required.

Ingestion Do NOT induce vomiting. Call a physician or poison control center immediately.

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

attention is required.

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

the case of contact with eyes, rinse immediately with plenty of water and seek medical

advice.

General Advice Show this safety data sheet to the doctor in attendance. Immediate medical attention is

required.

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. Difficulty in breathing. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting: 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. Symptoms may be delayed.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media

CO₂, dry chemical, dry sand, alcohol-resistant foam. Water mist may be used to cool closed containers.

Extinguishing media which must not be used for safety reasons

Water.

Hazardous Decomposition Products

Carbon monoxide (CO), Carbon dioxide (CO₂), Thermal decomposition can lead to release of irritating gases and vapors, Sodium oxides.

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors. The product causes burns of eyes, skin and mucous membranes. Reacts violently with water.

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

Section 6 - Accidental Release Measures

Emergency procedures

Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away

ALFAAB21872 Version 3 29-Aug-2024 Page 3 / 11

from and upwind of spill/leak.

Environmental Precautions

Should not be released into the environment. See Section 12 for additional Ecological Information.

Methods for Containment and Clean Up

Clean-up methods - small spillage

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Do not expose spill to water.

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

Wear personal protective equipment/face protection. Do not get in eyes, on skin, or on clothing. Use only under a chemical fume hood. Do not breathe mist/vapors/spray. Do not ingest. If swallowed then seek immediate medical assistance. Do not allow contact with water. Handle under an inert atmosphere.

Conditions for Safe Storage, Including any Incompatibilities

Keep away from water or moist air. Keep away from heat, sparks and flame. Store indoors. Flammables area. Corrosives area. Keep containers tightly closed in a dry, cool and well-ventilated place. Store under an inert atmosphere. Keep container tightly closed in a dry and well-ventilated place. Protect from moisture.

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

AS 1940-2004 - The storage and handling of flammable and combustible liquids

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 |
|----------------|-----------------------------|-----------------------------|---------------|----------------------------------|---------------------------|
| Methyl alcohol | STEL: 250 ppm | TWA: 200 ppm | TWA: 200 ppm | WEL - TWA: 200 ppm | 100 ppm TWA MAK; |
| | STEL: 328 mg/m ³ | TWA: 262 mg/m ³ | STEL: 250 ppm | TWA; 266 mg/m ³ TWA | 130 mg/m ³ TWA |
| | TWA: 200 ppm | STEL: 250 ppm | Skin | WEL - STEL: 250 ppm | MAKSkin absorber |
| | TWA: 262 mg/m ³ | STEL: 328 mg/m ³ | | STEL; 333 mg/m ³ STEL | |
| | _ | Skin | | _ | |

Biological limit values

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

| | | Component | Australia | New Zealand | European Union | United Kingdom | Germany |
|--|--|-----------|-----------|-------------|----------------|----------------|---------|
|--|--|-----------|-----------|-------------|----------------|----------------|---------|

ALFAAB21872 Version 3 29-Aug-2024 Page 4/11

Sodium methoxide, ca 30% w/w in methanol

SAFETY DATA SHEET

| Methyl alcohol | 15 mg/L (urir | | 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

Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location. Use explosion-proof electrical/ventilating/lighting equipment. 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 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 |
|----------------|-------------------|-----------------|-----------------|-----------------------|
| Nitrile rubber | See manufacturers | - | AS/NZS 2161 | (minimum requirement) |
| Viton (R) | 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

@ 760 mmHg

and maintenance of repiratory protective devices

Recommended Filter type: Organic gases and vapours filter Type A Brown conforming to EN14387 (or AUS/NZ

equivalent)

Recommended half mask:- Valve filtering: EN405 or Half mask: EN140 plus filter, EN 141 (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 Light yellow Liquid

Odor Alcohol-like
Odor Threshold No data available

pH No information available **Melting Point/Range** 1 - 5 $^{\circ}$ C / 33.8 - 41 $^{\circ}$ F

Softening Point No data available
Boiling Point/Range 93 °C / 199.4 °F

Flash Point 33 °C / 91.4 °F

ALFAAB21872 Version 3 29-Aug-2024 Page 5/11

Method - No information available

Liquid

(Air = 1.0)

explosive air/vapour mixtures possible

Liquid

Evaporation Rate No data available Not applicable Flammability (solid,gas) **Explosion Limits** Lower 5.5 vol%

Upper 44 vol%

150 hPa @ 50 °C **Vapor Pressure Vapor Density** No data available

Specific Gravity / Density 0.97

Bulk Density Not applicable Water Solubility Reacts with water No information available Solubility in other solvents

Partition Coefficient (n-octanol/water)

Component log Pow Methyl alcohol -0.74Sodium methoxide -0.75

Autoignition Temperature 240 °C / 464 °F **Decomposition Temperature** No data available **Viscosity** No data available

Explosive Properties

Oxidizing Properties No information available

Other information

Section 10 - Stability and Reactivity

Yes Reactivity

Stability Moisture sensitive.

Conditions to Avoid Exposure to moist air or water, Keep away from open flames, hot surfaces and sources of

ignition, Exposure to moisture.

Incompatible Materials Strong oxidizing agents, Acids.

Hazardous Decomposition Products Carbon monoxide (CO). Carbon dioxide (CO2). Thermal decomposition can lead to release

of irritating gases and vapors. Sodium oxides.

Hazardous Polymerization Hazardous polymerization does not occur.

Section 11 - Toxicological Information

Information on Toxicological Effects

Product Information

(a) acute toxicity:

Oral No data available **Dermal** No data available Inhalation No data available

Toxicology data for the components

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|------------------|--------------------------------|-------------------------------|-----------------------------|
| Methyl alcohol | LD50 = 1187 – 2769 mg/kg (Rat) | LD50 = 17100 mg/kg (Rabbit) | LC50 = 128.2 mg/L (Rat) 4 h |
| Sodium methoxide | 1687 mg/kg (Rat) | >2000 mg/kg (Rat) | |

No data available (b) skin corrosion/irritation;

ALFAAB21872 Version 3 Page 6/11 29-Aug-2024

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

(d) respiratory or skin sensitization;

Respiratory No data available Skin No data available

| Component | Test method | Test species | Study result |
|----------------|------------------------------|--------------|-----------------|
| Methyl alcohol | OECD Test Guideline 406 | guinea pig | non-sensitising |
| 67-56-1 (70) | Guinea Pig Maximisation Test | | _ |
| | (GPMT) | | |

(e) germ cell mutagenicity; No data available

(f) carcinogenicity; No data available

There are no known carcinogenic chemicals in this product

(q) reproductive toxicity; No data available

| 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 (70) | | | |

Reproductive Effects California Proposition 65 Reproductive toxicity

No data available (h) STOT-single exposure;

Results / Target organs Optic nerve

Central nervous system (CNS)

No data available (i) STOT-repeated exposure;

No information available. **Target Organs**

(j) aspiration hazard; No data available

delayed

Symptoms / effects,both acute and Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting: 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 effects Reacts with water so no ecotoxicity data for the substance is available.

| Component | Freshwater Fish | Water Flea | Freshwater Algae | Microtox |
|----------------|-----------------------|-----------------------|------------------|----------------------|
| Methyl alcohol | Pimephales promelas: | 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 |

Persistence and Degradability No information available

Persistence Persistence is unlikely, based on information available.

Reacts with water, No information available. Degradability

| Component | Degradability |
|----------------|----------------|
| Methyl alcohol | DT50 ~ 17.2d |
| 67-56-1 (70) | >94% after 20d |

Degradation in sewage treatment plant

Water reactive. No information available.

Bioaccumulative Potential Product does not bioaccumulate due to reaction with water

| Component | log Pow | Bioconcentration factor (BCF) |
|----------------|---------|-------------------------------|
| Methyl alcohol | -0.74 | <10 dimensionless |

ALFAAB21872 Version 3 Page 7/11 29-Aug-2024

| -0.75 | No data available | |
|---|--|--|
| Reacts with water. : Is not likely mobile in the environment | | |
| 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 | | |
| | Reacts with water. : Is not likely mobile in the This product does not contain any known or su This product does not contain any known or su | |

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. 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

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 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

IMDG/IMO

UN-No UN1289

Proper Shipping Name SODIUM METHYLATE SOLUTION

Hazard Class 3
Subsidiary Hazard Class 8
Packing Group III

ADG

UN-No UN1289

Proper Shipping Name SODIUM METHYLATE SOLUTION

Hazard Class 3
Subsidiary Hazard Class 8
Packing Group III

| Component | Hazchem Code | | |
|------------------|--------------|--|--|
| Methyl alcohol | 2WE | | |
| 67-56-1 (70) | | | |
| Sodium methoxide | 2WE | | |
| 124-41-4 (30) | 2W | | |
| | 1W | | |

IATA

UN-No UN1289

Proper Shipping Name SODIUM METHYLATE SOLUTION

Hazard Class 3
Subsidiary Hazard Class 8
Packing Group III

Environmental hazards No hazards identified

Special Precautions No special precautions required

ALFAAB21872 Version 3 29-Aug-2024 Page 8/11

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 | | | |
|--------------------------|--|--|--|--|
| 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 | | | |

Australian Industrial Chemicals Introduction Scheme (AICIS)

| Component | Australian Industrial Chemicals Introduction Scheme (AICIS) | Additional information | |
|-----------------------------|---|------------------------|--|
| Methyl alcohol - 67-56-1 | Present | - | |
| Sodium methoxide - 124-41-4 | Present | - | |

Australian - Illicit Drug Precursors/Reagents Substance List

This product does not contain any substance(s) on the Illicit Drug Precursors/Reagents list.

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

National pollutant inventory Subject to reporting requirements

| ı | Component | National pollutant inventory |
|---|--------------------------|-----------------------------------|
| 1 | Methyl alcohol - 67-56-1 | 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 does not contain any substance(s) subject to Prohibition, Authorization or Restriction.

International Inventories

| Component | AICS | NZIoC | EINECS | ELINCS | TSCA | DSL | NDSL | PICCS | ENCS | ISHL | IECSC | KECL |
|------------------|------|-------|-----------|--------|------|-----|------|-------|-------------|------|-------|----------|
| Methyl alcohol | Х | Х | 200-659-6 | - | X | Х | - | Х | Х | Х | Х | KE-23193 |
| Sodium methoxide | Х | Х | 204-699-5 | - | X | Х | - | Х | Х | Х | Х | KE-23196 |

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

ALFAAB21872 Version 3 29-Aug-2024 Page 9 / 11

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 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 |
|------------------|----------|----------|--|---|--|
| Methyl alcohol | 67-56-1 | Listed | Not applicable | 500 tonne | 5000 tonne |
| Sodium methoxide | 124-41-4 | Listed | Not applicable | Not applicable | Not applicable |

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) |
|------------------|---|---|--|
| Methyl alcohol | - | Use restricted. See entry 69. (see link for restriction details) Use restricted. See entry 75. (see link for restriction details) | - |
| Sodium methoxide | - | Use restricted. See entry 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

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

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

ALFAAB21872 Version 3 29-Aug-2024 Page 10/11 VOC - (Volatile Organic Compound)

Key literature references and sources for data

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

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

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

Physical hazards
Health Hazards
Calculation method
Environmental hazards
Cn basis of test data
Calculation method

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.

Fire prevention and fighting, identifying hazards and risks, static electricity, explosive atmospheres posed by vapours and dusts. Chemical incident response training.

Revision Date 29-Aug-2024

Revision Summary New emergency telephone response service provider.

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

ALFAAB21872 Version 3 29-Aug-2024 Page 11 / 11