



Safety Data Sheet

Sodium tripolyphosphate

Revision 4, 22/08/2024

1. IDENTIFICATION

Product Name	Sodium tripolyphosphate
Other Names	Pentasodium triphosphate; STPP
Uses	Detergent; Water conditioning agent; Food additive.
Chemical Family	No Data Available
Chemical Formula	Na ₅ P ₃ O ₁₀
Chemical Name	Triphosphoric acid, pentasodium salt
Product Description	No Data Available

Contact Details of the Supplier of this Safety Data Sheet

Organisation	Location	Telephone
Aurora Cleaning Supplies	F1 / 5 Bungaleen Court Dandenong South VIC 3175	03 9768 2669

Emergency Contact Details

For emergencies only; DO NOT contact these companies for general product advice.

Organisation	Location	Telephone
Chemcall	Australia	1800-127406 +64-4-9179888
Chemcall	Malaysia	+64-4-9179888
Chemcall	New Zealand	0800-243622 +64-4-9179888
National Poisons Centre	New Zealand	0800-764766
CHEMTREC	USA & Canada	1-800-424-9300 CN723420 +1-703-527-3887

2. HAZARD IDENTIFICATION

Poisons Schedule (Aust) Not Scheduled

Globally Harmonised System

Hazard Classification		Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)	
Hazard Categories		Serious Eye Damage/Irritation - Category 2A Specific Target Organ Toxicity (Single Exposure) - Category 3	
Pictograms			
Signal Word		Warning	
Hazard Statements		H319	Causes serious eye irritation.
		H335	May cause respiratory irritation.
Precautionary Statements	Prevention	P280	Wear protective gloves/eye protection/face protection.
		P261	Avoid breathing dusts or mists.
		P271	Use only outdoors or in a well-ventilated area.
	Response	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		P337 + P313	If eye irritation persists: Get medical advice/attention.
		P312	Call a POISON CENTER or doctor/physician if you feel unwell.
		P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	Storage	P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
		P405	Store locked up.
	Disposal	P501	Dispose of contents/container in accordance with local / regional / national / international regulations.

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
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Safe Work Australia

National Guide for Classifying Hazardous Chemicals under the Model WHS Regulations

Hazard Classification	Hazardous according to the criteria of Safe Work Australia under Model WHS Regulations
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Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

HSNO Classifications	Health Hazards	6.1E	Substances that are acutely toxic –May be harmful, Aspiration hazard
		6.4A	Substances that are irritating to the eye

3. COMPOSITION/INFORMATION ON INGREDIENTS**Ingredients**

Chemical Entity	Formula	CAS Number	Proportion
Sodium tripolyphosphate	Na ₂ HPO ₄	7758-29-4	<=100 %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed	IF SWALLOWED: Rinse mouth, then drink plenty of water. Do not induce vomiting. Get medical advice/attention if you feel unwell. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Never give anything by mouth to an unconscious person.
Eye	IF IN EYES: Promptly flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.
Skin	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.
Inhaled	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention. Apply resuscitation if victim is not breathing. Administer oxygen if breathing is difficult.
Advice to Doctor	Treat symptomatically.
Medical Conditions Aggravated by Exposure	No information available.

5. FIRE FIGHTING MEASURES

General Measures	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.
Flammability Conditions	Non-combustible; Not considered a significant fire risk, however containers may burn.
Extinguishing Media	If material is involved in a fire, use dry chemical, Carbon dioxide (CO ₂), foam or water spray for extinction - Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Fire and Explosion Hazard	May emit poisonous fumes.
Hazardous Products of Combustion	Fire or heat may produce irritating, toxic and/or corrosive fumes, including Phosphorus oxides (PO _x), metal oxides.
Special Fire Fighting Instructions	Contain runoff from fire control or dilution water - Runoff may pollute waterways.
Personal Protective Equipment	Wear self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural firefighter's uniform may provide limited protection.
Flash Point	No Data Available
Lower Explosion Limit	No Data Available
Upper Explosion Limit	No Data Available
Auto Ignition Temperature	No Data Available
Hazchem Code	No Data Available

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure	Ensure adequate ventilation. Do not touch or walk through spilled material. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing.
Clean Up Procedures	Collect material (dry-sweep or vacuum up) and place it in suitable, properly labelled containers for recovery or disposal (see SECTION 13).
Containment	Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Prevent dust cloud.
Decontamination	Rinse away residues with water. Prevent entry into drains and waterways.

Environmental Precautionary Measures**Evacuation Criteria**

Spill or leak area should be isolated immediately. Keep unauthorised personnel away.

Personal Precautionary Measures

Use personal protective equipment as required (see SECTION 8).

7. HANDLING AND STORAGE**Handling**

Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation - Use only outdoors or in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Avoid breathing dust and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8).

Storage

Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep containers closed when not in use - Check regularly for leaks/spills. Avoid physical damage to containers. Protect from moisture. Keep away from foodstuffs and incompatible materials (see SECTION 10). Store locked up.

Container

Keep in the original container, polyethylene or polypropylene container. Check all containers are clearly labelled and free from leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**General**

No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards:

- Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m³ (measured as inhalable dust).
- New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m³; TWA = 3 mg/m³ (respirable dust).

Exposure Limits

No Data Available

Biological Limits

No information available.

Engineering Measures

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.

Personal Protection Equipment

- Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Dust mask/particulate filter respirator (refer to AS/NZS 1715 & 1716).
- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: safety glasses with side shields or chemical goggles.
- Hand protection: Handle with gloves. Recommended: Impervious gloves.
- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes.

Special Hazards Precautions

No information available.

Work Hygienic Practices

When handling, do not eat, drink or smoke. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Launder contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical State**

Solid

Appearance

Powder or granules

Odour

Odourless

Colour

White

pH

9.2 - 10.2 10 g/l @ 20 °C

Vapour Pressure

No Data Available

Relative Vapour Density

No Data Available

Boiling Point

No Data Available

Melting Point

approx. 600 °C

Freezing Point	No Data Available
Solubility	Miscible with water
Specific Gravity	0.6 - 1.0 (Water = 1)
Flash Point	No Data Available
Auto Ignition Temp	No Data Available
Evaporation Rate	No Data Available
Bulk Density	380 - 1,000 kg/m ³
Corrosion Rate	No Data Available
Decomposition Temperature	>600 °C
Density	No Data Available
Specific Heat	No Data Available
Molecular Weight	367.86
Net Propellant Weight	No Data Available
Octanol Water Coefficient	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	0.5 - 1 %
VOC Volume	No Data Available
Additional Characteristics	No information available.
Potential for Dust Explosion	No information available.
Fast or Intensely Burning Characteristics	No information available.
Flame Propagation or Burning Rate of Solid Materials	No information available.
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No information available.
Properties That May Initiate or Contribute to Fire Intensity	Non-combustible; Not considered a significant fire risk, however containers may burn.
Reactions That Release Gases or Vapours	May emit poisonous fumes, including Phosphorus oxides (PO _x), metal oxides.
Release of Invisible Flammable Vapours and Gases	Reacts with metals liberating flammable hydrogen gas.

10. STABILITY AND REACTIVITY

General Information	Reacts with metals liberating flammable hydrogen gas. Phosphates are susceptible to formation of highly toxic and flammable phosphine gas in the presence of strong reducing agents, such as hydrides.
Chemical Stability	Stable under recommended storage conditions.
Conditions to Avoid	Keep away from heat. Protect from moisture.
Materials to Avoid	Incompatible/reactive with oxidising agents, reducing agents, metals.
Hazardous Decomposition Products	May emit poisonous fumes, including Phosphorus oxides (PO _x), metal oxides.
Hazardous Polymerisation	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

General Information

- Acute toxicity: Use as a food additive indicates good tolerance of small amounts, but excessive amounts or overuse may bring irritant and/or harmful effects. Effects can include vomiting, tiredness, fever, diarrhoea, low blood pressure, slow pulse, cyanosis, spasms of the wrist, coma and severe body spasms.
- Skin corrosion/irritation: There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons.
- Eye damage/irritation: Causes serious eye irritation.
- Respiratory/skin sensitisation: No information available.
- Germ cell mutagenicity: Inorganic phosphates have not been shown to cause genetic damage in animal tests.
- Carcinogenicity: Inorganic phosphates have not been shown to cause cancer in animal tests.
- Reproductive toxicity: Inorganic phosphates have not been shown to cause reproductive or developmental damage in animal tests.
- STOT (single exposure): May cause respiratory irritation.
- STOT (repeated exposure): In long-term animal studies, inorganic polyphosphates produced growth inhibition, increased kidney weights, bone decalcification, enlargement of the parathyroid gland, inorganic phosphate in the urine, focal necrosis of the kidney and alterations of muscle fibre size.
- Aspiration toxicity: No information available.

Acute**Ingestion**

Acute toxicity (Oral):
- LD50, Rat: >2,000 mg/kg [Supplier's SDS].

Other

Acute toxicity (Dermal):
- LD50, Rabbit: >3,160 mg/kg [Supplier's SDS].

Carcinogen Category

None

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Aquatic toxicity:
- EC50, Crustacea: >100 mg/L (48 h) [Supplier's SDS].
- EC50, Algae/aquatic plants: 69.2 mg/L (96 h) [Supplier's SDS].
Toxicity to Bacteria:
- EC50, Activated sludge: >1,000 mg/l (48 h) [OECD 209].

Persistence/Degradability

Not applicable to inorganic compounds.

Mobility

No information available.

Environmental Fate

Inorganic compounds in contact with the soil, subsurface or surface waters may be taken up by plants and utilised as essential nutrients. The principal problems of phosphate contamination of the environment relates to eutrophication processes in lakes and ponds. Phosphates may also form precipitates, usually in the form of calcium or magnesium. The resultant compounds are insoluble in water and become part of the soil or sediment.

Bioaccumulation Potential

No information available.

Environmental Impact

No Data Available

13. DISPOSAL CONSIDERATIONS**General Information**

Recycle wherever possible or dispose of contents/container in accordance with local/regional/national regulations.

Special Precautions for Land Fill

No information available.

14. TRANSPORT INFORMATION**Land Transport (Australia)**

ADG Code

Proper Shipping Name

Sodium tripolyphosphate

Class

No Data Available

Subsidiary Risk(s)

No Data Available

	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (Malaysia)

ADR Code

Proper Shipping Name	Sodium tripolyphosphate
Class	No Data Available
Subsidiary Risk(s)	No Data Available
	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (New Zealand)

NZS5433

Proper Shipping Name	Sodium tripolyphosphate
Class	No Data Available
Subsidiary Risk(s)	No Data Available
	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (United States of America)

US DOT

Proper Shipping Name	Sodium tripolyphosphate
Class	No Data Available
Subsidiary Risk(s)	No Data Available
	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for LAND transport.

Sea Transport

IMDG Code

Proper Shipping Name	Sodium tripolyphosphate
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available

Pack Group	No Data Available
Special Provision	No Data Available
EMS	No Data Available
Marine Pollutant	No
Comments	NON-DANGEROUS GOODS: Not regulated for SEA transport.

Air Transport

IATA DGR

Proper Shipping Name	Sodium tripolyphosphate
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for AIR transport.

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
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15. REGULATORY INFORMATION

General Information	No Data Available
Poisons Schedule (Aust)	Not Scheduled

Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

Approval Code	HSR003416
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National/Regional Inventories

Australia (AICS)	Listed
Canada (DSL)	Not Determined
Canada (NDSL)	Not Determined
China (IECSC)	Not Determined
Europe (EINECS)	231-838-7
Europe (REACH)	Not Determined
Japan (ENCS/METI)	Not Determined
Korea (KECI)	Not Determined
Malaysia (EHS Register)	Not Determined

New Zealand (NZIoC)	Listed
Philippines (PICCS)	Not Determined
Switzerland (Giftliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (NCSR)	Not Determined
USA (TSCA)	Not Determined

16. OTHER INFORMATION

Related Product Codes

SOTRIF1000, SOTRIF1001, SOTRIF1002, SOTRIF1003, SOTRIF1004, SOTRIF1005, SOTRIF1006, SOTRIF1007, SOTRIF1008, SOTRIF1009, SOTRIF1300, SOTRIF1500, SOTRIF1501, SOTRIF1600, SOTRIF1700, SOTRIF1800, SOTRIF1801, SOTRIF1802, SOTRIF1803, SOTRIF1804, SOTRIF1805, SOTRIF1806, SOTRIF1807, SOTRIF1900, SOTRIF2000, SOTRIF2001, SOTRIF2002, SOTRIF2003, SOTRIF2100, SOTRIF2200, SOTRIF2500, SOTRIF2600, SOTRIF2700, SOTRIF3000, SOTRIF3100, SOTRIF3200, SOTRIF3300, SOTRIF3301, SOTRIF3303, SOTRIF3320, SOTRIF3321, SOTRIF3323, SOTRIF3340, SOTRIF4000, SOTRIF4001, SOTRIF4100, SOTRIF4200, SOTRIF4300, SOTRIF4400, SOTRIF5000, SOTRIF5100, SOTRIF5200, SOTRIF5300, SOTRIF5400, SOTRIF5500, SOTRIF5600, SOTRIF5700, SOTRIF6000, SOTRIF6010, SOTRIF6200, SOTRIF6400, SOTRIF7000, SOTRIF7030, SOTRIF7100, SOTRIF7200, SOTRIF7300, SOTRIF7400, SOTRIF7420, SOTRIF7500, SOTRIF7600, SOTRIF7800, SOTRIF8000, SOTRIF8100, SOTRIF8200, SOTRIF8300, SOTRIF8301, SOTRIF8302, SOTRIF8400, SOTRIF8500, SOTRIF8600, SOTRIF8700, SOTRIF8701, SOTRIF9300, SOTRIF9900, SOTRIP0300, SOTRIP0400, SOTRIP0500, SOTRIP0600, SOTRIP0700, SOTRIP0800, SOTRIP0801, SOTRIP0900, SOTRIP1000, SOTRIP1001, SOTRIP1002, SOTRIP1003, SOTRIP1004, SOTRIP1005, SOTRIP1006, SOTRIP1007, SOTRIP1008, SOTRIP1009, SOTRIP1010, SOTRIP1011, SOTRIP1012, SOTRIP1013, SOTRIP1014, SOTRIP1015, SOTRIP1016, SOTRIP1017, SOTRIP1018, SOTRIP1019, SOTRIP1020, SOTRIP1021, SOTRIP1022, SOTRIP1023, SOTRIP1024, SOTRIP1025, SOTRIP1026, SOTRIP1027, SOTRIP1028, SOTRIP1029, SOTRIP1030, SOTRIP1031, SOTRIP1032, SOTRIP1033, SOTRIP1034, SOTRIP1035, SOTRIP1036, SOTRIP1037, SOTRIP1038, SOTRIP1039, SOTRIP1040, SOTRIP1041, SOTRIP1042, SOTRIP1043, SOTRIP1044, SOTRIP1045, SOTRIP1046, SOTRIP1047, SOTRIP1048, SOTRIP1049, SOTRIP1050, SOTRIP1051, SOTRIP1052, SOTRIP1053, SOTRIP1054, SOTRIP1100, SOTRIP1200, SOTRIP1201, SOTRIP1202, SOTRIP1300, SOTRIP1400, SOTRIP1500, SOTRIP1600, SOTRIP1700, SOTRIP1800, SOTRIP1801, SOTRIP1802, SOTRIP1803, SOTRIP1804, SOTRIP1805, SOTRIP1806, SOTRIP1807, SOTRIP1808, SOTRIP1809, SOTRIP1810, SOTRIP1811, SOTRIP1812, SOTRIP1813, SOTRIP1814, SOTRIP1815, SOTRIP1816, SOTRIP1817, SOTRIP1818, SOTRIP1819, SOTRIP1820, SOTRIP1900, SOTRIP2000, SOTRIP2001, SOTRIP2002, SOTRIP2003, SOTRIP2004, SOTRIP2005, SOTRIP2006, SOTRIP2007, SOTRIP2008, SOTRIP2009, SOTRIP2010, SOTRIP2011, SOTRIP2012, SOTRIP2013, SOTRIP2014, SOTRIP2100, SOTRIP2200, SOTRIP2201, SOTRIP2300, SOTRIP2301, SOTRIP2400, SOTRIP2500, SOTRIP2505, SOTRIP2600, SOTRIP2601, SOTRIP2602, SOTRIP2603, SOTRIP2700, SOTRIP2800, SOTRIP2900, SOTRIP3000, SOTRIP3001, SOTRIP3010, SOTRIP3020, SOTRIP3030, SOTRIP3040, SOTRIP3050, SOTRIP3060, SOTRIP3100, SOTRIP3200, SOTRIP3300, SOTRIP3301, SOTRIP3400, SOTRIP3500, SOTRIP3600, SOTRIP3610, SOTRIP3700, SOTRIP3800, SOTRIP4000, SOTRIP4001, SOTRIP4002, SOTRIP4003, SOTRIP4004, SOTRIP4100, SOTRIP4200, SOTRIP4201, SOTRIP4300, SOTRIP4500, SOTRIP4900, SOTRIP5000, SOTRIP5001, SOTRIP5002, SOTRIP5003, SOTRIP5004, SOTRIP5005, SOTRIP5006, SOTRIP5007, SOTRIP5008, SOTRIP5009, SOTRIP5010, SOTRIP5011, SOTRIP5012, SOTRIP5013, SOTRIP5014, SOTRIP5015, SOTRIP5016, SOTRIP5017, SOTRIP5018, SOTRIP5019, SOTRIP5020, SOTRIP5021, SOTRIP5022, SOTRIP5023, SOTRIP5024, SOTRIP5025, SOTRIP5026, SOTRIP5027, SOTRIP5028, SOTRIP5029, SOTRIP5030, SOTRIP5031, SOTRIP5032, SOTRIP5033, SOTRIP5034, SOTRIP5035, SOTRIP5036, SOTRIP5037, SOTRIP5038, SOTRIP5039, SOTRIP5040, SOTRIP5041, SOTRIP5300, SOTRIP5500, SOTRIP5501, SOTRIP5502, SOTRIP5503, SOTRIP5504, SOTRIP5505, SOTRIP5506, SOTRIP5507, SOTRIP5508, SOTRIP5509, SOTRIP5510, SOTRIP5600, SOTRIP5800, SOTRIP6000, SOTRIP6001, SOTRIP6002, SOTRIP6100, SOTRIP6200, SOTRIP6500, SOTRIP6600, SOTRIP6800, SOTRIP7000, SOTRIP7100, SOTRIP7400, SOTRIP7500, SOTRIP7501, SOTRIP7600, SOTRIP7601, SOTRIP7700, SOTRIP8000, SOTRIP8100, SOTRIP8200, SOTRIP8500, SOTRIP8600, SOTRIP8700, SOTRIP8800, SOTRIP8900, SOTRIP9000, SOTRIP9001, SOTRIP9200, SOTRIP9201, SOTRIP9205, SOTRIP9300, SOTRIP9400, SOTRIP9401, SOTRIP9402, SOTRIP9403, SOTRIP9500, SOTRIP9501, SOTRIP9502, SOTRIP9503, SOTRIP9504, SOTRIP9505, SOTRIP9506, SOTRIP9507, SOTRIP9508, SOTRIP9510, SOTRIP9515, SOTRIP9600, SOTRIP9601, SOTRIP9700, SOTRIP9801, SOTRIP9900, SOTRIP9901

Revision

4

Revision Date

22/08/2024

Key/Legend

< Less Than

> Greater Than

AICS Australian Inventory of Chemical Substances**atm** Atmosphere**CAS** Chemical Abstracts Service (Registry Number)**cm²** Square Centimetres**CO₂** Carbon Dioxide

COD Chemical Oxygen Demand

deg C (°C) Degrees Celcius

EPA (New Zealand) Environmental Protection Authority of New Zealand

deg F (°F) Degrees Farenheit

g Grams

g/cm³ Grams per Cubic Centimetre

g/l Grams per Litre

HSNO Hazardous Substance and New Organism

IDLH Immediately Dangerous to Life and Health

immiscible Liquids are insoluable in each other.

inHg Inch of Mercury

inH₂O Inch of Water

K Kelvin

kg Kilogram

kg/m³ Kilograms per Cubic Metre

lb Pound

LC50 LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.

LD50 LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

ltr or **L** Litre

m³ Cubic Metre

mbar Millibar

mg Milligram

mg/24H Milligrams per 24 Hours

mg/kg Milligrams per Kilogram

mg/m³ Milligrams per Cubic Metre

Misc or **Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.

mm Millimetre

mmH₂O Millimetres of Water

mPa.s Millipascals per Second

N/A Not Applicable

NIOSH National Institute for Occupational Safety and Health

NOHSC National Occupational Heath and Safety Commission

OECD Organisation for Economic Co-operation and Development

Oz Ounce

PEL Permissible Exposure Limit

Pa Pascal

ppb Parts per Billion

ppm Parts per Million

ppm/2h Parts per Million per 2 Hours

ppm/6h Parts per Million per 6 Hours

psi Pounds per Square Inch

R Rankine

RCP Reciprocal Calculation Procedure

STEL Short Term Exposure Limit

TLV Threshold Limit Value

tne Tonne

TWA Time Weighted Average

ug/24H Micrograms per 24 Hours

UN United Nations

wt Weight