

1. IDENTIFICATION

Product name: NEUTREX

Recommended use: Pipes, fittings and couplings

Supplier: RPC Pipe Systems

Street address: 11 Christie Road, Lonsdale, South Australia, 5160

Telephone: +61 8 8329 1111

Emergency phone number: +61 4 5856 5050

2. HAZARD(S) IDENTIFICATION

This material is classified as non-hazardous according to the criteria of the GHS (7th Revised Edition), the Work Health and Safety Legislation (as adopted in most states and territories of Australia) and the Victorian Dangerous Goods (Storage and Handling) Regulations 2022.

Signal Word

None

Hazard Classifications

None

Hazard Statements

None

Prevention Precautionary Statements

None

None

Response Precautionary Statements

None

Storage Precautionary Statement

None

Disposal Precautionary Statement

None

Poison Schedule: Not Applicable

DANGEROUS GOODS CLASSIFICATION:

Not Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

3. COMPOSITION AND INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS No.	PROPORTION (% w/w)
Titanium dioxide	13463-67-0	< 1 %
Mixture (3:1) of 5-chloro-2-methyl-4-isothiazolin-3-one [CAS No. 26172-55-4] and 2-methyl-2Hisothiazol-3-one [CAS No. 2682-20-4]	55965-84-9	< 0.1 %
Ingredients classified as non-hazardous	Not disclosed	Balance to 100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

General: If a person has sustained a high exposure to the product, do not leave the affected person unattended. Keep the affected person warm, still and covered. Remove contaminated clothing. If any doubt exists that the person is recovering, seek medical advice. If the person is unconscious then place them in the recovery position and don't give anything by mouth.

Inhalation: If breathing is irregular or has stopped, seek immediate medical assistance and administer first aid. Move the person to fresh air if practical to do so.

Skin Contact: Wash the affected area with soap and water.

Eye contact: Remove contact lenses if easy to do so. Hold eyelids apart and flush the eyes continuously with running water. Continue flushing for at least 15 minutes and seek medical assistance if eye damage is apparent or if eye irritation persists.

Ingestion: If the affected person is conscious, rinse mouth with water. Do NOT induce vomiting. Seek medical advice if adverse symptoms develop.

PPE for First Aiders: Wear gloves and safety glasses. If inhalation risk exists wear mask meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Wash contaminated clothing and other protective equipment before storing or re-using.

Notes to physician: Treat symptomatically.

5. FIREFIGHTING MEASURES

Hazchem Code: None applicable

Suitable extinguishing media: Water spray, Alcohol resistant foam, BC powder, Carbon dioxide (CO₂).

Specific hazards: In conditions of intense combustion, oxides of carbon and nitrogen may be given off.

Fire fighting further advice: In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

6. ACCIDENTAL RELEASE MEASURES

Remove non-emergency personnel to safety.

ENVIRONMENTAL PRECAUTIONS

The product, and any contaminated washwater, should be prevented from entering waterways.

ACTION IN THE EVENT OF A LOSS OF CONTAINMENT

Cover any stormwater drains and try to contain any spillage. Wipe the spillage up with absorbent material (e.g. absorbent fabrics). Collect the spillage using sawdust, diatomaceous earth or sand. Place in appropriate containers for disposal.

Dangerous Goods - Initial Emergency Response Guide No: Not applicable.

7. HANDLING AND STORAGE

Handling: Wear appropriate gloves to avoid skin contact. Maintain high standards of personal hygiene i.e. washing hands after use and prior to eating, drinking or smoking. Avoid actions that may result in the formation of aerosols or dust of the product. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedstuffs.

Storage: No special storage conditions apply.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

National occupational exposure limits:

Exposure limits from Safe Work Australia:	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Substance					
Titanium dioxide (CAS Number 13463-67-7)	-	10 (inhalable dust only)	-	-	None

As published by Safe Work Australia (SWA).

SWA has published no exposure limits for the substance with CAS Number 55965-84-9. However, the following exposure limits are issued by the German DFG (Deutsche Forschungsgemeinschaft):

Exposure limits from German DFG:	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Substance					
Mixture (3:1) of 5-chloro-2-methyl-4-isothiazolin-3-one [CAS No. 26172-55-4] and 2-methyl-2Hisothiazol-3-one [CAS No. 2682-20-4] (CAS Number 55965-84-9)	-	0.2 (inhalable aerosol only)	-	0.4 (inhalable aerosol only)	None

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

According to Safe Work Australia, "Inhalable dust refers to the particle size entering the mouth and nose during normal breathing. These particles may be deposited in the respiratory tract. The term inhalable dust applies to both non-toxic and toxic dusts. Inhalable dusts that are toxic have an exposure standard based upon the substance of concern. Where the toxic component of the dust is measured, this is satisfactory as long as the exposure standard for dusts not otherwise classified is not exceeded.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: When dust of the product is generated, ensure that ventilation is adequate to maintain air concentrations below Exposure Standards. If dust of the product is being generated use with local exhaust ventilation or while wearing appropriate respiratory protective equipment.

Personal Protection Equipment:

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Eye protection: Wear eye/face protection.

Hand protection: Wear suitable gloves. Gloves which are tested according to the ISO 374 series of standards impart the required level of chemical protection. Check leak-tightness/impermeability prior to use. To safely re-use the gloves, clean them before taking off and air them well. Recommended glove material: Nitrile, with material thickness greater than 1 mm and breakthrough times greater than 60 minutes (permeation level 3).

Respiratory protection: The use of Respiratory Protective Equipment (RPE) is recommended only when ventilation is

poor. Select a respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

Hygiene measures: Keep away from food and drink.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Paste
Appearance/Colour:	Whitish
Odour:	Characteristic
Solubility:	Miscible with water
Specific Gravity (Water = 1):	Not determined
Relative Vapour Density (air=1):	Not applicable
Vapour Pressure (20°C):	Not determined
Flash Point (°C, for 90% ethanol):	Not applicable
Flammability Limits (%):	Non-flammable
Autoignition Temperature (°C):	Not applicable
Melting Point/Range (°C):	N. Av
Boiling Point/Range (°C):	N. Av
pH:	9.4 (20°C)
Viscosity:	Not determined
Total VOC (g/Litre):	Not determined

Typical values only.

N. Av. = Not available

10. STABILITY AND REACTIVITY

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: No specific conditions to avoid.

Incompatible materials: Oxidising agents.

Hazardous decomposition products: No known hazardous decomposition products; under conditions of intense combustion, may oxides of carbon and nitrogen.

Hazardous reactions: No known hazardous reactions.

11. TOXICOLOGICAL INFORMATION

No adverse health are effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects:

Inhalation: Inhalation is not a plausible route of exposure.

Skin contact: Although contact with skin is not expected to cause irritation, prolonged or repeated skin contact should be avoided.

Ingestion: If ingested, rinse mouth thoroughly. Never give water to an unconscious patient. Obtain medical advice if adverse symptoms develop.

Eye contact: As supplied, it's not possible for this product to enter the eyes; if dust of the product is produced by sanding, cutting or grinding then dust of the product may cause mechanical irritation of the eyes and eye contact should be avoided.

Acute toxicity:

Inhalation:

Acute toxicity estimate (ATE), Inhalation (vapour), for reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1) (CAS Number 55965-84-9): 0.5 mg/L (4 hours); at specified concentration range the ATE of the product would be > 500 mg/kg

Acute toxicity estimate (ATE), Inhalation (dust/mist), for reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1) (CAS Number 55965-84-9): 0.05 mg/L (4 hours) at specified concentration range the ATE of the product would be > 50 mg/kg

Skin contact: Acute toxicity estimate (ATE), Dermal, for reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CAS Number 55965-84-9): 50 mg/kg; at specified concentration range the ATE of the product would be > 50,000 mg/kg

Ingestion: Acute toxicity estimate (ATE), Oral, for reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CAS Number 55965-84-9): 100 mg/kg bw; at specified concentration range the ATE of the product would be > 100,000 mg/kg

Corrosion/Irritancy: This material does not meet the classification criteria for skin corrosion or skin irritancy.

Sensitisation (inhalation): This material does not meet the criteria for classification as a respiratory sensitiser.

Sensitisation (skin): This material does not meet the criteria for classification as a skin sensitiser.

Aspiration hazard: This material does not meet the criteria for classification as an aspiration hazard.

Specific target organ toxicity (single exposure): This material does not meet the classification criteria for specific target organ toxicity (single exposure).

Chronic Toxicity:

Mutagenicity: This material does not meet the classification criteria for germ cell mutagenicity.

Carcinogenicity: This material does not meet the classification criteria for carcinogenicity.

Reproductive toxicity (including via lactation): This material does not meet the classification criteria for reproductive toxicity.

Specific target organ toxicity (repeat exposure): This material does not meet the classification criteria for specific target organ toxicity (repeat exposure).

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: This material does not meet the classification criteria for short-term aquatic toxicity. Acute toxicity estimate (based on ingredients): >100 mg/L.

Long-term aquatic hazard: This material does not meet the classification criteria for long-term aquatic toxicity (i.e. chronic aquatic toxicity). Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log K_{ow} < 4.

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

Containers of this product that are empty and cleaned may be recycled. Dispose of product in accordance with local, regional and national regulations; Within each state and territory there are known to be waste classification guidelines that may need to be consulted in order to classify the waste material. For example, in NSW the first step in disposal of the waste would be to consult the EPA Waste Classification Guidelines Part 1: Classifying waste (issued November 2014, or as subsequently amended since the date of this SDS). If classified as hazardous waste, any waste contractor in NSW would need to be licensed to accept this product as waste for disposal under the NSW Protection of the Environment Operations Act (POEO Act) 1997.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road

& Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants) The
Rotterdam Convention (Prior Informed Consent)
International Convention for the Prevention of Pollution from Ships (MARPOL)
Basel Convention (Hazardous Waste)

This material/constituent(s) is covered by the following requirements:

- All components of this product are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC).

16. ANY OTHER RELEVANT INFORMATION

Reason for issue: Update

This Safety Data Sheet has been prepared by CETEC Pty Ltd on behalf of its client.

Safety Data Sheets should be reviewed every five years and more frequently if new information on the ingredients emerges. Please ensure that you have a current copy.

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Responsibility for the product as sold is subject to the supplier's standard terms and conditions, a copy of which is sent to customers and is also available upon request.