



CALMARC CHEMICALS

MANUFACTURING INDUSTRIAL CHEMISTS

16 GOONGARRIE ST, BAYSWATER WA 6053
TELEPHONE: Bus. (08) 93782022, Mobile: 0418 956 860 A/H (08) 9381 5052
Facsimile: (08) 9377 2575 A.C.N 009 026 386. ABN 18 340 289 669

THIS PRODUCT IS NOT A HAZARDOUS SUBSTANCE AS DEFINED BY SAFE WORK AUSTRALIA

SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name:	NANOPLEX
Manufacture Code:	NNPX
Emergency Telephone No:	(08) 9378 2022 0408 940 669 (08) 9381 5052
Email:	accounts@calmarc.com.au
Creation Date:	25 September 2019
SDS Responsibility:	Calmarc Chemical's Technical Sales (08) 9378 2022 0408 940 669
Other Information:	This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification of further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibilities for products sold are subject to our standard terms and conditions. A copy of our terms and conditions and technical information pamphlets are available upon request.

DISCLAIMER
This information is based on the present level of knowledge about safety requirements not specific properties. The listed data is therefore subject to change and revision without notice and cannot be guaranteed. No warranty expressed or implied is made as to accuracy, reliability or completeness of the detail in this document.

SECTION 2 – HAZARDS INFORMATION/EMERGENCY OVERVIEW

Globally Harmonised System

Hazard Classification	Not hazardous according to the criteria of the Globally Harmonised System of classification and labelling of Chemicals (GHS).
Hazard Category	None allocated.

ACUTE HEALTH EFFECTS

Swallowed	No known significant effects or critical hazards.
Eye	No known significant effects or critical hazards.
Skin	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.
Chronic	None known at this time.



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SPECIAL HEALTH EFFECTS

Environmental

Do not allow products to enter drinking water, rivers and streams as it may harm vegetation and wildlife.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS No.	CONCENTRATION
3(2H)-Isothiazolone, 2-methyl-	2682-20-4	0-0.02% m/m

SECTION 4 – FIRST AID MEASURES

Swallowed	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Eye	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Skin	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Advice to Doctor	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable Extinguishing Media	None known.
Specific Hazards	In a fire or if heated, a pressure increase will occur and the container may burst.
Decomposition Products	No specific data.
Special Fire Fighting Procedures	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Protection of Firefighters	Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.



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SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal and Environmental Precautions

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialised clothing is required to deal with spillage, take note of any information in section 8 on suitable and unsuitable materials. See also the information in 'For non-emergency personnel'.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Cleaning Protection and Disposal

Small spills: Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spills: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements of confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material, e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13 of SDS). Dispose of via a licensed waste disposal contractor. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.

SECTION 7 – HANDLING AND STORAGE

Handling

Put on appropriate personal protective equipment (see section 8 of SDS). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

Packages

The product is supplied in high density polypropylene bottles, jerry cans or cubes. Packaging group type II and III.

Storage

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials (see section 10 of SDS) and foodstuffs. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.



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SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Exposure Controls Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes and mists. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Skin/Body Protection Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Personal protective equipment for the body and appropriate footwear should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Hygiene Measure Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Substance	Formulation of chemicals
Physical Form	Emulsion
Colour	Milky
Odour	Slight, characteristic
pH	6-8
Boiling Point	100°C (Solvent)
Melting Point	Not available
Flash Point	N/A



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Lower Explosive Limit	N/A
Upper Explosive Limit	N/A
Flammability	Not available
Vapour Pressure	32 hPa @ 25°C (Solvent)
Water Solubility	Miscible in liquid form. Insoluble as a dried film.
Specific Gravity	1.03 g/cc
Dynamic Viscosity	100 mPas @ 25°C
Corrosivity	Not Corrosive

SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable as supplied at normal (average) atmospheric temperatures.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 – TOXICOLOGICAL INFORMATION

Specific Target Organ Toxicity (Single exposure)

Product/ Ingredient Name	Category	Route of Exposure	Target Organs
3(2H)-isothiazolone, 2-methyl-	Category 3		Respiratory tract irritation

Specific Target Organ Toxicity (Repeated exposure)

Product/ Ingredient Name	Category	Route of Exposure	Target Organs
3(2H)-isothiazolone, 2-methyl-	Category 1		Skin

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity

Product/ Ingredient Name	Result	Species	Exposure
3(2H)-isothiazolone, 2-methyl-	Acute LC50 = 0.07 mg/L Fresh water	Fish – Rainbow trout, donaldson trout	96h
	Acute LC50 = 0.3 mg/L Fresh water	Fish – Bluegill	96h

Persistence/Degradability

Data not available.

Mobility in soil

Soil/water partition coefficient (KOC) Not available.

Other adverse effects No known significant effects or critical hazards.



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SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional, local authority requirements. Dispose of surplus and non-recycle products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14 – TRANSPORT INFORMATION

Shipping Name	Nanoplex
Other Names	Acrylic Emulsion
Dangerous Goods Code	None
Subsidiary Risk	None
UN Number	None
Packaging Group	II or III
I.E.R.G. No.	None
HAZCHEM	None

SECTION 15 – REGULATORY INFORMATION

None Known.

SECTION 16 – OTHER INFORMATION

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product.

Directions for use are on the label and brochure describing **Nanoplex**.

SDS NEXT REVIEW DATE 25 September 2024

END OF SDS FOR NANOPLEX