



MATERIAL SAFETY DATA SHEET

Section 1 - Identification of Chemical Product and Company

SUPPLIER: NORTH QUEENSLAND CHEMICALS & PAINTS
ADDRESS: 6-8 INDUSTRIAL ST MACKAY, QLD. 4740
Trade Name: "ORGANIC PLUS"
TELEPHONE: (07) 4951 3988 **FAX:** (07) 4951 1862
AH EMERGENCY TELEPHONE: 13 1126 in Australia. **ABN:** 17 068 442 428
Substance: Water based acid **Product Use:** Acidic cleanser
Creation Date: May 2007 **Revision Date:** May 2012

Section 2 - Hazards Identification

This product is **NOT classified as HAZARDOUS** according to criteria of the National Occupational Health and Safety Commission Australia. This product is **NOT classified as Dangerous Goods** according to the Australian Dangerous Goods (ADG) Code. This product is **NOT classified as a Scheduled Poison** according to the SUSDP.

Approved Criteria Classification	none allocated		
UN Number	none allocated	ADG Classification	none allocated
Shipping Name	none allocated	ADG Subsidiary Risk	none allocated
Hazchem Code	none allocated	Packing Group	none allocated
SUSDP Classification	none allocated		

EMERGENCY OVERVIEW

Colour	colourless	Odour	Faint acidic odour
Physical Description	Liquid	Viscosity	Non-viscous liquid
Major Health Hazards	Mild irritant – skin, eyes, mucous membranes.		

Section 3 – Composition/Information on Ingredients

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication "List of Designated Hazardous Substances" or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication "Approved Criteria for Classifying Hazardous Substances".

Ingredients:	CAS Number:	Proportion:	Exposure Standards TWA	Exposure Standards STEL
Glycollic acid	79-14-1	< 10% w/w	not set	not set
Citric acid	77-92-9	<10% w/w	not set	not set
Ingredients determined to be non-hazardous	Various	10 – 30% w/w	not set	not set
Water	7732-18-5	> 60% w/w	not set	not set

The **TWA** exposure value is the Time Weighted Average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The **STEL** (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

Scheduled Poisons Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 03 474 7000).

First Aid Facilities Normal washroom facilities. Safety shower and emergency eye wash.

Inhalation First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin contact Wash skin with plenty of water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness develops.

Eye contact Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist).

Ingestion Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor).

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Advice to Doctor	No specific antidote. Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.
Aggravated Medical Conditions	None known.

Section 5 – Fire Fighting Measures

Fire and Explosion Hazards	Water based. Not combustible. However if involved in a fire will emit toxic fumes.
Extinguishing Media	Use carbon dioxide (CO ₂) fire extinguisher, water fog or fine water spray.
Fire Fighting	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area - move upwind of fire.
Flash Point	None

Section 6 – Accidental Release Measures

Emergency procedures	No Hazchem code.
Occupational Release	Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Carefully dilute with water (fine spray or fog) then neutralize with lime or soda ash. Wash area down with excess water. DO NOT allow water to enter containers of acid as violent reaction may occur. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Residual deposits will remain slippery. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.

Section 7 – Handling and Storage

Handling	Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling.
Storage	Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from incompatible materials (Section 10). Keep containers closed at all times – check regularly for leaks.

Section 8 Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Exposure Limits National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission:

Time-weighted Average (TWA): None established for specific product.

See SECTION 3 for Exposure Limits of individual ingredients.

Short Term Exposure Limit (STEL): None established for specific product.

See SECTION 3 for Exposure Limits of individual ingredients.

Biological Limit Value None established for product.

Engineering Controls Ensure ventilation is adequate to maintain air concentrations below exposure standards.

Personal Protective Equipment Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems. The following protective equipment should be available;

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Eye Protection



As with any chemical cleaning product, the use of goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard ; soft lenses may absorb irritants and all lenses concentrate them.

Skin Protection



Recommend eye glasses and gloves when cleaning with diluted solutions of the product. Overalls, apron, rubber boots and elbow length gloves are recommended for handling the concentrated product (as per AS/NZS 2161, or as recommended by supplier) to handle in quantity, cleaning up spills, decanting, etc.

Protective Material Types

Material suitable for acidic detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.

Respirator

Not required for cleaning applications using diluted solutions of the product. If the exposure limit is exceeded, a full facepiece respirator with an acid gas cartridge may be worn. For short elevated exposures, eg, spillages:- Appropriate organic vapour cartridge respirator as per the requirements of AS/NZS 1715 and AS/NZS 1716 (Respiratory protective devices). For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. Exposure Limit by more than ten times, air supplied apparatus should be used). WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Section 9 - Physical and Chemical Properties:

Physical State	viscous liquid	Colour	green
Odour	Acidic odour.	Specific Gravity	1.0 - 1.1 @ 25 °C
Boiling Point	Approximately 100 °C.	Freezing Point	Approximately 0 °C
Vapour Pressure	< 0.001 mm Hg	Vapour Density	Not available.
Flash Point	Not flammable	Flammable Limits	none
Water Solubility	Miscible in all proportions.	pH	< 1.0 neat
Volatile Organic Compounds (VOC)	0 % v/v.	Coefficient of Water/Oil Distribution	Not available.
Viscosity	Not available.	Odour Threshold	Not available.
Evaporation Rate	Not available.	Per Cent Volatile	Ca 80 % v/v.

Section 10 – Stability and Reactivity

Chemical Stability	Stable at normal temperatures and pressure.
Conditions to Avoid	Avoid contact with heat or heat sources. Highly corrosive to most metals with release of flammable Hydrogen gas.
Incompatible Materials	Reducing agents, oxidizing agents, bases.
Hazardous	None known.
Decomposition	
Hazardous Reactions	None known.

Section 11 – Toxicological Information

POTENTIAL HEALTH EFFECTS

Ingestion	
short term exposure	This material may cause irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting, sore throat, abdominal pain and diarrhea.
long term exposure	No information.
Skin contact	
short term exposure	Causes moderate irritation. Symptoms include redness, itching and swelling.
long term exposure	Prolonged and repeated skin contact with diluted solutions may induce eczematoid dermatitis.
Eye contact	
short term exposure	Splashes and mists cause severe irritation and possible burns. Symptoms include stinging, tearing, redness and in severe cases, eye damage due to burns.
long term exposure	Repeated overexposure may lead to chronic conjunctivitis.
Inhalation	
short term exposure	Inhalation of mists or aerosols can produce mucous membrane and respiratory irritation. Irritation of the mucous membranes, coughing and dyspnoea.
long term exposure	Repeated overexposure may lead to lung damage & dental erosion.

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Carcinogen Status

NOHSC No significant ingredient is classified as carcinogenic by NOHSC.
NTP No significant ingredient is classified as carcinogenic by NTP.
IARC No significant ingredient is classified as carcinogenic by IARC.

PRODUCT MIXTURE INFORMATION

Local Effects Mild irritant: eye, skin, inhalation and ingestion.
Target Organs Eyes, mucous membranes, skin, lungs.

Classification of Hazardous Ingredients

Ingredients No ingredient present at hazardous concentrations.
R-Phrases. None allocated

Individual Ingredient Information

NOTE : This information relates to each individual ingredient, when evaluated as pure undiluted chemical.
See SECTION 3 for actual proportions of ingredients present in this product.

Section 12 – Ecological Information

Fish toxicity None available.
Algae toxicity None available.
Invertebrates toxicity None available.
Toxicity to Bacteria None available.
OECD Biological degradation Individual components stated to be biodegradable.
General Product miscible in all proportions with water. DO NOT DISCHARGE BULK QUANTITIES INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Inform local authorities if this occurs.

Section 13 – Disposal Considerations

Disposal Refer to State Land Waste Management Authority. Transfer product residues to a labelled, sealed container for disposal or recovery. Waste disposal must be by an accredited contractor. Do not put down the drain.

Section 14 – Transport Information

UN Number	none allocated	ADG Classification	none allocated
Shipping Name	none allocated	ADG Subsidiary Risk	none allocated
Hazchem Code	none allocated	Packing Group	none allocated
Packaging Method	none allocated	Special Provisions	none allocated
Segregation	none allocated		

Section 15 – Regulatory Information

AICS All ingredients present on AICS.

Section 16 – Other Information

Acronyms

SUSDP Standard for the Uniform Scheduling of Drugs and Poisons.
ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail.
CAS Number Chemical Abstracts Service Registry Number.
UN Number United Nations Number.
HAZCHEM An emergency action code of numbers and letters which gives information to emergency services.
NOHSC National Occupational Health and Safety Commission.
NTP National Toxicology Program (USA).
IARC International Agency for Research on Cancer.
AICS Australian Inventory of Chemical Substances.
TWA Time Weighted Average
STEL Short Term Exposure Limit

Literature References

- 1 List of Designated Hazardous Substances [NOHSC:10005(1999)]
- 2 Australian Code For The Transport Of Dangerous Goods By Road And Rail – Sixth Edition.
- 3 Standard for the Uniform Scheduling of Drugs and Poisons.
- 4 National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]
- 5 Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]
- 6 Material Safety Data Sheets – individual raw materials – Suppliers.
- 7 HSIS – Hazardous Substance Information System – National Worksafe Data Base.

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Revision Information New Issue to standard : 2nd Edition [NOHSC:2011(2003)].

Note Safety Data Sheets are updated frequently. Please ensure that you have a current copy.
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This MSDS summarises North Queensland Chemicals & Paints 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 MSDS 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 or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. The responsibility for products sold is subject to our standard terms and conditions, a copy of which is available on request.

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