

# Material Safety Data Sheet

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Issue date: June 2007

## NATURAL IV FOR CTS SYSTEMS

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** NATURAL IV FOR CTS SYSTEMS

**Manufacturer's Product Code:** C026-4

**Use:** Specialty cleaning product.

**CHEM-DRY® AUSTRALIA**

**P B Mitchell Pty Ltd**

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### 2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO ASCC/NOHSC/EU CRITERIA

**Hazard Category:** None allocated

**Hazard Classification:** NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS

#### RISK PHRASES

None allocated

#### SAFETY PHRASES

S23 Do not breathe mist.

#### Road Transport

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

#### Road Transport (ADR/RID)

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

**Poison Schedule:** None allocated [Aust].

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
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All other ingredients not hazardous according to ASCC/NOHSC/EU Criteria.

### 4. FIRST AID MEASURES

#### Swallowed:

If swallowed, **DO NOT** induce vomiting. If conscious, give 1 to 2 glasses of water to drink. Seek immediate medical assistance.

#### Eye:

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or at least 15 minutes.

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### 4. FIRST AID MEASURES (Continued)

**Skin:**

If on skin, remove any contaminated clothing, wash skin thoroughly with soap and water. Contact the Poisons Information Centre or doctor.

**Inhaled:**

Move victim to fresh air. Apply resuscitation if victim is not breathing.

**First Aid Facilities:**

Eye wash fountain, safety shower and normal wash room facilities.

**Advice to Doctor:**

Treat symptomatically.

**For advice, contact Poisons Information Centre**

**In Australia call Tel: 13 1126**

**In New Zealand Tel: 034747000**

### 5. FIRE-FIGHTING MEASURES

**Fire/Explosion Hazard**

If safe to do so, move undamaged containers from fire area.

**SUITABLE EXTINGUISHING MEDIA:** Use extinguishing media suitable for surrounding fire situation.

**HAZARDS FROM COMBUSTION PRODUCTS:** Decomposition products will include oxides of carbon and oxides of nitrogen.

**PRECAUTIONS FOR FIRE FIGHTERS AND SPECIAL PROTECTIVE EQUIPMENT:** If safe to do so, move undamaged containers from fire area. Fire fighters should wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition.

**HAZCHEM CODE:** None allocated [Aust]

**FLAMMABILITY:**

This material is not a flammable or combustible solid.

### 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:**

This product is a powder, under appropriate conditions, dusts may be generated. Wear suitable protective equipment in these circumstances and ventilate area.

**Methods and Materials for Containment and Clean Up Procedures:**

If spill occurs, use common sense in handling the event. For **small spills**, wet area to prevent high dust levels. If available use HEPA vacuum and filter. Otherwise, use a non-sparking shovel and place into a suitably labelled container for disposal. **Do not dry sweep.**

### 7. HANDLING AND STORAGE

**Precautions for Safe Handling:**

Where contact with this material is likely, eye protection is recommended. For further information please refer to the Engineering Controls of this MSDS.

**Conditions for Safe Storage:**

Store in a cool place and out of direct sunlight. Store away from oxidizing agents. Keep containers closed, when not using the product. Store in original packages as approved by manufacturer\*.

\* For further information please contact your Local Chem-Dry representative.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Standards

No exposure standards have been assigned by [ASCC/NOHSC] for this product, however, an exposure standard of 10 mg/m<sup>3</sup> for nuisance dusts should be applied.

#### Engineering Controls

Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate.

#### Personal Protection Equipment

**GLOVES:** Not normally required, however, if handling large quantities the use of nitrile rubber is recommended.

**EYES:** Chemical goggles or spectacles with side shields.

**RESPIRATORY PROTECTION:** Avoid breathing of dusts. The use of a respiratory is not normally required, however, if process generates dusts then the use of a dust mask is recommended. Select and use respirators in accordance with AS/NZS 1715.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White powder with no odour.
<b>Boiling Point:</b>	Not available.
<b>Vapour Pressure:</b>	Not available.
<b>Specific Gravity:</b>	Not available.
<b>Flash Point:</b>	Not applicable.
<b>Flammability Limits:</b>	Not applicable.
<b>Solubility in Water:</b>	Soluble.

#### Other Properties

**pH:** 6 - 7 (2.1 % aqueous solution)

### 10. STABILITY AND REACTIVITY

#### CHEMICAL STABILITY:

Stable under normal conditions of use.

#### CONDITIONS TO AVOID:

Avoid contact with water.

#### HAZARDOUS DECOMPOSITION PRODUCTS:

Decomposition products will include oxides of carbon and oxides of nitrogen.

#### INCOMPATIBLE MATERIALS:

Decomposes with water yielding small quantities of carbon dioxide.

#### HAZARDOUS REACTIONS:

Will not occur.

### 11. TOXICOLOGICAL INFORMATION

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

#### ACUTE HEALTH EFFECTS

##### Swallowed:

May cause irritation, particularly if a large quantity is swallowed, which may lead to nausea, vomiting and diarrhoea.

##### Eye:

May cause temporary irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision. These effects are anticipated to be of a transient (short acting) nature and no long term injury is envisaged.

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### 11. TOXICOLOGICAL INFORMATION (Continued)

**Skin:**

May cause mild irritation to the skin. Not expected to be absorbed through the skin.

**Inhaled:**

May cause mild irritation to the respiratory system.

**Chronic:**

Prolonged or repeated skin exposure may cause mild skin rashes in some susceptible individuals.

There is no toxicological information available for this product, however, based upon similar products:

Oral LD50(rat): > 5,000 mg/kg

### 12. ECOLOGICAL INFORMATION

The Acute Aquatic Toxicity LC50 (96 Hr.) with the Fathead Minnow species, yields 2,450 mg/L ecotoxicity. Considered to be non hazardous according to EU criteria.

### 13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor or approved landfill.

### 14. TRANSPORT INFORMATION

**Road Transport (ADR/RID)**

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

**Air Transport (ICAO/IATA)**

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

**Sea Transport (IMDG)**

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

### 15. REGULATORY INFORMATION

**Poison Schedule:** None allocated [Aust]

**Inventory Status:**

<i>Inventory</i>	<i>Status</i>
Australia (AICS)	Y
United States (TSCA)	Y
Europe (EINECS/ELINCS)	Y

Y = all ingredients are on the inventory.

**EU Label:** None allocated.

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## NATURAL IV FOR CTS SYSTEMS

### 16. OTHER INFORMATION

**Date of Preparation:**

Issue date: June 08, 2007

**Reasons for Update:**

1. Alignment with the 2<sup>nd</sup> Edition of National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2001(2003)].

**Key Legend Information:**

NOHSC - National Occupational Health & Safety Commission {Formerly Worksafe}[Aust]

ASCC - Australian Safety and Compensation Council [Aust]

SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons [Aust]

TWA - Time Weighted Average [Int]

STEL - Short Term Exposure Limit [Int]

AICS - Australian Inventory of Chemical Substances

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:2004) [Aust]

EPA - Environmental Protection Agency [Int]

NIOSH - National Institute for Occupational Safety and Health [US]

TSCA - Toxic Substances Control Act [US]

OSHA - Occupational Safety and Health Administration [US]

AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices. [Aust/NZ]

Hazchem Code - Fire fighters designation [Aust]

IATA - International Aviation Transport Authority [Int]

ICAO - International Civil Aviation Organization [Int]

IMO - International Maritime Organisation. [Int]

IMDG - International Maritime Dangerous Goods [Int]

United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labelling of Chemicals. [Int]

EINECS - European Inventory of Existing Commercial Chemical Substances. [Int]

ELINCS - European List of Notified Chemical Substances. [Int]

EU - European Union [Int]

ADR/RID - European Road & Rail Transport Union - [Int]

**EU Directives:** The classification criteria used, are adopted from the European Community's (EC) legislation for classifying dangerous substances. The criteria are taken from:

EC Council Directive 67/548/EEC

EC Council Directive 1999/45/EC

[Aust/NZ] = Australian New Zealand

[Int] = International

[US] = United States of America

**Principal References:**

Information supplied by manufacturer, reference sources including the public domain.

**END OF MSDS**