

# Safety Data Sheet

## On Coarse DRA

Issue date: 18 June 2018 Version No. 2.00 Supersedes: 29 April 2016

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name: On Coarse DRA**

**Other Names:** None

**Recommended Use:** Agricultural chemical adjuvant.

*Intended for agrochemical use only.*

*For further information, refer to the product technical data sheet.*

**Details of manufacturer or importer:**

Adjuvant Technical and Marketing Services Pty Ltd (ATaMS)

ACN: 609 196 009 ABN: 17 609 196 009

2/273 Abbotsford Rd, Bowen Hills QLD 4006, AUSTRALIA

PO BOX 3213 Yeronga, QLD 4104, AUSTRALIA

Tel: 0401 140 536 International Tel: + 61 401 140 536

**E-mail address**

[daveatams@gmail.com](mailto:daveatams@gmail.com)

**Emergency Phone Number**

Poisons Information Centre (Tel: Australia 13 1126; New Zealand 0800 764 766) or a doctor.

### 2. HAZARDS IDENTIFICATION

**AUSTRALIAN CLASSIFICATION**

**GHS Hazard Classification:**

**(According to Work Health and Safety Regulations 2011)**

Serious eye damage, Category 1

**GHS Signal Word:**

DANGER

**GHS Hazard Pictogram(s):**



Corrosion

**Hazard Statements:**

H318: Causes serious eye damage.

**Precautionary Statements:**

**Prevention**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

P305+P351+P338 IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

P310 Immediately call a POISON CENTRE or doctor/physician.

**Storage:**

None allocated

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**Disposal:**

P501 Dispose of contents / container in accordance with local and national regulations.

**Other hazards which do not result in classification:**

H412 Harmful to aquatic life with long lasting effects.

**Poison Schedule (Australia):** Not scheduled.

**SUSMP Signal Word(s):** None allocated.

**NEW ZEALAND CLASSIFICATION**

Not classified as Dangerous Goods according to NZS 5433:2012 Transport of Dangerous Goods on Land. Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

**HSNO Classification:** 6.3B, 8.3A, 9.1D

**GHS Classification:**

Serious eye damage, Category 1

**GHS Signal Word:**

DANGER

**GHS Hazard Pictogram(s):**

Corrosion

**Hazard Statements:**

H316 Causes mild skin irritation.

H318: Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statements:****Prevention**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

**Response:**

P332+P313 If skin irritation occurs, get medical advice/attention.

P305+P351+P338 IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

P310 Immediately call a POISON CENTRE or doctor/physician.

**Storage:**

None allocated

**Disposal:**

P501 Dispose of contents / container in accordance with local and national regulations.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME	CAS No.	Concentration [%]
Docusate sodium	577-11-7	>=1 - <10
Proprietary surfactant blend	-	>=1 - <10
*Non-hazardous ingredients	-	Balance
* (Ingredients present at non-hazardous concentrations, according to Australian GHS criteria and New Zealand HSNO criteria, based on available information)		

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### 4. FIRST AID MEASURES

#### General Precautions:

First aiders need to protect themselves. Place affected clothing in a sealed bag for subsequent disposal. Show this safety data sheet to the doctor in attendance.

#### Ingestion:

Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth if victim is semi-conscious or unconscious. If symptoms develop get medical advice/attention.

#### Eye contact:

If contact with the eye(s) occurs, immediately flush the eye with copious amounts of running water for at least 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Remove contact lenses, if present and easy to do so. Continue rinsing. Always obtain medical attention immediately, even if there are no symptoms.

#### Skin contact:

If skin contact occurs, remove contaminated clothing and footwear. Wash affected area immediately and thoroughly with water for a prolonged period (at least 15 minutes). Clean contaminated clothing and footwear before reuse or discard. In case of inflammation (redness, irritation, ...) obtain medical attention. Show this sheet to the doctor.

#### Inhalation:

Move the person away from the contaminated area. Make the affected person rest. If necessary seek medical advice. Apply artificial respiration if not breathing.

#### First Aid Facilities:

Eye wash fountain and normal washroom facilities.

#### Medical conditions possibly aggravated by exposure:

Skin contact may aggravate existing skin disease.

Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis.

#### Advice to Doctor:

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. No specific antidote available.

#### Poisons Information:

For advice, contact a Poisons Information Centre (e.g. phone Australia 13 1126; New Zealand 0800 764 766) or a doctor (at once).

### 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media:

**Suitable:** Water spray, foam, dry chemical or carbon dioxide (CO<sub>2</sub>).

**Not Suitable:** Strong water jet (frothing possible).

#### Specific Hazards Arising from the Chemical:

Combustible. On combustion or on thermal decomposition, toxic gases are released - oxides of Carbon (CO + CO<sub>2</sub>), oxides of Sulfur (SO<sub>x</sub>).

#### Special Protective Equipment and Precautions for Fire Fighters:

Fire fighters to wear full protective clothing and self-contained breathing apparatus (SCBA) in confined spaces, oxygen deficient atmospheres or if exposed to products of combustion or decomposition. If safe to do so, move undamaged containers from fire area. Stay upwind. Evacuate the personnel away from the fumes. If possible to do so safely, shut off fuel to fire. In case of fire close by, cool down the

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containers/equipment exposed to heat with a water spray. Product will burn under fire conditions. Do not use a water jet since it may cause the fire to spread. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions:

Avoid contact with skin and eyes. Avoid breathing mist/vapours/spray.

Personal protective equipment:

- impermeable protective gloves.
- eye/face protection (safety glasses with side shields or splash proof goggles and a full-face shield).
- suitable protective clothing.

Warn occupants in surrounding and downwind areas if required due to toxicity or combustibility of the material. Evacuate and isolate hazard area and deny entry. Stay upwind if possible. Ventilate area. Shut off ignition sources, no flares, no smoking or flames in hazard area.

For further information, refer to section 8 "Exposure Controls / Personal Protection".

Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.

#### Environmental Precautions:

Do NOT discharge into drains or rivers. Contain the spilled material by bunding. If contamination of sewers or waterways occurs inform the local water authorities and Environmental Protection Authority in accordance with local regulations.

#### Method for Cleaning or Taking Up:

- **Recovery:** Absorb the product onto a suitable, non-combustible porous material. Sweep up or vacuum up the product. Use clean non-sparking tools to collect up the product and place it in a spare container, suitably labelled. Keep the recovered product for subsequent disposal.

#### - Decontamination/Cleaning:

Wash contaminated area with large amounts of water. Recover the cleaning water for subsequent disposal. Decontaminate tools, equipment and personal protective equipment in a segregated area.

- **Disposal:** Dispose of all contaminated materials in accordance with local regulations. (Refer to section 13 "Disposal Considerations").

**Further information:** Warning: Material can create slippery conditions.

#### Emergency information (Transport):

**Dangerous Goods - Initial Emergency Response Guide (IERG) (SAA/SNZ HB76)**

Not applicable.

### 7. HANDLING AND STORAGE

#### Precautions for Safe Handling:

Avoid direct or prolonged contact with eyes and skin. Avoid breathing mist/vapours/spray.

Extinguish any naked flames. Do not smoke. Remove ignition sources. Avoid sparks. Avoid contact with skin, eyes, and clothing. Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. However, bonding and grounds may not eliminate the hazard from static accumulation. Consult local applicable standards for guidance. Avoid splash filling. Do NOT use compressed air for filling, discharging, or handling operations.

Handle in accordance with good occupational hygiene and safety practice. For further information, refer to section 8 "Exposure Controls / Personal Protection".

#### Conditions for Safe Storage:

**Environmental Precautions:** Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

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### Storage conditions

Store in a cool, dry, well-ventilated area, out of direct sunlight. Store away from strong oxidizing and reducing agents. Store away from foodstuffs. Store away from heat, flames and other ignition sources, and away from incompatible materials. (see Section 10: Stability and Reactivity). Keep containers closed, when not using the product. Store in original packages as approved by manufacturer. Inspect periodically for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area.

**Australia:** Classified as a Class C2 (COMBUSTIBLE LIQUID). This product should be stored and used in a well-ventilated area away from naked flames, sparks and other sources of ignition. For further guidance on implementing risk controls refer to 'Australian Standard AS1940 - The storage and handling of flammable and combustible liquids'. Comply with relevant Commonwealth, State or Territory regulations for storage and transport requirements.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### National Exposure Standards:

No exposure standards assigned to this specific material by the Safe Work Australia Council (SWAC), or the New Zealand Department of Labour.

### Biological Limit Values:

No biological limits allocated.

### Engineering Controls:

Ensure sufficient ventilation to keep airborne concentrations below exposure limits and as low as practicable. Use with good general ventilation. If mists, vapours or dusts are produced local exhaust ventilation should be used. Extract at emission point.

### Personal Protection Equipment:

#### Eye/Face Protection:

Safety glasses with side shields, or splash-proof chemical goggles, and a full-face shield. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337.1 Personal eye protection - Eye and face protectors for occupational applications.

#### Hand Protection:

Impermeable protective gloves (e.g. Nitrile gloves) must be chosen according to the function of the work station: other chemicals which may be handled, physical protection necessary (resistance to cutting, puncture, heat), dexterity required. Gloves must be inspected prior to use. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. The selection of gloves must take into account the extent and duration of use at the workstation. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

#### Respiratory Protection:

If engineering controls are not effective in controlling airborne exposure then use a respirator with an approved filter if a risk assessment indicates this is necessary. Correct fit is essential to obtain adequate protection. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended. Final choice of appropriate respiratory protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

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### Skin and Body Protection:

Impervious clothing. Footwear protecting against chemicals. Choose body protection according to the amount and concentration of the hazardous chemical at the work place. Consideration must be given to both durability as well as permeation resistance. Launder contaminated clothing before reuse. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

### Selection Criteria:

Protective equipment must be chosen according to current AS/NZS standards and in cooperation with the supplier of protective equipment. Personal protective equipment must be defined after risk assessment for the workstation. Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards and/or risks that may occur during use.

### Collective emergency equipment:

Personal protective equipment available close by in case of emergency. Emergency equipment, first-aid box with instructions readily available, safety shower and eye fountain for collective emergency.

### Workplace Hygiene Measures:

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- Do not store, use, and / or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. Keep away from food, drink and animal feeding stuffs.
- Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- Wash exposed skin promptly to remove accidental splashes of contact with the material.
- Wear protective clothing.

### Surveillance procedures:

The recommended limits SHOULD NOT be exceeded. The user is responsible for monitoring the working environment in accordance with local laws and regulations.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Hazy, light yellow liquid.
<b>Odour:</b>	Characteristic.
<b>Odour threshold:</b>	No data available.
<b>pH:</b>	ca. 6 (2% aqueous dispersion)
<b>Melting point/freezing point:</b>	No data available.
<b>Initial boiling point and boiling range:</b>	No data available.
<b>Flash Point:</b>	> 99 °C
<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	Combustible liquid.
<b>Upper/lower flammability:</b>	UEL: No data available LEL: No data available
<b>Vapour Pressure:</b>	No data available.
<b>Vapour density:</b>	No data available.
<b>Relative density:</b>	0.943 @ 15 °C
<b>Specific Gravity:</b>	No data available.
<b>Solubility in Water:</b>	Emulsifies.
<b>Solubility in Organic Solvents:</b>	No data available.
<b>Partition coefficient: n-octanol/water:</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	ca. 20 cP @ 25 °C
<b>Oxidizing Properties:</b>	No data available.

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### 10. STABILITY AND REACTIVITY

**Chemical Stability:**

Stable under normal conditions and use.

**Conditions to Avoid:**

Heat, flames, ignition sources, direct sunlight, and incompatibles.

**Incompatible Materials:**

Keep away from strong oxidizing agents, reducing agents.

**Hazardous Decomposition Products:**

During combustion or on thermal decomposition (pyrolysis), toxic gases are released - oxides of Carbon (CO + CO<sub>2</sub>), oxides of Sulfur (SO<sub>x</sub>).

**Hazardous Reactions:**

Hazardous Polymerization will not occur.

### 11. TOXICOLOGICAL INFORMATION

**Acute Health Effects:****Ingested:**

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

**Eye:**

Causes serious eye damage. Severely irritating to the eyes. Eye contact will cause stinging, blurring, tearing, severe pain and possible permanent corneal damage.

**Skin:**

Mildly irritating to skin with effects including redness and itching.

**Inhaled:**

If misted or sprayed, inhalation may irritate the nose, throat and respiratory system. Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis.

**Chronic Health Effects:**

Prolonged or repeated skin contact may cause defatting, skin drying and cracking.

**Information on toxicological effects****Acute toxicity:****Acute oral toxicity:**

Not classified as hazardous for acute oral toxicity according to GHS criteria.

According to the data on the components. According to the classification criteria for mixtures.

**Acute inhalation toxicity:**

Not classified as hazardous for acute inhalation toxicity according to GHS criteria.

According to the available data on the components

According to the classification criteria for mixtures.

**Acute dermal toxicity:**

Not classified as hazardous for acute dermal toxicity according to GHS criteria.

According to the data on the components. According to the classification criteria for mixtures.

**Skin corrosion/irritation:**

Classified as Skin irritant, Category 3 (mildly irritating to skin), according to GHS criteria (by calculation based on ingredients).

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### **Serious eye damage/irritation:**

Classified as Serious eye damage, Category 1 according to GHS criteria (by calculation based on ingredients).

### **Respiratory or skin sensitization**

Not classified as a respiratory or skin sensitiser.

According to the data on the components. According to the classification criteria for mixtures.

### **Mutagenicity**

**Genotoxicity in vitro:** The product is not considered to be genotoxic.

According to the data on the components. According to the classification criteria for mixtures.

**Genotoxicity in vivo:** Product is not considered to be genotoxic.

According to the data on the components. According to the classification criteria for mixtures.

### **Carcinogenicity**

The product is not considered to be carcinogenic.

According to the data on the components. According to the classification criteria for mixtures.

### **Toxicity for reproduction and development**

#### **Toxicity to reproduction/Fertility**

The product is not considered to affect fertility.

According to the data on the components. According to the classification criteria for mixtures.

#### **Developmental Toxicity/Teratogenicity**

The product is not considered to be toxic for development.

According to the data on the components. According to the classification criteria for mixtures.

The product is not considered to be teratogenic.

According to the data on the components. According to the classification criteria for mixtures.

### **STOT**

#### **STOT - single exposure**

The substance or mixture is not classified as specific target organ toxicant, single exposure according to GHS criteria.

According to the data on the components. According to the classification criteria for mixtures.

#### **STOT - repeated exposure**

The substance or mixture is not classified as specific target organ toxicant, repeated exposure according to GHS criteria.

According to the data on the components. According to the classification criteria for mixtures.

### **Aspiration toxicity**

The substance or mixture is not classified for aspiration toxicity according to GHS criteria.

According to the data on the components. According to the classification criteria for mixtures.

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity:**

Harmful to aquatic life with long lasting effects.

### **Persistence / Degradability:**

No data available.

### **Bioaccumulative potential:**

Octanol/water partition coefficient: No data available.

### **Mobility in soil:**

No data available.

Results of PBT and vPvB assessment: No data available.



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### Other adverse effects:

No data available.

### Environmental Protection:

Avoid contaminating soil, waterways, drains or sewers.

## 13. DISPOSAL CONSIDERATIONS

### Residues from Product

Prohibition: Discharging waste into rivers and drains is forbidden.

Destruction/Disposal: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate or otherwise inappropriate. Dispose of in accordance with relevant national and local regulations, EPA requirements and safety regulations at an authorised site.

### Contaminated Packaging

Prohibition: Do not dispose of the product at a rubbish tip.

Decontamination/cleaning: Completely empty the packaging prior to decontamination. Carefully drain and then steam clean.

Destruction/Disposal: Recycle following cleaning or dispose of at an authorised site.

**New Zealand:** For further guidance on disposal refer to the Hazardous Substances (Disposal) Notice 2017 issued by the New Zealand Environmental Protection Authority.

**NOTE:** The user's attention is drawn to the possible existence of local regulations regarding disposal.

## 14. TRANSPORT INFORMATION

**UN Number:** None allocated

**Proper Shipping Name:** None allocated

**Dangerous Goods Class:** None allocated

**Subsidiary risk:** None allocated

**Packing Group:** None allocated

**Hazchem Code:** None allocated

### ADG: Road and Rail Transport: (Australia)

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) for transport by road and rail.

### Land Transport: (New Zealand)

Not classified as Dangerous Goods according to NZS 5433:2012 Transport of Dangerous Goods on Land.

### IMDG:

Not classified as Dangerous Goods according to the International Maritime Organization Rules (Maritime Dangerous Goods Code - IMDG Code) for transport by sea.

### IATA:

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

**NOTE:** The above regulatory prescriptions are those valid on the date of publication of this SDS. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

## 15. REGULATORY INFORMATION

**Poison Schedule (Australia):** Not scheduled.

**HSNO Group Standard:** This substance falls under the HSNO Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2017.

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**HSNO Approval Number:** The HSNO Approval Number for this Group Standard is HSR002503.

**Certified handler requirements:** Substances covered under this Group Standard will require a certified handler.

Inventory	Status
Australia (AICS)	Y
New Zealand (NZIoC)	Y

Y = All ingredients are on the inventory.

E = All ingredients are on the inventory or exempt from listing.

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

### NOTE:

*The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.*

## 16. OTHER INFORMATION

### Reasons For Revision:

- 1) Review against current SWA/GHS and NZ EPA/HSNO criteria and latest information from manufacturer/supplier.
- 2) Changes and /or additional information made to all Sections.

The customer is advised to consult the product Technical Data Sheets for further information including advice on suitable equipment. SDSs are updated frequently. Please ensure that you have a current copy.

### Key or legend to abbreviations and acronyms used in the safety data sheet:

- ca. - approximately
- ACGIH - American Conference of Governmental Industrial Hygienists [US]
- AICS - Australian Inventory of Chemical Substances [Aust]
- CAS - Chemical Abstracts Service [US]
- CSCL - Inventory of Existing and New Chemical Substances [JPN]
- EPA - Environmental Protection Agency [Int]
- EU - European Union [EU]
- GHS - United Nations - Globally Harmonized System of Classification and Labelling of Chemicals[Int]
- HSNO - Hazardous Substances and New Organisms [NZ]
- IARC - International Agency for Research on Cancer [Int]
- IATA - International Aviation Transport Authority [Int]
- IMDG - International Maritime Dangerous Goods [Int]
- METI - Ministry of Economy, Trade and Industry [JPN]
- NTP - National Toxicology Program
- NIOSH - National Institute for Occupational Safety and Health [US]
- NOHSC - National Occupational Health & Safety Commission [Aust]
- NZ EPA New Zealand Environmental Protection Agency [NZ]
- NZIoC - New Zealand Inventory of Chemicals [NZ]
- OSHA - Occupational Safety and Health Administration [US]
- PICCS - Philippines Inventory of Chemicals and Chemical Substances [PPN]
- SUSMP - Standard for the Uniform Scheduling of Medicines and Poisons [Aust]
- STEL - Short Term Exposure Limit [Int]
- SWA - Safe Work Australia
- TWA - Time Weighted Average [Int]
- WES - Workplace Exposure Standard [NZ]

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- [Aust/NZ] = Australia/New Zealand
- [JPN]=Japan
- [Int] = International
- [PPN]=Philippines
- [US] = United States of America

### **Principal References:**

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

**END OF SAFETY DATA SHEET**

### ***Disclaimer:***

*The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.*