



# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 12.12.2014

Revision: 12.12.2014

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** FOCUS QUICK FLOC / POOLFAST PRECIPITAT

**Recommended Use of the Chemical and Restriction on Use:** General purpose flocculant

**Details of Manufacturer or Importer:**

Focus Products Pty Ltd  
35 Moreton St  
Heathwood QLD 4110

**Phone Number:** 1800 42 55 66

**Emergency telephone number:** 0411 623 619 (A/H)

## 2 . HAZARDS IDENTIFICATION

**Hazardous Nature:**

Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified according to the Globally Harmonized System (GHS).

**Signal Word** Void

**Hazard Statements** Void

## 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

**Chemical Characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Hazardous Components:**

12042-91-0	dialuminium chloride pentahydroxide	<10%
	⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	

## 4 . FIRST AID MEASURES

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

**Ingestion:**

If swallowed, do not induce vomiting. Rinse mouth thoroughly with water. Give a glass of water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**

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Inhalation: May cause sore throat, cough and irritation of the upper respiratory tract. Although unlikely to occur, inhalation may cause an adverse reaction to persons previously sensitized to the material.  
Skin Contact: May cause irritation. Skin may dry or crack due to astringent nature of material.  
Eye Contact: May cause moderate to severe irritation and redness.  
Ingestion: Ingestion of large amounts may cause abdominal pain, nausea, vomiting, muscle spasm and kidney injury.

## 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use fire extinguishing methods suitable to surrounding conditions.

**Specific Hazards Arising from the Chemical:**  
Hydrogen chloride and oxides of aluminum, carbon and nitrogen.  
The substance is not combustible. It will not burn.

**Special Protective Equipment and Precautions for Fire Fighters:**  
Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

## 6 . ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**  
Wear Safe Work Australia approved respiratory protection and protective equipment. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

**Environmental Precautions:**  
In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**  
Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Avoid walking through spilled product as it may be slippery. Clean up immediately to avoid accidents.

## 7 . HANDLING AND STORAGE

**Precautions for Safe Handling:**  
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**  
Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from excessive heat and freezing. Keep away from strong oxidising agents and sodium hydroxide. Inspect regularly for damage or leaks.

## 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Exposure Standards:</b>	
<b>12042-91-0 dialuminium chloride pentahydroxide</b>	
NES	TWA: 2 mg/m <sup>3</sup> as Al

**Engineering Controls:**  
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

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**Personal Protective Equipment (PPE):****Respiratory Protection:**

Respirator is not usually required.

Use a Safe Work Australia approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

**9 . PHYSICAL AND CHEMICAL PROPERTIES****Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Clear pink-red
<b>Odour:</b>	No information available
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	2.1
<b>Melting point/Melting range:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	100 °C
<b>Flash Point:</b>	Not applicable
<b>Flammability:</b>	Not applicable.
<b>Auto-ignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	Not determined.
<b>Explosion Limits:</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable
<b>Vapour Pressure:</b>	Not determined.
<b>Density:</b>	Not determined.
<b>Relative Density at 20 °C:</b>	1.05 g/cm <sup>3</sup>
<b>Vapour Density:</b>	Not determined.
<b>Evaporation Rate:</b>	Not determined.
<b>Solubility in Water:</b>	Soluble in water
<b>Partition Coefficient (n-octanol/water):</b>	Not determined.
<b>% Volatiles by Volume:</b>	75 %

**10 . STABILITY AND REACTIVITY**

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

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**Conditions to Avoid:** Excessive heat.**Incompatible Materials:** Oxidising agents and sodium hydroxide.**Hazardous Decomposition Products:** Hydrogen chloride and oxides of aluminum, carbon and nitrogen.

## 11 . TOXICOLOGICAL INFORMATION

**Toxicity:**

<b>LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:</b>		
<b>12042-91-0 dialuminium chloride pentahydroxide</b>		
Oral	LD <sub>50</sub>	9187 mg/kg (rat)
<b>26062-79-3 Poly-2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride Polydiallyldimethylammonium chloride</b>		
Oral	LD <sub>50</sub>	1720 mg/kg (mouse) 3000 mg/kg (rat)

**Acute Health Effects****Inhalation:**

May cause sore throat, cough and irritation of the upper respiratory tract. Although unlikely to occur, inhalation may cause an adverse reaction to persons previously sensitized to the material.

**Skin:** May cause irritation. Skin may dry or crack due to astringent nature of material.

**Eye:** May cause moderate to severe irritation and redness.

**Ingestion:**

Ingestion of large amounts may cause abdominal pain, nausea, vomiting, muscle spasm and kidney injury.

**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.

**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.

**Chronic Health Effects:** Prolonged or repeated skin exposure may cause dermatitis.

**Existing Conditions Aggravated by Exposure:** Respiratory, skin and eye conditions.

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available

**Aquatic toxicity:** No information available

**Persistence and Degradability:** No information available

**Bioaccumulative Potential:** No information available

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**Mobility in Soil:** No information available

## 13 . DISPOSAL CONSIDERATIONS

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

## 14 . TRANSPORT INFORMATION

**UN Number** Not regulated.**Proper Shipping Name** Not regulated.**Dangerous Goods Class** Not regulated.**Packing Group:** Not regulated.**Marine pollutant:** No

## 15 . REGULATORY INFORMATION

**Australian Inventory of Chemical Substances:**

12042-91-0 dialuminium chloride pentahydroxide

7732-18-5 Water

26062-79-3 Poly-2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride  
Polydiallyldimethylammonium chloride**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**  
Not Scheduled.

## 16 . OTHER INFORMATION

**Creation Date:** 12.12.2014**Last Revision of MSDS:** 13.08.2009**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC<sub>50</sub>: Lethal concentration, 50 percentLD<sub>50</sub>: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

**Data compared to the previous version altered.** Sections 2,4, 6 and 8.**Disclaimer**

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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product is used.