

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 06.02.2015

Revision: 06.02.2015

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: FOCUS STABILISED POOL TABLETS / POOL FAST STABILISED POOL TABLETS / FOCUS GRANULAR BLACKSPOT ALGICIDE / FOCUS MULTI TABLETS / POOLFAST GRANULAR BLACKSPOT ALGICIDE

Other Name:

Trichloroisocyanuric acid (all grades); Trichloro-s-triazine trione, TICA.; 1,3,5-Triazine, 2,4,6(1H,3H,5H)-trione-1,3,5 tri- chloro-, TCCA

Recommended Use of the Chemical and Restriction on Use: Bleach or sanitising chemical

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:

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



flame over circle

Ox. Sol. 2 H272 May intensify fire; oxidiser.



environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



Acute Tox. 4 H302 Harmful if swallowed.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

Signal Word Danger

Hazard Statements

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P221 Take any precaution to avoid mixing with combustibles.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P220 Keep/Store away from clothing/combustible materials.

(Contd. on page 2)

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(Contd. of page 1)

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P273	Avoid release to the environment.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P330	Rinse mouth.
P370+P378	In case of fire: Use for extinction: CO ₂ , powder or water spray.
P391	Collect spillage.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P312	Call a POISON CENTER/doctor if you feel unwell.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

87-90-1	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-trichloro-	100%
	⚠ Ox. Sol. 2, H272; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Eye Irrit. 2, 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 swelling, redness, blistering or irritation occurs.

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. Immediately rinse mouth 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:

(Contd. on page 3)

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(Contd. of page 2)

Inhalation: Causes respiratory irritation. Chlorine, evolved from decomposition when wet, is a severe respiratory irritant, corrosive, and highly toxic. Delayed effects can include shortness of breath, headache, pulmonary oedema, and pneumonia.

Skin Contact: Contact with skin may cause severe irritation. Burns are induced when moisture is added.

Eye Contact: A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of the eyes can result in permanent injury.

Ingestion: Ingestion can cause nausea, vomiting, diarrhea, abdominal pain, convulsions and chemical burns.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Water spray (flooding quantities). Do not use dry chemical extinguishers containing ammonia compounds.

Specific Hazards Arising from the Chemical:

Decomposes on contact with water creating toxic chlorine gas.

Not combustible. However, the product contributes to the combustion of other materials.

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 full full face respirator for large spills to avoid inhalation of toxic chlorine gas which is liberated and protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust / 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:

Immediate action is necessary. Add sodium sulphite (3.5 kg/kg product) to neutralize spill. If no active chlorine remains, add soda ash (2.0 kg/kg product) to complete neutralisation. Manually collect spilled product and place in sealable containers. Do not return spilled product to original container. Do not use a metal container. Do not add water to spilled product. Where a spill has occurred in a confined space or an inadequately ventilated enclosure and the material is damp and evolving chlorine, the rate of chlorine evolution can be reduced by covering the thinly spread solid with soda ash.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust / 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, well ventilated place and out of direct sunlight. Keep containers closed when not in use, sealed and dry – material reacts with water. Highly reactive. Handle with extreme care. Do not drop, roll or skid containers. Avoid contaminating with any other materials. Protect from high temperatures, fire and moisture. Store away from alkaline materials, acids and calcium hypochlorite.

(Contd. on page 4)

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(Contd. of page 3)

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

7782-50-5 Chlorine

NES | Peak limitation: 3 mg/m³, 1 ppm

Engineering Controls:

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

Respiratory Protection:

Select respirator based on its suitability to provide adequate worker protection for given working conditions and level of airborne contamination. See Australian Standards AS/NZS 1715 and 1716 for more information. Use air-purifying respirator when airborne chemical dust or mist may be present.

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 dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Solid - tablets
Colour:	White
Odour:	Chlorine odour
Odour Threshold:	Not determined.
pH-Value at 20 °C:	2.8
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	Contact with combustible material may cause fire.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	225 °C
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable.
Density at 20 °C:	ca. 2.5 g/cm ³
Relative Density at 20 °C:	2.07 g/cm ³
Vapour Density:	Not applicable.
Evaporation Rate:	Not applicable
Solubility in Water:	Soluble in water

(Contd. on page 5)

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(Contd. of page 4)

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.

Conditions to Avoid: Heat, sparks, open flames, hot surfaces, direct sunlight and moisture.

Incompatible Materials: Alkaline materials, acids and calcium hypochlorite.

Hazardous Decomposition Products: Toxic chlorine gas.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

87-90-1 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-trichloro-

Oral	LD ₅₀	406 mg/kg (rat)
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Acute Health Effects

Inhalation:

Causes respiratory irritation. Chlorine, evolved from decomposition when wet, is a severe respiratory irritant, corrosive, and highly toxic. Delayed effects can include shortness of breath, headache, pulmonary oedema, and pneumonia.

Skin: Contact with skin may cause severe irritation. Burns are induced when moisture is added.

Eye:

A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of the eyes can result in permanent injury.

Ingestion:

Harmful if swallowed. Ingestion can cause nausea, vomiting, diarrhea, abdominal pain, convulsions and chemical burns.

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

Serious Eye Damage / Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation: No sensitising effects known.

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: May cause respiratory irritation.

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: No information available

Existing Conditions Aggravated by Exposure: Asthma and other respiratory disorders and heart disease.

12 . ECOLOGICAL INFORMATION

Ecotoxicity: No information available

(Contd. on page 6)



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(Contd. of page 5)

Aquatic toxicity:

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Persistence and Degradability: No information available**Bioaccumulative Potential:** No information available**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	2468
Proper Shipping Name	TRICHLOROISOCYANURIC ACID, DRY
Dangerous Goods Class	5.1
Packing Group:	II
Marine pollutant:	Yes
Hazchem Code:	1W
Special Provisions:	Not applicable
Limited Quantities:	1 kg
Packagings & IBCs - Packing Instruction:	P002, IBC08
Packagings & IBCs - Special Packing Provisions:	B2, B4
Portable Tanks & Bulk Containers - Instructions:	T3
Portable Tanks & Bulk Containers - Special Provisions:	TP33

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

87-90-1 | 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-trichloro-

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 6

16 . OTHER INFORMATION

Creation Date: 06.02.2015**Last Revision of MSDS:** 22.01.2010**Prepared by:** MSDS.COM.AU Pty Ltdwww.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

(Contd. on page 7)



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(Contd. of page 6)

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

LC₅₀: Lethal concentration, 50 percent

LD₅₀: 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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