

Safety Data Sheet

1. Identification of the Material and Supplier

Product Name: MaxiFlox® 44
Supplier: Science Developments Pty Ltd
ABN: 96 001 815 363
Address: Unit 1, 8 Turbo Road
Kings Park NSW 2148 AUSTRALIA
Contact Details: +61 (2) 9622 5185
projects@scidev.com.au

Emergency Telephone: 13 11 26 (Poison Information Hotline)

Recommended Use: Metallurgical Process Water Circuit Conditioner

Date: 5 August 2019

2. Information of Ingredients

Product Name: Inorganic salt mix

Hazardous Ingredients: Respirable quartz (CAS# 14808-60-7) – greater than 0.1% by weight

3. Hazards Identification

Effects from Eye Contact: Exposure to airborne dust may cause immediate or delayed irritation or inflammation. Eye contact by large amounts of dry powder or splashes of wet gypsum dust may cause eye irritation. Such exposures may require immediate first aid (see Section 4) and medical attention to prevent damage to the eye.

Effects from Skin Contact: Direct contact may cause irritation by mechanical abrasion

Effects from Inhalation: Maiflox® 44 may contain trace amounts of free crystalline silica. Prolonged exposure to respirable free silica can aggravate other lung conditions and cause silicosis, a disabling and potentially fatal lung disease.

Exposure to MaxiFlox® 44 dust may cause irritation to the moist mucous membranes of the nose, throat, and upper respiratory system. It may also leave unpleasant deposits in the nose.



Effects from Ingestion: Although small quantities of dust are not known to be harmful, ill effects are possible if larger quantities are consumed.

Carcinogenic potential: The components of ClariVie44® are not listed as a carcinogen by NTP, OSHA, or IARC. It may however, contain trace amounts of substances listed as carcinogens by these organizations. Crystalline silica, which is a component of ClariVie44, is now classified by IARC as known human carcinogen (Group I). NTP has characterized respirable silica as "reasonably anticipated to be [a] carcinogen."

4. First Aid Measures

Inhalation: Remove to fresh air. Seek medical help if coughing and other symptoms do not subside.

Skin Contact: Wash skin with cool water and pH-neutral soap or a mild detergent. Seek medical treatment if irritation persists or later develops.

Eye Contact: Immediately flush eyes thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Call physician if irritation persists or later develops.

Ingestion: Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

5. Fire Fighting Measures

Recommended extinguishers: Not combustible, however, if material is involved in a fire use: Normal foam, dry agent (carbon dioxide, dry chemical powder).

Specific Hazards arising From the chemical: Non combustible material

Protective equipment: Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

6. Accidental Release Measures

Measures for personal safety: Use suitable protective equipment (PPE) including dust mask and gloves.

Cleaning methods: Collect dry material using a scoop.
Avoid actions that cause dust to become airborne.
Avoid inhalation of dust and contact with skin.
Wetting of spilled materials may be beneficial to minimize generation of airborne dusts.

7. Handling & Storage

Handling precautions: Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

Storage conditions: Requirements to be met by storerooms and receptacles:
Storage should be undercover and out of rain or wet conditions

8. Exposure Controls/Personal Protection

Ventilation: Use local exhaust or general dilution ventilation to control exposure within applicable limits.

Respiratory protection: Avoid actions that cause dust to become airborne.
Use local or general exhaust ventilation to control exposures below applicable exposure limits. Use NIOSH/MSHA approved respirators in poorly ventilated areas, if an applicable exposure limit is exceeded, or when dust causes discomfort or irritation.

Eye protection: Safety glasses with side shields should be worn as minimum protection.

In extremely dusty environments and unpredictable environments wear unvented or indirectly vented goggles to avoid eye irritation or injury.

Contact lenses should not be worn when working with products which may generate airborne dust

Protection for skin: Wash dust-exposed skin with soap and water before eating, drinking, smoking, and using the toilet facilities.

9. Physical and Chemical Properties

Physical state:	Crystalline Solid
Colour:	White / nearly white, odourless
Odour:	None
Melting point:	Not available
Vapour pressure:	Not available
Specific Gravity (H₂O = 1.0):	2.45
Flash point:	Not available
Vapour density:	Not available
Water solubility:	Negligible

10. Stability and Reactivity

Chemical Stability:	Stable under normal temperature and pressure.
Conditions to avoid:	Avoid contact with incompatible materials (see below)
Substances to avoid:	Aluminium (at high temperatures), Diazomethane
Hazardous decomposition products:	Will not spontaneously occur. Silica-containing respirable dust particles may be generated by handling

11. Toxicological Information

Ingestion:	Hazardous
Eye Contact:	May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eye.
Skin Contacts:	Irritant
Inhalation:	Breathing in dust may result in respiratory irritation.
Chronic Effect:	No information available for this product.

12. Ecological Information

Avoid contaminating waterways.

This material is not classified as dangerous for the environment.

13. Disposal Considerations

Refer to Waste Management Authority. Dispose of content/containers in accordance with local/ regional/ national/ international regulation.

14. Transport Information

Road and Rail Transport:	Not classified as Dangerous Goods by criteria of the Australian Dangerous Goods Code (ADG Code) by transport by Road and Rail. NON-DANGEROUS GOODS.
Marine Transport:	Not classified as Dangerous Goods by criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by Sea. NON-DANGEROUS GOODS.
Air Transport:	Not classified as Dangerous Goods by criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. NON-DANGEROUS GOODS.

15. Regulatory Information

Based on available information, not classified as hazardous according to Safe Work Australia; NON- HAZARDOUS SUBSTANCE.

Poison Schedule (SUSMP): Non-allocated.

All the constituents of this material are listed on the Australian Inventory of Chemicals Substances (AICS).

16. Other Information

This safety data sheet has been prepared by Science Developments Pty Ltd. Reason for Issue: Updated information

This SDS summarises to our best knowledge at the date of this issue the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Science Developments Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact Science Developments Pty Ltd as per the contact details on page 1.