



MATERIAL SAFETY DATA SHEET

(In accordance with COMMISSION REGULATION (EU) No 453/2010)

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

- Product Name Actin ExM Range
- Product Code PL-3-04 range
- Chemical Name n.a.
- REACH registration number No registration number is given yet for this substance / substances in this mixture since the annual import quantity is less than one tonnage per annum or the transition period for its registration according to Article 23 of REACH has not yet expired.

Relevant identified uses of the substance or mixture and uses advised against

- Relevant identified uses: For research use only.
- Use Description Code SU22 - Public domain (administration, education, entertainment, services, craftsmen), PROC15 - Use as a laboratory reagent, PC21 - Laboratory chemicals, SU24 - Scientific research and development
- Uses advised against: Not for consumer use

Details of the supplier of the safety data sheet

Manufacturer/Supplier

Chrometra BVBA
Merelnest 3
3470 Kortenaeken
Belgium
Tel. +32 467 020 040

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

T- Toxic

R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent	Classification according to Regulation (EC) No 1272/2008 [CLP]
Phalloidin Derivative	N.a.	100%	R23/24/25

4 FIRST AID MEASURES

Description of first aid measures

Skin Contact Rinse with plenty of water for at least 15 minutes. Call a physician immediately.
 Eye contact Rinse with plenty of water for at least 15 minutes. Call a physician immediately.
 Ingestion Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician immediately.
 Inhalation Move to fresh air. Call a physician immediately.
 Notes to Physician Treat symptomatically.

Most important symptoms and effects, both acute and delayed Not applicable.

Indication of any immediate medical attention and special treatment needed None.

5 FIREFIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Unsuitable Extinguishing Media No information available.

Special hazards arising from the substance or mixture Not Known

Advice for fire-fighters In the event of fire, wear self-contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Use personal protection equipment. See Section 8 for more detail.

Environmental precautions No special environmental precautions required. Avoid discharge into drains and waterways whenever possible

Methods and material for containment and cleaning up Soak up with inert absorbent material

Reference to other sections See section 8 for more information

7 HANDLING AND STORAGE

Precautions for safe handling Use personal protective equipment as required. Avoid dust formation.

Conditions for safe storage, including any incompatibilities Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

Specific end use(s) For research use only

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures Ensure adequate ventilation, especially in confined areas

Personal protection equipment

Respiratory protection	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.
Hand Protection	Wear suitable gloves Glove material: Compatible chemical-resistant gloves.
Eye protection	Tight sealing safety goggles
Skin and body protection	Wear suitable protective clothing
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice
Environmental exposure controls	No special environmental precautions required. Avoid discharge into drains and waterways whenever possible

9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

- Form: Solid
- Appearance: Coloured liquid
- Odour: no data available
- Odour Threshold: no data available
- Boiling Point no data available
- Melting Point: no data available
- Flash point: no data available
- Autoignition temperature: no data available

Oxidising properties: no data available
 Water solubility: Miscible
 Viscosity: no data available
 PH Range: no data available

10 STABILITY AND REACTIVITY

Reactivity	None Known
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	Carbon Oxides, nitrogen oxides, Sulphur oxide
Conditions to Avoid	No information available
Incompatible Materials	Strong acids, Strong oxidizing agents
Hazardous decomposition	No information available

11 TOXICOLOGICAL INFORMATION

Information on acute toxicological effects

No data available

Principle Routes of Exposure, Potential health effects

Eyes	No information available
Skin	Toxic in contact with skin
Inhalation	Toxic by inhalation
Ingestion	Toxic if swallowed

Specific effects

Corrosivity	Conclusive but not sufficient for classification
Sensitisation	No information available
Carcinogenicity	No information available
Mutagenicity	No information available
Reproductive toxicity	No information available

12 ECOLOGICAL INFORMATION

Ecotoxicity	No information available
Persistence/degradability	No information available
Bioaccumulative potential	No information available
PBT/vPvB assessment	No information available
Other adverse effects	No information available

13 SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

14 SECTION 14: TRANSPORT INFORMATION

IATA / ADR / DOT-US / IMDG Not classified as dangerous in the meaning of transport regulations.

UN Number Not applicable

UN proper shipping name Not applicable

Transport hazard class(es) Not applicable
Packing group Not applicable
Environmental Hazards Not applicable
Special precautions for user Not applicable
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

15 SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Indication of danger

T – Toxic

R-phrases(s)

R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed

S-phrases(s)

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

S36 - Wear suitable protective clothing

S37 - Wear suitable gloves

16 SECTION 16: OTHER INFORMATION

R-phrases(s) Not applicable

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:
Not applicable

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"