

Material Safety Data Sheet

Date 10/20/13

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1. PRODUCT

Product name: Actin

Hypermol product numbers: 8101-01; 8201-01; 8111-01;
8101-02; 8201-02; 8111-02;
8101-03; 8201-03;
8104-04;

1.2. USE

Laboratory chemical, for research use only. Not for use in human or veterinary therapeutic or diagnostic processes.

1.3. MANUFACTURER AND SUPPLIER OF THE SAFETY DATA SHEET

Hypermol EK Phone: 0049-521-9876226
Theesener Str. 7a FAX: 0049-521-9876227
D 33739 Bielefeld, Germany

1.4. EMERGENCY TELEPHONE NUMBER

Poison Centre Munich +49(0)8919240

SECTION 2: HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

This product is not hazardous according to Regulation 1272/2008/EC.

Not classified as dangerous according to Directive 67/548/EEC.

Significant effects or critical hazards are not expected when the recommended instructions for use are followed.

Swallowing or contact with eyes and skin may cause moderate (but insufficient to be classified) mechanical irritations to sensitive persons.

2.2. LABEL ELEMENTS

No label required in accordance with EC directives.

2.3. OTHER HAZARDS

Not known

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

3.1. SUBSTANCES

Major component: purified actin protein from cross-striated muscles (skeletal or cardiac).

No further components need to be disclosed according to the applicable regulations

SECTION 4: FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

Skin contact	Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.
Eye contact	Rinse thoroughly with plenty of water for several minutes, also under the eyelids. If symptoms persist, call a physician.
Ingestion	Rinse mouth with water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Notes to physician	Treat symptomatically.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No data available

SECTION 5: FIRE FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA	water, carbon dioxide, foam, or dry chemical
5.2. SPECIAL FIRE FIGHTING PROCEDURES	none
5.3. SPECIAL ADVICE FOR FIRE FIGHTERS	none

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS	Use personal protective equipment. Ensure adequate ventilation.
6.2. ENVIRONMENTAL PRECAUTIONS	Do not let the product into drains. Prevent further spillage if safe to do so.
6.3. METHODS FOR CLEANING UP	Take up mechanically and collect in suitable container for disposal.
6.4. REFERENCE TO OTHER SECTIONS	For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING	Avoid contact with skin and eyes. Avoid inhalation. No specific handling instructions.
7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	Keep in properly labelled containers. Keep containers tightly closed. Recommended storage temperature: below – 20°C.
7.3. SPECIFIC END USES	no data available

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. EXPOSURE LIMITS	Contains no substances with occupational exposure limit values.
8.2. EXPOSURE CONTROLS	
Personal protective equipment	Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment Safety glasses with side shields Impervious gloves Lightweight protective clothing
Environmental exposure control	Prevent product from entering drains

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Form:	lyophilized white powder
Boiling point:	no data available
Melting point:	no data available
Flash point:	no data available
Self-igniting:	no data available
Danger of explosion:	product is not explosive
Water solubility:	water soluble

9.2. OTHER SAFETY INFORMATION:	no data available
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SECTION 10: STABILITY AND REACTIVITY

10.1. REACTIVITY	no data available
10.2. CHEMICAL STABILITY	stable under recommended storage conditions
10.3. POSSIBILITY OF HAZARDOUS REACTIONS	no data available
10.4. CONDITIONS TO AVOID	no data available
10.5. INCOMPATIBLE MATERIALS	strong acids, strong oxidizing agents, metals
10.6. HAZARDOUS DECOMPOSITION PRODUCTS	no data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS no data available
may be harmful if inhaled or ingested.
may cause irritations of skin or eye upon contact.

SECTION 12: ECOLOGICAL INFORMATION

12.1. TOXICITY no data available
12.2. PERSISTENCE AND DEGRADABILITY no data available
12.3. BIOACCUMULATIVE POTENTIAL no data available
12.4. MOBILITY IN SOIL no data available
12.5. RESULTS OF PBT and vPvB ASSESSMENT no data available
12.6. OTHER ADVERSE EFFECTS no data available. May be harmful to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste must be disposed in accordance with the local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

14.1. UN-Number no information available
14.2. UN PROPER SHIPPING NAME not dangerous goods
14.3. HAZARD CLASS no information available
14.4. PACKAGING GROUP no information available
14.5. ENVIRONMENTAL HAZARDS no information available

SECTION 15: REGULATORY INFORMATION

The product is classified and labelled in accordance with Regulation 1907/2006/EC.

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE
no data available

15.2. CHEMICAL SAFETY ASSESSMENT

R-phrase(s)
no data available
S-phrase(s)
no data available

SECTION 16: OTHER INFORMATION

The above information was acquired by careful investigation and is provided in good faith. Hypermol makes no representation as to its comprehensiveness or accuracy. The information shall not be taken as being all inclusive and should be taken only as a guide. All substances described here may contain unknown hazards, and should be used with professional caution. Since Hypermol cannot control the actual conditions of use and handling, it shall not be held liable for any damages resulting from the use of or reliance upon this information.

END OF MSDS