

# Material Safety Data Sheet



**ACTIDIONE AR**

VERSION : 03  
DATE OF ISSUE : 31-01-2022  
SUPERSEDES : 02

Product Code : 21160

Page 1 of 8

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name : ACTIDIONE AR  
Product code : 21160  
Identification of the product : ACTIDIONE AR  
CAS No : 66-81-9

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

### 1.3. Details of the supplier of the safety data sheet

Company identification : MOLYCHEM  
Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor,  
Mumbai – 400 002 (INDIA)  
Tel:+91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.  
Email : [info@molychem.net](mailto:info@molychem.net)  
Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile  
Co.,Kulgaon, Badlapur (E), Dist.-Thane-421 503.

### 1.4. Emergency telephone number

Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm)

## 2. Hazards identification –DSD

### 2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : Carc. Cat. 3; R40

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Carcinogenicity - Category 2 - Warning (CLP : Carc. 2) H351

### 2.2. Label elements

Labelling according Regulation (EC) No 1272/2008

Symbol(s) : T : Very toxic

N : Dangerous for the environment



**R Phrase(s) :** R61 : May cause harm to unborn child.  
R28 : Very toxic in contact with skin.  
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic Environment

**S Phrase(s) :** S53 : Avoid exposure – obtain special instruction before use.  
S45 : In case of accident or if you feel unwell, seek medical advice immediately  
S61 : avoid release to the environment . refer to special instruction/safety data sheets.

# Material Safety Data Sheet



ACTIDIONE AR

VERSION : 03  
DATE OF ISSUE : 31-01-2022  
SUPERSEDES : 02

Product Code : 21160

Page 2 of 8



## Hazard pictograms

**Signal words** : Danger

### Hazard statements :

H300 Fatal if swallowed.  
H341 Suspected of causing genetic defects.  
H360D May damage the unborn child.  
H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

P202 Do not handle until all safety precautions have been read and understood.  
P264 Wash skin thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P391 Collect spillage.  
Supplemental Hazard Statements none

Restricted to professional users.

**2.3. Other hazards :** The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## 3. Composition/information on ingredients

### 3.1 Substances

Synonyms : ACTIDIONE AR  
(Cycloheximide)  
Formula : C<sub>15</sub>H<sub>23</sub>NO<sub>4</sub>  
Molecular weight : 281.35 g/mol  
CAS-No. : 66-81-9

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

## 4. First aid measures

### 4.1. Description of first aid measures

#### General advice

Show this material safety data sheet to the doctor in attendance.

#### If inhaled

# Material Safety Data Sheet



**ACTIDIONE AR**

VERSION : 03  
DATE OF ISSUE :31-01-2022  
SUPERSEDES : 02

Product Code : 21160

Page 3 of 8

After inhalation: fresh air.

### **In case of skin contact**

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

### **In case of eye contact**

After eye contact: rinse out with plenty of water. Remove contact lenses.

### **If swallowed**

If swallowed: give water to drink (two glasses at most). Seek medical advice immediately. In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious), administer activated charcoal (20 - 40 g in a 10% slurry) and consult a doctor as quickly as possible.

## **4.2. Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

## **4.3. Indication of any immediate medical attention and special treatment needed**

No data available

## **5. Fire-fighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Water Foam Carbon dioxide (CO<sub>2</sub>) Dry powder

#### **Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

### **5.2. Special hazards arising from the substance or mixture**

Nitrogen oxides (NO<sub>x</sub>)

Carbon oxides

Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

### **5.3. Advice for fire-fighters**

Stay in danger area only with self-contained breathing apparatus.

Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

### **5.4 Further information**

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

## **6. Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

### **6.2. Environmental precautions**

Do not let product enter drains.

# Material Safety Data Sheet



ACTIDIONE AR

VERSION : 03  
DATE OF ISSUE : 31-01-2022  
SUPERSEDES : 02

Product Code : 21160

Page 4 of 8

## 6.3. Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

## 6.4. Reference to other sections

For disposal see section 13.

## 7. Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Work under hood. Do not inhale substance/mixture.

#### Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.2.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage conditions

Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.

#### Storage stability

Recommended storage temperature 2 - 8 °C

#### Storage class

Storage class (TRGS 510): 6.1A: Combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials

### 7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8. Exposure controls/personal protection

### 8.1. Exposure controls

- Personal protection : Avoid all unnecessary exposure.  
Respiratory protection : Wear approved mask.  
Hand protection : Wear protective gloves.  
Skin protection : Wear suitable protective clothing.  
Eye protection : Chemical goggles or safety glasses.  
Others : When using, do not eat, drink or smoke.

### 8.2. Control parameters

Occupational Exposure Limits : No data available.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Physical state : Powder  
Color : White to faint beige  
Odor : No data available  
Melting : 110 °C - dec.

# Material Safety Data Sheet



**ACTIDIONE AR**

VERSION : 03  
DATE OF ISSUE : 31-01-2022  
SUPERSEDES : 02

Product Code : 21160

Page 5 of 8

point/freezing point	
Initial boiling point and boiling range	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Flash point	Not applicable
Autoignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Viscosity	Viscosity, kinematic : No data available Viscosity, dynamic : No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	0.55
Vapor pressure	No data available
Density	No data available
Relative density	No data available
Relative vapor density	No data available
Particle characteristics	No data available
Explosive properties	No data available
Oxidizing properties	None

## 9.2. Other information

No data available

## 10. Stability and reactivity

### 10.1. Reactivity

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

### 10.2. Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

no information available

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

In the event of fire: see section 5

# Material Safety Data Sheet



ACTIDIONE AR

VERSION : 03  
DATE OF ISSUE : 31-01-2022  
SUPERSEDES : 02

Product Code : 21160

Page 6 of 8

## 11. Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Fatal if swallowed.
Skin corrosion/irritation	: No data available
Serious eye damage/irritation	: No data available.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Suspected of causing genetic defects
Carcinogenicity	: Not classified
Reproductive toxicity	: May damage the unborn child.
STOT-single exposure	: No data available
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

## 12. Ecological information

### 12.1. Toxicity

Ecology - water : Toxic to aquatic life with long lasting effects.

### 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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

No data available

## 13. Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials : Hazardous waste due to toxicity.



# Material Safety Data Sheet



**ACTIDIONE AR**

**VERSION : 03**  
**DATE OF ISSUE : 31-01-2022**  
**SUPERSEDES : 02**

**Product Code : 21160**

**Page 8 of 8**

**Further information :** None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008  
**DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

**End of document**

**Prepared by: MOLYCHEM (INDIA)**

**For questions contact: MOLYCHEM**

**Office:** Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade,  
Cuffe Parade, Mumbai 400 005 (INDIA)  
Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.

**Email :** [info@molychem.net](mailto:info@molychem.net)

Works: Plot No. B/9, Badlapur M.I.D.C., OPP. Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503

(The statements contained herein are offered for informational purposes only and are based upon technical data that MOLYCHEM believes to be accurate. It is intended for use only by persons having the necessary technical skills and at their own discretion and risk. Since conditions and manner of use are outside our control, we make NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE.)