

MATERIAL SAFETY DATA SHEET

Product Name	ACTIDIONE 98% AR
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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : ACTIDIONE 98% AR

Product code : A0066

Identification of the product ACTIDIONE 98% AR

CAS No : 66-81-9

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

againstUse: Industrial. For professional use only.

1.3 Details of the supplier of the safety data sheet

Company identification: CYNOR

National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

Email: cynorlaboratories@gmail.com Mobile No.: +91 8799070507

2. Hazards identification -DSD

2.1 Classification of the substance or mixture

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

Reproductive toxicity,H360D

Category 1B

Acute toxicity (oral),H300

Category 1

Germ cell mutagenicity,H341

Category 2

Hazardous to the aquaticH411

environment — Chronic

Hazard, Category 2

Full text of classification categories and H statements : see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label element

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to displayExtra classification(s) to display

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 (show the label)

where possible).

S61: avoid release to the environment . refer to special instruction/safety data sheets.

Hazard pictograms :



GHS06 GHS08 GHS09

Signal word (CLP) : Danger

Hazard statements (CLP) : 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 (CLP) : P201 - Obtain special instructions before use

P264 - Wash hands thoroughly after handling

P273 - Avoid release to the environment

P301+P310 - IF SWALLOWED: Immediately call a doctor

P308+P313 - IF exposed or concerned: Get medical advice/attention

P280 - Wear protective gloves, protective clothing, eye protection, face protection

2.3 Other hazards

No additional information available

3. Composition/information on ingredients

Substance / Preparation: ACTIDIONE 98% AR

CAS No :66-81-9

Substance.

Contains no other components or impurities which will influence the classification of the product.

4. First aid measures

4.1 Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention. First-

aid measures after inhalation : Assure fresh air breathing. If breathing is difficult,remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Wash with plenty of soap and water. Get immediate medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries : May damage the unborn child. Suspected of causing genetic defects.

Symptoms/injuries after ingestion : Fatal if swallowed.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.

Unsuitable extinguishing media : Do not use extinguishing media containing water.

5.2 Specific hazards arising from the substance or mixture

No additional information available

5.3 Advice for fire-fighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For emergency responders:

Protective equipment : Use personal protective equipment as required.

Emergency procedures : Ventilate area.

For non-emergency personnel:

Emergency procedures : Evacuate unnecessary personnel.

6.2 Environmental precautions

Toxic to aquatic life with long lasting effect.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Soak upspills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4 Reference to other sections

No additional information available

7. Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with skin and eyes. Do not breathe vapours. Avoid dust formation.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep container tightly closed.

7.3 Specific end use(s)

No additional information available

8. Exposure controls/personal protection

8.1 Control parameter

No additional information available

8.2 Exposure control

Hand protection : protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear respiratory protection

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : 120 °C

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Solubility : Water: Slightly soluble

Log Pow : 0.55

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : No data available

9.2 Other information

No additional information available

10. Stability and reactivity

10.1 Reactivity

No additional information available

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No additional information available

10.4 Conditions to avoid

Moisture. Air contact.

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

No additional information available

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity : Oral: Fatal if swallowed. Skin

corrosion/irritation : Not classified Serious eye

damage/irritation : Not classified



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Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Suspected of causing genetic defects.
Carcinogenicity : Not classified
Reproductive toxicity : May damage the unborn child. Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Potential adverse human health effects and symptoms : Fatal if swallowed.

12. Ecological information

12.1 Toxicity

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

12.2 Persistence and degradability

Actidione AR (66-81-9)

Persistence and degradability May cause long-term adverse effects in the environment.

12.3 Bioaccumulative potential

Actidione AR (66-81-9)

Log Pow 0.55

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

No additional information available

13. Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to ...

Ecology - waste materials : Hazardous waste due to toxicity.

14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1 UN number

UN-No. (ADR) : 2811

UN-No. (IMDG) : 2811

UN-No.(IATA) : 2811

UN-No.(ADN) : 2811

UN-No. (RID) : 2811

14.2 UN proper shipping name

Proper Shipping Name (ADR) : TOXIC SOLID, ORGANIC, N.O.S. Proper

Shipping Name (IMDG) : TOXIC SOLID, ORGANIC, N.O.S. Proper

Shipping Name (IATA) : TOXIC SOLID, ORGANIC, N.O.S. Proper

Shipping Name (ADN) : TOXIC SOLID, ORGANIC, N.O.S. Proper

Shipping Name (RID) : TOXIC SOLID, ORGANIC, N.O.S.

Transport document description (ADR) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S., 6.1, I, (C/E), ENVIRONMENTALLY HAZARDOUS



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Transport document description (IMDG) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S.,6.1, I, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

Transport document description (IATA) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S.,6.1, I, ENVIRONMENTALLY HAZARDOUS

Transport document description (ADN) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S.,6.1, I, ENVIRONMENTALLY HAZARDOUS

Transport document description (RID) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S.,6.1, I, ENVIRONMENTALLY HAZARDOUS

14.3 Transport hazard class(es)

ADR : Transport hazard class(es) (ADR) : 6.1

Danger labels (ADR) : 6.1

IMDG : Transport hazard class(es) (IMDG) : 6.1

Danger labels (IMDG) : 6.1

IATA : Transport hazard class(es) (IATA) : 6.1

Hazard labels (IATA) : 6.1

AND : Transport hazard class(es) (ADN) : 6.1

Danger labels (ADN) : 6.1

RID : Transport hazard class(es) (RID) : 6.1

Danger labels (RID) : 6.1

14.4 Packing group

Packing group (ADR) : I

Packing group (IMDG) : I

Packing group (IATA) : I

Packing group (ADN) : I

Packing group (RID) : I

14.5 Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : No supplementary information available

14.6 Special precautions for user

Overland transport

Classification code (ADR) : T2

Special provision (ADR) : 274, 614

Limited quantities (ADR) : 0

Excepted quantities (ADR) : E5

Packing instructions (ADR) : P002, IBC07

Mixed packing provisions (ADR) : MP18

Portable tank and bulk container

instructions (ADR) : T6

Portable tank and bulk container special

provisions (ADR) : TP33

Tank code (ADR) : S10AH, L10CH

Tank special provisions (ADR) : TU15, TE19

Vehicle for tank carriage : AT

Transport category (ADR) : 1

Special provisions for carriage - Packages

(ADR) : V10

Special provisions for carriage - Loading, unloading and handling

(ADR) : CV1, CV13, CV28



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Special provisions for carriage - Operation

(ADR): S9, S14

Hazard identification number (Kemler No.) : 66

Orange plates : Tunnel restriction code (ADR) : C/E

EAC code : 2X

- Transport by sea

Special provision (IMDG) : 274

Limited quantities (IMDG) : 0

Excepted quantities (IMDG) : E5

Packing instructions (IMDG) : P002

IBC packing instructions (IMDG) : IBC99

Tank instructions (IMDG) : T6

Tank special provisions (IMDG) : TP33

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-A

Stowage category (IMDG) : B

MFAG-No : 151

- Air transport

PCA Excepted quantities (IATA) : E5

PCA Limited quantities (IATA) : Forbidden

PCA limited quantity max net quantity
(IATA) : Forbidden

PCA packing instructions (IATA) : 666

PCA max net quantity (IATA) : 5kg

CAO packing instructions (IATA) : 673

CAOmax net quantity (IATA) : 50kg

Special provision (IATA) : A3, A5

ERG code (IATA) : 6L

- Inland waterway transport

Classification code (ADN) : T2

Special provisions (ADN) : 274, 614, 802

Limited quantities (ADN) : 0

Excepted quantities (ADN) : E5

Equipment required (ADN) : PP, EP

Number of blue cones/lights (ADN) : 2

- Rail transport

Classification code (RID) : T2

Special provision (RID) : 274, 614

Limited quantities (RID) : 0

Excepted quantities (RID) : E5

Packing instructions (RID) : P002, IBC07

Mixed packing provisions (RID) : MP18

Portable tank and bulk container

instructions (RID) : T6

Portable tank and bulk container special

provisions (RID) : TP33

Tank codes for RID tanks (RID) : S10AH, L10CH

Special provisions for RID tanks (RID) : TU15, TU38, TE22



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Transport category (RID) : 1
Special provisions for carriage – Packages
(RID) : W10
Special provisions for carriage – Loading and
unloading (RID) : CW13, CW28, CW31
Hazard identification number (RID) : 66

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory information

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

15.1.1 EU-Regulations

No REACH Annex XVII restrictions
Actidione AR is not on the REACH Candidate List
Actidione AR is not on the REACH Annex XIV List

15.1.2 National regulations

Germany

AwSV/VwVwS Annex reference : Water hazard class (WGK) 3, strongly hazardous to water
(KBwS-Beschluss; WGK No 716)
12th Ordinance Implementing the Federal
Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident
Ordinance)

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed
to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact
with the product
The requirements from the Danish Working Environment Authorities regarding work with
carcinogens must be followed during use and disposal

15.2 Chemical safety assessment

No additional information available

16. Other information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic. vPvB:
very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE
EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on
classification, labelling and packaging of substances and mixtures, amending and
repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC)
No 1907/2006

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
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