

# Material Safe Data Sheet

## Activonol-5 (Pentylene glycol)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name : Activonol-5  
 Use of the Substance/Preparation : Cosmetic additive  
 1.2 Manufacturer/Supplier/Distributor Information  
 Manufacturer/ Supplier/Distributor : ACTIVON CO., LTD.  
 Address : (28104) 46-5, Duneung yuri-ro, Ochang-eup, Cheongwon-gu, Chungcheongbuk-do, Korea  
 Emergency number : Tel 82-31-206-7461, Fax 82-31-206-7462  
 E-mail activon@activon.kr

### SECTION 2: HAZARDS IDENTIFICATION

In accordance to Regulation 1272/2008/EC the product is classified as hazardous.

#### 2.1 Classification of the substance or mixture

Classification in accordance to Directive No.1272/2008/EC (CLP)

Eye damage : Category1 (Eye dam./irrt.1), H318

#### 2.2 Label elements

Labelling according to Directive 1272/2008/EC (CLP)

Symbol:



GHS05

Signal Word : Danger  
 Name : Activonol-5  
 Contains : Pentylene glycol  
 Hazard Statement: H318: Causes serious eye damage.  
 Precautionary Statements: P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do- Continue rinsing.  
 P310: Immediately call a doctor

## 2.3 Other hazards

Physical hazards : None

Ecological hazards : None

**SECTION 3: INGREDIENT**

## 3.1 Substances

Product Name: Activonol-5

Composition: 1,2-Pentanediol

INCI name	CAS No	EC No	Composition (%)
1,2-Pentanediol	5343-92-0	226-285-3	> 99.00

**SECTION 4: FIRST AID MEASURES**

## 4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## 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

**SECTION 5: FIRE FIGHTING MEASURES**

## 5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

## 5.2 Special hazards arising from the substance or mixture



Carbon oxides

### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### 5.4 Further information

No data available

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Evacuate personnel to safe areas.

For personal protection see section 8.

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers 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 of vapour or mist.

Normal measures for preventive fire protection.

For precautions see section 2.2.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- |                              |  |
|------------------------------|--|
| 8.1 Respiratory Protection   | : At a minimum, workers should wear a NIOSH-approved full-face air-purifying respirator. |
| 8.2 Eye Protection           | : Chemical Safety goggles.   |
| 8.3 General Hygiene Measures | : wash thoroughly after handling   |
| 8.4 Ventilation              | : Mechanical exhaust required.   |

8.5 Skin Protection : Chemical resistant gloves.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance :

physical state : liquid

color : colourless

9.2 Odour: odorless

9.3 Odour threshold: No data available

9.4 pH: No data available

9.5 Melting point/freezing point: -40 °C

9.6 Initial boiling point and boiling range: 209.4°C at 1013.25 hPa

9.7 Flash point : 110 °C (DIN 51758)

9.8 Evaporation rate: No data available

9.9 Flammability (solid, gas): No data available

9.10 Lower explosion limit: 1.7 %(V) (105.5 °C)

9.11 Upper explosion limit: 9.3 %(V) (139 °C)

9.12 Vapor pressure: < 1 mbar (20 °C)

9.13 Solubility: 1000 g/L (water), miscible in any ratio

9.14 Vapor density: < 1 mbar (20 °C)

9.15 Relative density: 0.966 – 0.976 (20 °C)

9.16 Partition coefficient: n-octanol/water: 0.06 (OECD Guideline 107) (25 °C)

9.17 Auto-ignition temperature: No data available

9.18 Decomposition temperature: No data available

9.19 Viscosity: (OECD 114)

Dynamic viscosity: 77.1 mPa s (20°C), 22.9 mPa.s (40°C)

Kinematic viscosity: 79.4 mm<sup>2</sup>/s (20°C), 24.0 mm<sup>2</sup>/s (40°C)

9.20 Particle Size : No data available

9.21 Molecular mass : 104.15 g/mol

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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 oxidizing agents Strong oxidizing agents, Strong bases

#### 10.6 Hazardous decomposition products

Other decomposition products - no data available

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity:

Oral: LD<sub>50</sub> >5,000mg/kg (rat)

Dermal: LD<sub>50</sub> >2,000mg/kg (rat)

Inhalation: LC<sub>50</sub> > 7.015 mg/L air (rat)

Irritation

Assessment of irritating effect: Not irritating to the skin. May cause severe damage to the eyes.

Skin corrosion/irritation rabbit: non-irritant (OECD Guideline 404)

Serious eye damage/irritation rabbit: irreversible damage (OECD Guideline 405)

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No mutagenic

Carcinogenicity: No data available

Reproductive toxicity: NOEL ≥1,000mg/kg/day(rat) not specified

Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard: No data available

Additional Information

No data available

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## 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 (and other compartments if available)

No data available

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### 12.6 Other adverse effects

No data available

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## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed Professional waste disposal service to dispose of this material.

Contaminated packaging. Dispose of as unused product.

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## SECTION 14: TRANSPORT INFORMATION

### Land transport

ADR Not classified as a dangerous good under transport regulations

RID Not classified as a dangerous good under transport regulations

### Inland waterway transport

AND Not classified as a dangerous good under transport regulations

### Sea transport

IMDG Not classified as a dangerous good under transport regulations

### Air transport

IATA/ICAO Not classified as a dangerous good under transport regulations

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## SECTION 15: REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
no data available

### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

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## SECTION 16: OTHER INFORMATION

16.1 Information source and references: ACTIVON CO., LTD.

16.2 Issuing date: February, 01<sup>th</sup>, 2011

16.3 Revision number and date: v1.6 October, 21<sup>th</sup>, 2020

16.4 others



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