

Material Safety Data Sheet (MSDS)

Activonol-3 (Propanediol Natural)

SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name : Activonol-3
 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

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

2.1 Hazard.Risk Classification : This product is not classified.

2.2 Label elements including precautionary statements

Symbol : None
 Signal Word : None
 Hazard Risk Statement : None
 Precautionary Statement : None

2.3 Other Hazard.Risk which are not included in the classification criteria

Physical hazards : None
 Ecological hazards : None

SECTION 3: INGREDIENT

3.1 Substances
 Product Name: Acitovnl-3
 Composition: Propanediol

INCI name	CAS No.	EC No	Composition(%)
Propanediol	504-63-2	207-997-3	100

3.2 Mixtures
 None



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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 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. |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance :

physical state : Liquid

color : Colorless

9.2 Odour: No data available

9.3 Odour threshold: No data available

9.4 pH: No data available

9.5 Melting point/freezing point: -25 °C

9.6 Initial boiling point and boiling range: 208.9 °C (482.1°K)

9.7 Flash point : >99 °C (755.4 mm Hg)

9.8 Evaporation rate: No data available



- 9.9 Flammability (solid, gas): No data available
- 9.10 Upper/lower flammability or explosive limits: No data available
- 9.11 Vapor pressure: No data available
- 9.12 Solubility: Water soluble
- 9.13 Vapor density: No data available
- 9.14 Relative density: No data available
- 9.15 Partition coefficient: n-octanol/water: No data available
- 9.16 Auto-ignition temperature: No data available
- 9.17 Decomposition temperature: No data available
- 9.18 Viscosity: No data available
- 9.19 Particle Size : No data available
- 9.20 Molecular mass: No data available

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

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects
 - 1) Acute toxicity
 - Oral: LD₅₀ 10,500 mg/kg (rat)
 - Dermal: no data available
 - Inhalation: no data available
 - 2) Skin corrosion/irritation
 - no data available
 - 3) Serious eye damage/eye irritation
 - no data available

4) Respiratory or skin sensitization

no data available

5) Germ cell mutagenicity

Negative

6) Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

7) Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

no data available

8) Aspiration hazard

no data available

9) Additional Information

RTECS: Not available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity (OECD 203)

LD₅₀ >210mg/L

LC₅₀ >10mg/L

12.2 Persistence and degradability

Biodegradability : Readily biodegradable (OECD 301 b)

Bioaccumulation : No data available

12.3 Bioaccumulative potential

Mobility in soil

12.4 Mobility in soil

Results of PBT and vPvB assessment

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

12.5 Results of PBT and vPvB assessment

Other adverse effects

NOEC > 1,389 mg/L (OECD 209)

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.

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

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

SECTION 16: OTHER INFORMATION

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

16.2 Issuing date: September 10th, 2013

16.3 Revision number and date: v2.0 March, 4th, 2022

16.4 others