

ERYTHROMYCIN**ERYT****SECTION 1 Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Identification of the product : Substance
Product code : ERYT005, ERYT100
Trade name : ERYTHROMYCIN
CAS number : 114-07-8
EINECS No: : 204-040-1
Molecular Formula : C37H67NO13
Molecular Weight : 733.93 g/mol

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

1.2.1 Relevant identified uses : For research purposes only
1.2.2 Uses advised against : No additional information available

1.3. Details of the supplier of the safety data sheet

Company identification : Formedium Ltd.
King's Lynn, England, PE31 6DJ
Tel: +44(0)1485 609069
Web: www.Formedium.com
E-mail: info@formedium.com

1.4. Emergency telephone number

Emergency Telephone Number: Tel: +44(0)1485 609069 (local time : 9.00 to 17.00)
NHS Direct 111 (UK, 24 hours), 112 (EU, 24 Hours)

SECTION 2 Hazards identification**2.1. Classification of the substance or mixture**

Not a dangerous substance according to GHS.

Classification according to Regulation (EC) No 1272/2008

Not regulated

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008**

Hazards pictograms code : None
Precautionary statements : None

2.3 Other hazards**PBT**

This product is not identified as a PBT substance.

ERYTHROMYCIN**ERYT****SECTION 3 Composition/information on ingredients****Components** : This product is not classified as hazardous.

| Substance name: | CAS No: | EC No: |
|-----------------|----------|-----------|
| Erythromycin | 114-07-8 | 204-040-1 |

SECTION 4 First aid measures**4.1. Description of first aid measures**

Inhalation : Remove victim to fresh air. If not breathing give artificial respiration.

Skin contact : Wash immediately with plenty of soap and water.

Eye contact : Flush eyes with water and copious amounts of water for at least 15 minutes.

Ingestion : Rinse mouth with water.

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

Inhalation : There may be irritation of the throat with a feeling of tightness in the chest.

Skin contact : There may be mild irritation at the site of contact.

Eye contact : There may be irritation and redness.

Ingestion : There may be irritation of the throat.

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

Not applicable.

SECTION 5 Fire-fighting measures**5.1. Extinguishing media****Suitable extinguishing media** : Water spray, alcohol-resistant foam, dry chemical or Carbon Dioxide.**5.2. Special hazards arising from the substance or mixture****Special exposure hazard** : Emits toxic fumes under fire conditions.**5.3. Advice for firefighters****Special protective equipment for fire-fighters** : If necessary, wear self contained breathing apparatus.
Wear protective clothing to prevent contact with skin and eyes.

ERYTHROMYCIN**ERYT****SECTION 6 Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions : Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions : Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean up procedures : Wash spill site with plenty of water after material pickup is complete.

6.4. Reference to other sections

For personal protection see section 8.

SECTION 7 Handling and storage**7.1. Precautions for safe handling**

Handling requirements : Avoid the formation or spread of dust in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a cool, well ventilated area. Keep container tightly closed. Avoid contact with water or humidity.

Storage temperature: $\leq + 4^{\circ}\text{C}$.

7.3. Specific end use(s)

Specific end use(s) : For research purposes only

SECTION 8 Exposure controls/personal protection**8.1. Control parameters**

Workplace exposure limit values : Not applicable.

8.2. Personal Protective Equipment

- **Eye protection** : Safety glasses. Approved and tested under appropriate government standards such as NIOSH (US) or EN 166 (EU).
- **Skin and body protection** : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of dangerous substance at the specific workplace.
- **Hand protection** : Handle with gloves. Gloves Use proper glove removal techniques (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
- **Respiratory protection** : Respiratory protection is not required. Where protection from nuisance levels of dust are desired use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- **Hygiene measures** : General industrial hygiene practice.

ERYTHROMYCIN**ERYT****SECTION 9 Physical and chemical properties****9.1. Information on basic physical and chemical properties**

| | |
|--|----------------------------|
| Form | : Powder |
| Colour | : White |
| Odour | : No data available. |
| Odour threshold | : No data available. |
| pH | : No data available. |
| Melting point | : No data available |
| Boiling point | : No data available. |
| Flash point | : No data available. |
| Solubility in water | : No data available. |
| Relative Density | : No data available |
| Vapour density | : No data available. |
| Vapour pressure | : No data available |
| Partition coefficient: n-octanol / water | : log Pow : not determined |
| Evaporation rate | : No data available |
| Flammability (solid, gas) | : No data available. |
| Ignition temperature | : No data available. |
| Decomposition temperature | : No data available |
| Oxidising properties | : No data available. |
| Explosive properties | : No data available. |
| Upper / Lower flammability or explosive limits | : No data available. |
| Lower explosion limit | : No data available. |
| Upper explosion limit | : No data available. |
| Viscosity | : No data available. |

9.2. Other information

No additional information available

ERYTHROMYCIN**ERYT****SECTION 10 Stability and reactivity****10.1. Reactivity**

Stable under recommended transport or storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Heat.

SECTION 11 Toxicological information**11.1. Information on toxicological effects****Skin contact**

: There may be slight irritation at the site of contact.

Eye contact

: There may be irritation and redness.

Ingestion

: There may be irritation of the throat.

Inhalation

: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects

: Immediate effects can be expected after short-term exposure.

11.2. Additional Information**Endocrine disrupting properties :**

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.

SECTION 12 Ecological information**12.1. Toxicity**

Not applicable.

12.2. Persistence and degradability

Biodegradable.

12.3. Bioaccumulative potential

No bioaccumulation potential.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This substance is not identified as a PBT substance.

12.6. Other adverse effects

Negligible ecotoxicity.

12.7. Endocrine disrupting properties

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.

ERYTHROMYCIN**ERYT****SECTION 13 Disposal considerations****13.1. Waste treatment methods****Disposal operations**

Contact a licenced waste disposal service to dispose of this material. Disposal should be made in accordance with all federal, state and local environmental regulations.

SECTION 14 Transport information

This product does not require a classification for transport.

SECTION 15 Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EU) No. 2015/830.

15.2. Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

SECTION 16 Other information**Further information**

: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Formedium Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

Revision

: Complete SDS revision

End of document