



Safety Data Sheet  
according to 1907/2006/EC, Article 31, amended by  
Regulation (EU) No. 453/2010

## PRESERVATIVE ECO

Date: 09/07/2018

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

#### 1.1 Product Identifier

**Trade Name:** Preservative Eco

**INCI Name:** Benzyl Alcohol, Salicylic Acid, Glycerin, Sorbic Acid

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

**Product Use:** Industrial uses: Uses of substances as such or in preparations at industrial sites;  
Cosmetics, personal care products.

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

Naturally Balmy Ltd  
30 Southbourne Road  
Bournemouth  
BH6 5AD

#### 1.4 Emergency telephone number

01202 567046

### 2. Hazards Identification

#### 2.1 Classification of the substance or mixture

2.1.1. Classification 1999/45/EC: Xn; R20/22 Xi; R36

**Main hazards:** Harmful by inhalation and if swallowed. Irritating to eyes.

**2.1.2. Classification – EC 1272/2008:** Acute Tox. 4: H-302; Eye Dam.1: H318;

## 2.2 Label elements

**Hazard pictograms:**



**Signal Word:** Danger.

**Hazard Statement:**

Acute Tox. 4: H302 - Harmful if swallowed.

Eye Dam. 1: H318 - Causes serious eye damage.

**Precautionary Statement Prevention:**

P264 - Wash thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statement Response:**

P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell.

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 POISON CENTER/doctor/.

P330 - Rinse mouth.

**Precautionary Statement Disposal:** P501 - Dispose of contents/container to the appropriate waste treatment.

## 2.3 Other hazards

No information available.

# 3. Composition/Information on ingredients

## 3.1 Substances

## 3.2 Mixtures

### 67/548/EEC 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Benzyl alcohol	603-057-00-5	100-51-6	202-859-9	01 -21 19492630-38	80 – 90%	Xn; R20/22	
hexa-2,4-dienoic acid		110-44-1	203-768-7		1 – 10%	Xi; R36/37/38	
salicylic acid		69-72-7	200-712-3		1 – 10%	Xn; R22 Xi; R41	

### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Benzyl alcohol	603-057-00-5	100-51-6	202-859-9	01 -21 19492630-38	80 – 90%	Acute Tox. 4: H332; Acute Tox. 4: H-4302;	
hexa-2,4-dienoic acid		110-44-1	203-768-7		1 – 10%	Skin Irrit. 2: H31 5; Eye Irrit. 2: H319; STOT SE 3: H335	
salicylic acid		69-72-7	200-712-3		1 – 10%	Acute Tox. 4: H302; Eye Dam. 1 : H318	

## 4. First Aid Measures

### 4.1 Description of first aid measures

#### Inhalation:

Move the exposed person to fresh air.  
If unconscious, check for breathing and apply artificial respiration if necessary.  
If unconscious place in the recovery position.  
If symptoms persist, consult doctor.

#### Eye contact:

Risk of serious damage to eyes.  
Avoid contact with eyes.  
Rinse immediately with plenty of water for 15 minutes holding the eyelids open.  
Remove contact lenses, if present and easy to do.  
Continue rinsing.  
Get medical attention immediately.

#### Skin contact:

Wash off immediately with plenty of soap and water.  
Immediately take off all contaminated clothes.  
If you feel unwell, seek medical advice (show the label where possible).

#### Ingestion:

Wash out mouth with water.  
Move the exposed person to fresh air.  
If material has been swallowed and the exposed person is conscious, give small quantities of water to drink.  
Stop if the exposed person feels sick as vomiting may be dangerous.  
**DO NOT INDUCE VOMITING.**  
If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.  
If unconscious, place in recovery position and get medical attention immediately.  
Get medical attention immediately.

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

**Inhalation:** No data.

**Eye contact:** No data.

**Skin contact:** No data.

**Ingestion:** No data.

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

**Inhalation:** No data.

**Eye contact:** No data.

**Skin contact:** No data.

**Ingestion:** No data.

#### General information:

Treat symptomatically.  
Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5. Fire Fighting Measures

### 5.1 Extinguishing media

Dry chemical.  
Alcohol resistant foam.

Water spray.  
Do NOT use water jet.

## 5.2 Special hazards arising from the substance or mixture

On combustion toxic gases are released.  
Do not allow runoff water to enter sewers or drains.

## 5.3 Advice for firefighters

Wear suitable respiratory equipment when necessary.  
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.  
No action shall be taken involving any personal risk or without suitable training.  
Collect contaminated fire extinguishing water separately.  
This must not be discharged into drains.  
Use water to keep fire-exposed containers cool and disperse vapours.

# 6. Accidental Release Measures

## 6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection.  
Do not breathe vapours.  
Ensure adequate ventilation of the working area.

## 6.2 Environmental precautions

Do not allow product to enter drains.  
If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

## 6.3 Methods and material for containment and cleaning up

Stop leak if without risk.  
Move containers from spill area.  
Approach release from upwind.  
Prevent entry into sewers, water courses, basements or confined areas.  
Wash spillages into an effluent treatment plant or proceed as follows.  
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13).  
Dispose of via a licensed waste disposal contractor.  
Contaminated absorbent material may pose the same hazard as the spilled product.  
Note: See section 1 for emergency contact information and section 13 for waste disposal.  
Follow domestic and national effective laws.  
See Section 1 for emergency contact information.  
See Section 7 for information on safe handling.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## 6.4 Reference to other sections

# 7. Handling and Storage

## 7.1 Precautions for safe handling

Avoid contact with eyes and skin.  
Do not breathe gas/fumes/vapour/spray.

Wear suitable protective clothing and eye/face protection.  
Do not eat, drink or smoke in areas where this product is used or stored.  
Take precautionary measures against static discharges.  
Avoid contact with eyes and skin.  
Do not breathe gas/fumes/vapour/spray.  
Wear suitable protective clothing and eye/face protection.  
Do not eat, drink or smoke in areas where this product is used or stored.  
Take precautionary measures against static discharges.  
Attempt to eliminate the possibility of creating the risk of spill and entry into the environment.

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

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink.  
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

### **7.3 Specific end use(s)**

No information available.

## **8. Exposure Controls/Personal Protection**

### **8.1 Control parameters**

No information available.

### **8.2 Exposure controls**

#### **Eye / face protection:**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Recommended: Tightly-fitting goggles.

Wear eye/face protection.

Wear: safety glasses with side-shields.

Avoid contact with eyes.

**Skin protection:** Wear: Nitrile rubber gloves.

**Hand protection:** Type of gloves — protective gloves according to EN 374.

#### **Skin protection – Other:**

Wear clothes with full skin protection.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Recommended: chemical-resistant protective suit.

#### **Respiratory protection:**

Appropriate respiratory protection.

Suitable half mask respirator with filter P3 (EN 141ABEK1).

**Environmental exposure controls:** Do not allow product to enter drains.

## **9. Physical and Chemical Properties**

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

**Appearance:** Liquid.

**Colour:** Light yellow.

**Odour:** Characteristic.

**Initial boiling point:** 245 °C  
**Flash point:** No data available.  
**Evaporation rate:** No data available.  
**Flammability (solid, gas):** No data available.  
**Vapour pressure:** No data available.  
**Vapour density:** No data available.  
**Relative density:** No data available.  
**Fat Solubility:** No data available.  
**Partition coefficient:** No data available.  
**Autoignition temperature:** No data available.  
**Viscosity:** No data available.  
**Explosive properties:** No data available.  
**Oxidising properties:** No data available.  
**Odour threshold:** No data available.  
**pH:** No data available.  
**Melting point:** No data available.  
**Freezing Point:** No data available.  
**Solubility:** Slightly soluble in water.  
**Conductivity:** No data available.  
**Surface tension:** No data available.  
**Gas group:** No data available.  
**Benzene Content:** No data available.  
**Lead content:** No data available.  
**VOC (Volatile organic compounds):** No data available.

## 9.2 Other information

# 10. Stability and Reactivity

## 10.1 Reactivity

The product is stable under the recommended handling and storage conditions.

## 10.2 Chemical stability

The product is stable under the recommended handling and storage conditions.

## 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

## 10.4 Conditions to avoid

Heat, sparks and open flames.

## 10.5 Incompatible materials

Strong acids. Strong oxidising agents.

## 10.6 Hazardous decomposition products

Product does not decompose under normal conditions.

# 11. Toxicological Information

## 11.1 Information on toxicological effects

**Acute toxicity:**

LD50 (oral, rat): > 1230 mg/kg,

LD50 (dermal, rabbit): > 2000 mg/kg.

**Skin corrosion/irritation:** Causes mild skin irritation.

**Serious eye damage/irritation:** Irritant.

**Respiratory or skin sensitisation:**

Inhalation toxicity: > 200 mg/m<sup>3</sup>.

May cause sensitisation by inhalation and skin contact.

**Germ cell mutagenicity:** No mutagenic effects reported.

**Carcinogenicity:** No carcinogenic effects reported.

**Reproductive toxicity:** No teratogenic effects reported.

**STOT-single exposure:** No data available.

**STOT-repeated exposure:** No data available.

**Aspiration hazard:** No data available.

**Repeated or prolonged exposure:** No data available.

**Toxicological information:**

Benzyl alcohol:

Oral Rat LD50: 1610 mg/kg

Dermal Rabbit LD50: 2000 mg/kg

Inhalation Rat LC50/4 h: > 4178 mg/m<sup>3</sup>

## 12. Ecological Information

### 12.1 Toxicity

**Benzyl alcohol**

Daphnia EC50/48h: 230.0000 mg/l

Algae LC50/72h: 770.000000 mg/l

Fish LC50/96h: 460.000000 mg/l

NOEC / EC10 for marine or freshwater organisms: 310.000000 mg/l

### 12.2 Persistence and degradability

No data.

### 12.3 Bioaccumulative potential

Log Pow=1.05.

BCF 1.37.

**Partition coefficient:** No data available.

### 12.4 Mobility in soil

No data.

### 12.5 Results of PBT and vPvB assessment

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

### 12.6 Other adverse effects

No data.

## 13. Disposal Considerations

### 13.1 Waste treatment methods

Remove in accordance with the local official recommendations.

This material and its container must be disposed of in a safe way.

#### Disposal methods:

Do not empty into drains.

Dispose of this material and its container to hazardous or special waste collection point.

**Disposal of packaging:** Dispose of this material and its container to hazardous or special waste collection point.

## 14. Transport Information

### 14.1 UN number

The product is not classified as dangerous for carriage.

### 14.2 UN proper shipping name

The product is not classified as dangerous for carriage.

### 14.3 Transport hazard class(es)

The product is not classified as dangerous for carriage.

### 14.4 Packing group

The product is not classified as dangerous for carriage.

### 14.5 Environmental hazards

The product is not classified as dangerous for carriage.

### 14.6 Special precautions for user

The product is not classified as dangerous for carriage.

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

The product is not classified as dangerous for carriage.

## 15. Regulatory Information

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

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

### 15.2 Chemical safety assessment

## 16. Other Information

### Other Information

#### Text of risk phrases in Section 3:

R20/22 - Harmful by inhalation and if swallowed.

R22 - Harmful if swallowed.



R36/37/38 - Irritating to eyes, respiratory system and skin.

R41 - Risk of serious damage to eyes.

**Text of Hazard Statements in Section 3:**

Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled

Skin Irrit. 2: H315 - Causes skin irritation.

Eye Irrit. 2: H319 - Causes serious eye irritation.

STOT SE 3: H335 - May cause respiratory irritation.

Acute Tox. 4: H302 - Harmful if swallowed.

Eye Dam 1: H318 - Causes serious eye damage

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The information contained in this SDS is accurate to the best of our knowledge and has been obtained from a variety of sources. No liability can be accepted arising out of the use, application or processing of this product. It is the users' responsibility to determine the safe conditions for the use of this product.

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