

## ANDURA COATINGS

### 1. PRODUCT IDENTIFICATION AND COMPANY DETAILS.

<b>Product name:</b>	<b>Andura Biocide</b>
<b>Intended use:</b>	<b>Surface Biocidal Treatment for brush or low pressure spray application to exterior surfaces</b>
<b>Company address:</b>	<b>Andura Coatings, 20 Murdock Road, Bicester, Oxon. OX26 4PP</b>
<b>Facsimile:</b>	<b>01869 240375</b>
<b>Emergency telephone no.</b>	<b>01869 240374</b>

### 2. HAZARD IDENTIFICATION

#### label elements



GHS07




<b>Signal word:</b>	warning
<b>Hazard statements:</b>	H315 Causes skin irritation H319 Causes serious eye irritation

#### **Precautionary statements:**

P264 Wash hands thoroughly after handling  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P332 + P313 If skin irritation occurs: Get medical advice/attention  
P362 Take off contaminated clothing and wash before reuse.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances which present a health or environmental hazard within the meaning of the CLP Regulations or which are assigned occupational exposure values.

Name	Conc.Range %	Symbol	Hazard statements	EINECS No
BENZALKONIUM CHLORIDE	2%		met corr 1, H290; skin corr 1B, H314; Acute tox 4, H302; Acute tox 4, H312	264-151-6
BIPHENYL-2-OL	0.5%		Aquatic acute 1, H400; Skin irrit 2, H315; eye irrit 2, H319; STOT SE3, H335	201-993-5
PROPAN-2-OL	1%		Flam liq 2, H225; eye irrit 2, H319; STOT SE3, H336	200-661-7

\*see section16 for full text

### 4. FIRST AID MEASURES

#### General:

In case of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

#### Inhalation:

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice

#### Eye Contact:

Remove contact lenses. Irrigate copiously with clean, fresh water for at least ten minutes, holding the eyes apart, and seek medical advice.

#### Skin Contact:

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleanser. Do NOT use solvent or thinners.

#### Ingestion:

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

## 5 FIRE-FIGHTING MEASURES

**Extinguishing media:** Recommended: alcohol resistant foam, CO<sub>2</sub>, powder, water spray/mist.  
Not to be used: water jet.

**Recommendations:** Fire will produce hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow water run-off from fire fighting to enter drains or water courses.

## 6 ACCIDENTAL RELEASE MEASURES

Avoid breathing vapours. Refer to protective measures listed in section 7 and 8. Contain the spillage with non-combustible absorbent materials eg. Sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the waste regulations (see section 13). Do not allow to enter drains or watercourses. Clean, preferably with detergent: avoid use of solvents. If the product enters drains or sewers, immediately contact the local water company; in case of contamination of streams, rivers or lakes, the relevant environment agency.

## 7 HANDLING AND STORAGE

### Handling

Keep the container tightly closed. Exclude sources of heat, sparks and open flame.

Avoid skin and eye contact. Avoid the inhalation of vapour and mist. Smoking, eating and drinking should be prohibited in areas of storage and use.

For Occupational Exposure Control measures, see section 8.

Never use pressure to empty: the container is not a pressure vessel. Always use containers the same as the supply container.

(The Manual Handling Operations Regulations may apply to the handling of containers of this product)

### Storage

Observe label precautions. Store between 5deg and 25deg C in a dry, well ventilated place away from sources of heat, ignition or direct sunlight.

Prevent unauthorised access. Containers which are opened should be properly resealed and kept upright to prevent leakage.

Store separately from oxidising agents and strongly alkaline or acidic materials.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure controls

Provide adequate ventilation. Where reasonably practical, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates below the relevant occupational Exposure Limit Values, suitable respiratory protection must be worn.

**Exposure Limit Values**

Components with critical values that required monitoring in the workplace:

Substance	TWA <sup>(1)</sup>		STEL <sup>(2)</sup>		Notations
	ppm	mg.m <sup>-3</sup> (4)	ppm	mg.m <sup>-3</sup> (4)	

(1) Long term exposure limit – 8 hour time weighted average.

(2) Short term exposure limit – 15 minute reference period.

(4) OES indicates an Occupational Exposure Standard. MEL indicates a respiratory sensitiser.

**Occupational Exposure Controls**

**All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be select to meet the requirements of the COSHH Regulations.**

**Respiratory Protection.**

If the exposure to hazardous substances cannot be controlled by the provision of local exhaust ventilation or good general extraction, suitable respiratory equipment should be worn.

**Hand Protection.**

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement, must be followed.

Barrier creams may help to protect exposed skin, but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

**Eye Protection.**

Eye protection designed to protect against liquid splashes should be worn.

**Skin Protection.**

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleanser.

Regular skin inspection of users of this product is recommended.

Always wash your hands before eating, drinking, smoking or using the toilet.

**Environmental exposure control.**

See section 12 for detailed information.

**9 PHYSICAL AND CHEMICAL PROPERTIES.**

Physical state:	Liquid
Flash Point:	n/a
Specific Gravity:	0.95 – 1.05
Vapour density:	n/a
Lower explosion limit:	n/a
Solubility in water:	Miscible

**10 STABILITY AND REACTIVITY**

Stable under normal storage and handling conditions (see section 7). In a fire, hazardous decomposition products such as smoke, carbon monoxide, and oxides of nitrogen may be produced. Keep away from oxidising agent and strongly alkaline or acidic materials to prevent the possibility of exothermic reactions.

**11 TOXICOLOGICAL INFORMATION.**

There is no data available on the product itself.

Repeated or prolonged contact with the product may cause removal of natural fats from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

Splashes in the eyes may cause irritation and reversible local damage.

**12 ECOLOGICAL INFORMATION.**

There is no information on the product itself.

The product has been assessed following the conventional method in CHIP and is not classified as dangerous for the environment.

Substances classified as DfE	Mobility	Persistence	Other adverse effects
Benzalkonium chloride		Bio-degradable	EC50/48hr <1mg/l daphnia LC50/96hr 1-10mg/l fish
Bisphenyl-2-ol		Bio-degradable	EC50/48hr 0.38mg/l daphnia EC50 62.2mg/l activated sludge organisms

The product should not be allowed to enter drains or water courses or to be deposited where it can affect ground or surface waters.

**13 DISPOSAL CONSIDERATIONS**

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including empty containers, are controlled wastes and should be disposed of in accordance with regulations made under The Control of Pollution Act and The Environmental Protection Act.

**14 TRANSPORT INFORMATION**

This 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**

**EU Regulation (EC) No. 1907/2006 (REACH)**

**Annex XIV - List of substances subject to authorisation**

**None of the components is listed**

**15.2**

**Chemical Safety Assessment:** No Chemical Safety Assessment has been carried out.

**Substances of very high concern:** None of the components are listed

**16 OTHER INFORMATION**

Text of the H phrases listed in Section 2

R Phrase No.	Text
H290	May be corrosive to metals
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H225	Highly flammable liquid and vapour
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life.

The information contained in this safety data sheet is based on the present state of knowledge and on current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Further information and advice can be found in:

The Control of Substances Hazardous to Health Regulations 2002 [SI 2002/2677], The Stationery Office

COSHH Essentials: easy steps to control chemicals [HSG 193], HSE Books. Details of Control Guidance Sheets, which may be relevant to the particular conditions of use, can also be found in this publication.

The Manual Handling Operations Regulations 1992 [SI 1992:2793], The Stationery Office  
Storage of Packaged Dangerous Substances [HSG71], HSE Books

The Environmental Protection (Duty of Care) Regulations 1992 [SI 1992:2839], The Stationery Office

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparation Directive 1999/45/EC. Regulation (EC) No. 1907/2006 of the European Parliament and the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of chemicals (REACH) establishing a European Chemical Agency, amending directives 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 Directive 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC including amendments. Classification, labelling of packaging of mixtures 1272/2008EC.