

Andura Biocide

1. Product Identification And Company Details.

Product name: Andura Biocide

Intended use: Surface Biocidal Treatment for brush or low pressure spray application to exterior surfaces

Company address: Andura Coatings. 20, Murdock Road, Bicester, Oxon.

OX26 4PP

Facsimile: 01869 240375

Emergency telephone no. 01869 240374 (not 24 hours)

2. Hazard Identification

label elements



GHS07

Signal word: warning

Hazard statements: 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	EC No
BENZALKONIUM CHLORIDE	2%		Skin corr 1B, H314; Eye Dam 1, H318; Aquatic acute 1, H400 (M=10); Aquatic Chronic 1 H410 (M=1) Acute tox 4, H302	270-325-2
BIPHENYL-2-OL	0.5%		Aquatic acute 1, H400 (M=1); Aquatic Chronic 1 H410 (M=1); Skin irrit 2, H315; eye 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

5. 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: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: None known.

Recommendations: Fire will produce dense black smoke containing 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

Exclude sources of ignition and ventilate the area. Exclude not essential personnel. 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 water-courses. 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. Non sparking tools should be used.

Avoid skin and eye contact. Avoid the inhalation of vapour and mist.

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.

No smoking. 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 solvent vapour and/or particulates below the relevant occupational Exposure Limit Values, suitable respiratory protection must be worn.

Exposure Limit Values

Components with critical values that require monitoring in the workplace.

Substrate		TWA(1)		STEL(2)	Notations
	ppm	mg.m-3(4)	ppm	mg.m-3(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

12.1 Toxicity

Conclusion/summary: Not available

12.2 Persistence and degradability

Conclusion/summary: Not available

12.3 Bioaccumulative effect

Not available

12.4 Mobility in soil

Soil/water partition coefficient: Not available

Mobility: Not available

12.5 Results of PBT and vPvB assessment

PBT: Not available

vPvB: Not available

12.6 Other adverse effects

No known adverse effects or critical hazards

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. When this coating, in its liquid state, as supplied or skinned, becomes a waste, it is categorised as hazardous waste, with code 08 01 11 (list of hazardous wastes)

Used containers, drained and/or rigorously scraped out and containing dried residues of the supplied coating, are categorised as non-hazardous waste, with code 15 01 04 (list of wastes)

If mixed with other wastes the above waste codes may not be applicable

14. Transport Information

Transport within the user's premises: Always transport in closed containers that are upright and secure. Ensure persons transporting the product know what to do in the event of an accident or spillage.

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

VOC for Ready-for-Use Mixture: IIA/h. Binding primers. EU limit values: 750g/l (2010.) This product contains a maximum of 600 g/l VOC.

16. Other Information

Text of the H phrases listed in Section 2

H Phrase No. Text

H225 Highly flammable liquid and vapour

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation

H318 Causes serious eye damage

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H336 May cause drowsiness or dizziness

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects

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 [SI2002:2677], 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
Chemical Warehousing: Storage of Flammable Liquids in Containers [HSG51], HSE Books

Storage of Packaged Dangerous Substances [HSG71], HSE Books

The Environmental Protection (Duty of Care) Regulations 1992 [SI 1992:2839], The Stationery Office
A Guide to Working with Solvents [INDG 272], HSE Books

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.