

SAFETY DATA SHEET SDS No. 046/01/05

According to 91/155 EEC

COMPANY/UNDERTAKING: Heyen UK Limited
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PRODUCT NAME: HEYEN UK SCRUB OUT MOULD GROWTH HSE No 7550

DESCRIPTION: READY TO USE SURFACE BIOCIDES FOR THE CONTROL OF MOSSES, MOLD AND FUNGI ON INTERIOR SURFACES SUCH AS WINDOW FRAMES AND TILES.

Substances in the preparation that require classification under The Chemicals (Hazard Information and Packaging for Supply) Regulations 2003 (CHIPS 3) or for which workplace exposure limits have been set.

CONTAINS: R-SYMBOL R-PHRASE CAS No % IN PREPARATION

Quaternary Ammonium Compounds C, N 21/22-34-50 63449-41-2 2.0% (benzyl-C8-18-alkyldimethyl, chlorides)

Classification of the substance or preparation in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2003 (CHIPS 3) and The Control of Pesticides Regulations (as amended) 1997.

IRRITATING TO EYES AND SKIN

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SECTION 1 IDENTITY OF SUBSTANCE OR PREPARATION & COMPANY

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SECTION 2 COMPOSITION/INFORMATION ON COMPONENTS

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SECTION 3 HAZARD IDENTIFICATION

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SECTION 4 FIRST AID MEASURES

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SWALLOWING

EYES INHALATION

SKIN

Do not induce vomiting. Rinse mouth with water and administer water to drink. Seek medical attention immediately. Never administer liquids by mouth to an unconscious person. If patient vomits, turn on to side to prevent material entering lungs.

Rinse immediately with copious amounts of clean water or eyewash for at least 15 minutes and Seek medical attention immediately.

Under normal conditions of use, this product does not constitute an inhalation hazard. If inhalation is considered a route of exposure, remove patient to fresh air, keep warm and rested and seek medical attention immediately.

Remove contaminated clothing and wash affected areas with soap and water or clean water if soap is not available. If irritation occurs, treat with Polyethylene glycol 400 and seek medical attention immediately. Launder contaminated clothing before re-use.

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SECTION 5 FIRE FIGHTING MEASURES EAC - N/A

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EXTINGUISHING MEDIA: Product is essentially non-combustible. Use extinguishing media suitable for surrounding fire

PPE FIRE: Self-contained breathing apparatus, chemical resistant gloves (Neoprene/PVC or Nitrile) and chemical resistant boots.

PRODUCTS OF COMBUSTION: Prolonged exposure to high temperatures may cause the water portion to evaporate and liberate oxides of Nitrogen, Hydrogen Chloride and carbon

monoxide.

PPE SPILLAGE: Chemical resistant gloves, boots and eye/face protection

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None

OTHER INFORMATION (FIRE)

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Without taking personal risk and wearing suitable personal protective equipment, shut-off or remove the source of the leak or invert leaking containers with the damage uppermost. Adsorb spillage with sand, dry earth, vermiculite or similar and place into a suitable re-sealable container (HDPE or plastic). Mark or label the contents and place into a suitable safe area to await disposal.

Do not allow product, waste or run-off to enter drains, waterways or ditches. If contamination occurs inform the Police, Fire Brigade or Environment Agency immediately.

Wear suitable gloves (Neoprene/PVC, Nitrile or plastic), coveralls and eye/face protection. Store in original container, tightly closed, upright and out of reach of children. Store apart from food, drink and animal feedstuffs. Do not contaminate food contact surfaces or eating utensils. **NEVER STORE THIS PRODUCT OR ANY OTHER CHEMICAL IN A FOOD OR DRINK CONTAINER, EVEN IF CORRECTLY LABELLED.**

DO NOT MIX WITH ACIDIC CLEANERS.

Wear suitable gloves (Neoprene/PVC or Nitrile), coveralls and eye/face protection. Keep the applicator head downwards to avoid product running

down gloves and onto exposed skin. When using do not eat, drink or smoke and wash hands and exposed skin before meals and after work. Avoid excessive contamination of coveralls and launder after use.

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SECTION 6 ACCIDENTAL RELEASE / SPILLAGE CONTROL MEASURES

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SECTION 7 HANDLING AND STORAGE

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SECTION 8 EXPOSURE CONTROLS/PPE

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Keep unprotected persons and animals away from treated surfaces until dry.

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SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

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APPEARANCE:

ODOUR:

pH:

BOILING POINT:

MELTING POINT:

EXPLOSIVE PROPERTIES: None known

VAPOUR PRESSURE: Not known

SOLUBILITY IN WATER: Soluble
SOLUBILITY IN SOLVENT (SPECIFY SOLVENT): Insoluble PARTITION
COEFFICIENT (n-Octanol/Water): Not known

None

Stable and non-reactive under normal conditions of use and storage.

Clear liquid
Slightly ammoniacal

Approximately 8 100°C
Not applicable

FLASHPOINT: AUTO IGNITION:

Not applicable Not applicable

OXIDISING PROPERTIES: None known

DENSITY:

Approximately 1.0g/ml

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OTHER INFORMATION

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SECTION 10 STABILITY AND REACTIVITY

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Strong oxidizing agents and anionic compounds.

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SECTION 11 TOXICOLOGICAL INFORMATION

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SECTION 12 ECOLOGICAL INFORMATION

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EC50/48hrs (Daphnia) – 0.016mg/litre
IC50/72hrs (Selenastrum capricornutum) – 0.020mg/litre LC50/96hrs
(Oncorhynchus mykiss) – 0.850mg/litre

EC10: - 4mg/litre Activated sludge organisms log Pow – 0.5-1.58:

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INCOMPATIBLE SUBSTANCES

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LD₅₀ values for the active component (Quaternary Ammonium Compounds,
Benzyl-C8-18-Alkyldimethyl ammonium, chlorides – 2.0% in the preparation)
LD₅₀ (Dermal – Rat) 600mg/kg - Thor
LD₅₀ (Oral – Rat) 1560mg/kg - Thor

EFFECTS OF ACUTE (OVER) EXPOSURE

SKIN: Reddening at the site of contact with possible irritation

EYES: Severe irritation, watering and stinging sensation, blurred vision.

INHALATION: Possible irritation of the mucous membranes and nasal passages. Possible cough

INGESTION: Possible irritation of the gastro-intestinal tract, nausea and vomiting. Aspiration of vomit into lungs is possible. Treat with activated carbon

The active component (Quaternary Ammonium Compounds) is readily biodegradable (OECD 301D shows 60% degradation after 28 days).

All information relates to the active component.

Aquatic Toxicity

Avoid release to the environment. Do not contaminate ponds, waterways or ditches with chemical, waste or used containers. Do not empty into drains.

Dispose of in accordance with The Environmental Protection Act 1990, at a waste treatment site approved and licensed by the local authority and operated by an approved, competent and licensed waste disposal contractor.

Empty, de-contaminated containers may be sent for re-cycling.

Duty of Care waste transfer form should specify: Pesticide product – surface biocide HSE No 7550

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SECTION 13 WASTE DISPOSAL

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SECTION 14 TRANSPORT PRECAUTIONS

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PACKAGING GROUP: HAZARD CLASS:

UN No:

TREM CARD No: OTHER INFORMATION:

N/a N/a

N/a N/a

In mixed loads stow apart from food, drink and animal feedstuffs

Behaviour in sewerage treatment plant

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This product has been assessed and classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2003

(CHIPS 3) and The Control of Pesticides Regulations (as amended) 1997 and ascribed the following risk and safety phrases:

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SECTION 15 REGULATORY INFORMATION

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R-Phrase(s):

S-Phrase(s):

R36/37 – Irritating to eyes and skin

FOR USE ONLY AS A SURFACE BIOCIDES

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SYNTHETIC RUBBER/PVC GLOVES when using. DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES. COVER WATER STORAGE TANKS before application. THIS MATERIAL AND ITS CONTAINER must be disposed of in a safe way. Keep away from treated surfaces until dry. For indoor use only.

DANGEROUS TO FISH AND OTHER AQUATIC LIFE. REMOVE OR COVER FISH TANKS AND BOWLS before application. WHEN USING DO NOT EAT, DRINK OR SMOKE. AVOID ALL CONTACT WITH PLANTLIFE.

SURFACE BIOCIDES FOR AMATEUR AND PROFESSIONAL USE AGAINST FUNGI, MOSSES, MILDEW AND ALGAE ON INTERNAL SURFACES SUCH AS GLASS, MASONRY, TILES PAINTED SURFACES AND WOOD.

APPLY 1.0litre OF PRODUCT BRUSH PER 10-12m² OF SURFACE. RE-TREAT EVERY 12 MONTHS DEPENDING ON CONDENSATION AND SURFACE POROSITY.

READ ALL PRECAUTIONS BEFORE USE

THIS PRODUCT IS APPROVED UNDER THE CONTROL OF PESTICIDES REGULATIONS 1986 FOR USE AS DIRECTED HSE No 7550

CONTAINS 2.00%w/w BENZALKONIUM CHLORIDE (20.0g/l)

The Control of Substances Hazardous to Health Regulations 2002 will apply to this product if used at work

Key to risk phrases used in section 2.

R21/22 – Harmful in contact with skin and if swallowed R34 - Causes Burns

R50 - Very toxic to aquatic organisms

This product is approved for amateur use as a surface biocide for use as directed on the label. A COPY OF THE LABEL MUST ACCOMPANY THIS SDS

Further reading:

L9 – The Safe Use of Pesticides for Non-Agricultural Purposes

L25 – Personal Protective Equipment at Work

EH/40 – Occupational Exposure Limits (revised annually)

The Health & Safety at Work Act 1974

HSG206 – Cost Effectiveness of Chemical Protective Gloves for the Workplace

HSG71 – The Storage of Packed Dangerous Substances

HSG53 – The Selection, Use and Maintenance of Respiratory Protective Equipment

The Environmental Protection Act 1990

The Collection and Disposal of Waste Regulations

Information on these and other relevant publications may be found by contacting the following:

E-mail: hsebooks@prologue.uk.com or www.hsebooks.co.uk

Or write to: HSE Books, P.O. Box 1999, Sudbury, Suffolk CO10 2WA (Tel: 01787-881165) and obtain a free copy of the HSE Books catalogue.

The Health and safety Executive can also keep you regularly updated with new legislation and HSE news by going to: www.hse.gov.uk and following the links to the e-Bulletins.

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SECTION 16 OTHER INFORMATION

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THE FOLLOWING SECTIONS SHOW CHANGED OR AMENDED INFORMATION:

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INFORMATION ON THIS PRODUCT IS HELD ON THE NPIS TOXBASE DATABASE

COMPILED BY: P Parton **DATE:** AMENDED JUNE 2013

NOTICE TO CUSTOMER:

ENSURE ALL POTENTIAL USERS OF THIS PRODUCT ARE AWARE OF THIS SDS PRIOR TO PRODUCT'S USE. KEEP SDS IN A SAFE PLACE READILY LOCATABLE IN CASE OF FUTURE USE.

READ THIS SDS IN CONJUNCTION WITH ANY LABEL AND DIRECTIONS FOR

USE ON THE PRODUCT CONTAINER. DESTROY ALL OBSOLETE COPIES RELATING TO THIS PRODUCT.

THIS SDS RELATES ONLY TO THE PRODUCT SPECIFIED. COPIES OF THIS DOCUMENT ARE AVAILABLE ON REQUEST.

THIS SAFETY DATA SHEET IS BASED ON THE BEST OF CURRENT INFORMATION AND ADVICE AVAILABLE TO US AND IS BELIEVED TO BE TRUE AND ACCURATE. NO LIABILITY CAN BE ACCEPTED FOR ANY LOSS, DAMAGE OR INJURY AS CONDITIONS OF USE ARE OUTSIDE OUR CONTROL. THIS IS NOT A TECHNICAL SPECIFICATION.

THIS IS A NEW ISSUE No 046/01/05