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[Ronseal 3-in-1 Mould Killer](#)

RONSEAL®

SAFETY DATA SHEET RONSEAL 3-IN-1 MOULD KILLER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name RONSEAL 3-IN-1 MOULD KILLER

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

Identified uses Surface biocide

1.3. Details of the supplier of the safety data sheet

Supplier Ronseal Ltd
Thornccliffe Park
Chapelton
Sheffield
S35 2YP
+44 (0) 114 246 7171
enquiry@ronseal.co.uk
sds@ronseal.co.uk

Contact Person

1.4. Emergency telephone number

Tel +44 (0) 114 246 7171 (office hours only)

Fax +44 (0) 114 245 5629

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xi;R36.

2.2. Label elements

Labelling



Irritant

Risk Phrases

R36 Irritating to eyes.

Safety Phrases

S2 Keep out of the reach of children.
S23 Do not breathe vapour/spray.
S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35 This material and its container must be disposed of in a safe way.
S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well-ventilated areas.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

RONSEAL 3-IN-1 MOULD KILLER

Alcohol Ethoxylate		2.5-10%
CAS-No.: 68439-45-2	EC No.:	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xn;R22. Xi;R41.	
Alkyl(C12-16)dimethylbenzylammonium chloride		1-2.5%
CAS-No.: 68424-85-1	EC No.: 270-325-2	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xn;R22. C;R34. N;R50.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition Comments

Contains Benzalkonium Chloride 2.0% w/w (20g/l)

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

Inhalation

Remove to fresh air, keep the patient warm and at rest. If breathing has stopped administer artificial respiration.

Ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water, or use a recognised skin cleanser. Do NOT use solvents or thinners. Seek medical advice if any irritation persists.

Eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

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

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

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

recommended: alcohol resistant foam, carbon dioxide (CO₂), powders, water spray/ mist.

Unsuitable extinguishing media

not to be used for safety reasons: water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or watercourses.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions

Do not allow to enter drains, sewers or watercourses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth or vermiculite, and place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Clean preferably with a detergent; avoid the use of solvents.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits. Avoid skin and eye contact.

For personal protection, refer to Section 8. Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Isolate from sources of heat, sparkes and open flame. Non-sparking tools should be used. Avoid inhalation of dust from sanding. Never use pressure to empty: container is not a pressure vessel. Smoking, eating and drinking should be prohibited in application area. Always keep in containers of same material as original one. Comply with health and safety at work laws. Do not allow to enter drains or water courses. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Avoid the inhalation of dusts, particulates and spray mists arising from the use of this zinc tetroxochromate containing product. Keep in a ssafe place. Do not contaminate foodstuffs, eating utensils or food contact surfaces. Wash hands and exposed skin before meals and after use. Keep away from treated surfaces until dry.

7.2. Conditions for safe storage, including any incompatibilities

The principles contained in the HSE guidance note Chemical Warehousing: The Storage of Packed Dangerous Substances, should be observed when storing this product. Store separately from oxidising agents and strongly alkaline and strongly acidic materials. Observe the label precautions. Store between 5°C and 25°C in a dry, well ventilated place away from sources of heat and direct sunlight. Keep container tightly closed. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ingredient Comments

According to EH40 - List of approved workplace exposure limits.

8.2. Exposure controls

Engineering measures

Provide adequate ventilation. Where reasonably practicable, 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 and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn.

Respiratory equipment

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. For prolonged or repeated handling, use nitrile gloves. The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection

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

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Other 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 cleaner. Do not use solvents or thinners as skin cleaning agents. All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH Regulations.

Environmental Exposure Controls

Do not allow to enter drains or water courses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Slightly hazy. Low viscosity liquid.
Colour	Colourless.
Odour	Low, inoffensive.
Solubility	Miscible with water
Initial boiling point and boiling range	
Not relevant	
Melting point (°C)	
Not relevant	
Relative density	1.022
Bulk Density	1.022 kg/l
Vapour density (air=1)	
Not relevant	
Vapour pressure	
Not relevant	
Evaporation rate	
Not relevant	
pH-Value, Conc. Solution	7
Viscosity	
Not relevant	
Decomposition temperature (°C)	
Not relevant	
Odour Threshold, Lower	
Not relevant	
Flash point	> 60 CC (Closed cup).
Auto Ignition Temperature (°C)	
Not relevant	
Flammability Limit - Lower(%)	
Not relevant	
Flammability Limit - Upper(%)	
Not relevant	
Partition Coefficient (N-Octanol/Water)	
Not relevant	
Oxidising properties	
Not relevant	

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable if stored under recommended storage and handling conditions (see section 7).

10.3. Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acidic materials to avoid exothermic reactions.

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10.4. Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.

10.5. Incompatible materials

10.6. Hazardous decomposition products

such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen etc..

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

There is no data available on the mixture itself.

The mixture has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly.

Exposure to organic solvent vapours in excess of the stated occupational exposure limit may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the kidney, liver and central nervous systems. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.

Repeated or prolonged contact with the product may lead to 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.

Solvents may cause some of the above effects by absorption through the skin.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

This mixture has been approved under the Control of Pesticides Regulations and is classified for toxicological hazards accordingly.

Ingestion

This product contains an in-can biocide, may be harmful if swallowed.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

There is no data on the product itself. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters. The mixture has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment. This mixture is approved under the Control of Pesticides Regulations. This approval takes into account, where known, any effects on the environment resulting from the use of the product. Refer to sections 2 and 15 for details of any environmental classification.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Partition coefficient

Not relevant

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

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13.1. Waste treatment methods

Do not allow into drains or watercourses, or dispose of where ground or surface waters may be affected. Wastes and emptied containers are controlled wastes and should be disposed of in accordance with The Environmental Protection (Duty of Care) Regulations (in England, Scotland & Wales) or The Controlled Waste (Duty of Care) Regulations in Northern Ireland.

Waste Class

When this coating, in its liquid state, as supplied, becomes a waste, it is categorised as non-hazardous waste, with code 08 01 12 (List of Wastes). If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information contact your local waste authority. Part-used containers, not drained and/or rigorously scraped out and containing dried residues of the supplied coating, are categorised as non-hazardous waste, with code 08 01 12 (List of Wastes). Used containers, drained and/or rigorously scraped out and containing dried residues of the supplied coating, are categorised as waste, with code 15 01 04 (List of Wastes).

SECTION 14: TRANSPORT INFORMATION

General

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in an accident or spillage. The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

UN No. (ADR/RID/ADN) N/C

UN No. (IMDG) N/C

14.2. UN proper shipping name

14.3. Transport hazard class(es)

ADR/RID/ADN Class Not dangerous according to ADR.

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

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

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

The Manual Handling Operations Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning 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, including amendments.

Water hazard classification

There is no data available on the product itself. The product should not be allowed to enter drains or watercourses, or be deposited where it can affect ground or surface waters.

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15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

General information

The information contained in this safety data sheet is based on the present state of knowledge and 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.

The product should not be used for purposes other than those shown in section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

THE CONTROL OF PESTICIDES REGULATIONS 1986

To avoid risks to man and the environment, comply with the instructions for use.

Users must comply in full with all their legal responsibilities under the Control of Pesticides Regulations 1986 (as amended), including complying with all Conditions of Approval.

Read all precautions before use.

Information shown on product label, as required by Article 11 (3) and Annex VII A of the EC Detergents Regulations No. 648/2004/EU.

Contains less than 5% cationic surfactants.

Contains 5 % or over but less than 15 % non-ionic surfactants

Contains 1, 2-Benzoisothiazol-3(2H)-one

Contains 2, 2', 2''-(Hexahydro-1, 3, 5-triazine-1, 3, 5-triyl)triethanol

For specific guidance contact Ronseal Technical Services. [Helpline +44 (0) 114 240 9469] ; Email: enquiry@ronseal.co.uk

SDS No. 11389/0

Safety Data Sheet Status Approved.

Date 18-09-2012

Risk Phrases In Full

R34	Causes burns.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

Hazard Statements In Full

H319	Causes serious eye irritation.
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Disclaimer

Information contained in this Safety Data Sheet is based on data considered to be accurate at the time of its preparation. Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case. ,

The supplier accepts no responsibility whatsoever (except otherwise provided in law) for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices or from hazards inherent in the product.