

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name: PermaPROTECT Mould Eradication Paint Additive
Product code:

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

Use of substance / preparation:
FUNGICIDAL ADDITIVE FOR PAINTS AND SURFACE COATINGS FOR COMMERCIAL, INDUSTRIAL AND DOMESTIC USE IN WATER AND SOLVENT-BORNE COATINGS.
BIOCIDAL PAINT PRODUCT HSE No 8627

1.3. Details of the supplier of the safety data sheet

Company name: Permagard Products Limited
Unit B2 – B5 Worthy Road
Chittening Industrial Estate
Avonmouth
Bristol
BS11 0YB

Tel: 0117 982 3282

Email: Sales@permagard.co.uk

1.4. Emergency telephone number

Emergency Telephone Number: 0117 982 3282
9am – 5pm
Monday – Friday

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements**Labelling (GHS):**

Signal Word: WARNING

Special identification instructions:

H302 – Harmful if swallowed
H332 – Harmful if inhaled
H315 - Causes skin irritation
H317 – May cause an allergic skin reaction
H318 - Causes serious eye damage
H400 – Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

2.3. Other hazards

P101 – If medical advice is needed, have product label or container to hand
P102 – Keep out of reach of children
P233 + P234 – Keep in original container tightly closed
P260 – Do not breathe spray
P280 – Wear protective gloves
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water
P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P363 – Wash contaminated clothing before re use

P273 – Avoid release to the environment

P501 – Dispose of contents/container in accordance with local, regional or national regulations

Supplementary Statements according to Control of Pesticides Regulations (COPR) 1986

This product contains substances, which are known to be hazardous to the environment. Do not contaminate ground, waterbodies or watercourses with chemicals or used container. DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES. ENSURE THERE IS A PHYSICAL BARRIER TO PREVENT CONTACT BY UNPROTECTED PERSONS AND ANIMALS UNTIL TREATED SURFACE ARE DRY. COVER WATER STORAGE TANKS before application. DO NOT USE NEAR DRAINS, PREVENT SURFACE RUN-OFF FROM ENTERING DRAINS. REMOVE OR COVER FISH TANKS AND BOWLS before application. AVOID ALL CONTACT WITH PLANTLIFE.

Wash with soap and water thoroughly after handling. Wear protective gloves, protective clothing and eye/face protection.

If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before re-use.

Avoid release to the environment. Collect spillage. Dispose of contents in accordance with local, regional or national regulations.

This product is approved under The Control of Pesticides Regulations 1986 (as amended) for use as directed.

WASH HANDS AND EXPOSED SKIN before meals and after use. KEEP IN A SAFE PLACE. Keep out of reach of children. VENTILATE TREATED AREAS THOROUGHLY after application.

3-iodo-2-propynyl-n-butyl carbamate is a carbamate compound, which has weak anticholinesterase activity. DO NOT USE if under medical advice not to work with anticholinesterase compounds.

Use only in accordance with the directions on the label

HSE No 8627

Contains: 3-iodo-2-propynyl-n-butyl carbamate 14.85%

SECTION 3: Composition/information on ingredients

3.1. Mixtures

Not applicable

3.2. Mixtures

Product/ingredient	Identifier	% in preparation	R-Phrase (CLP)
3-iodo-2-propynyl butylcarbamate	CAS No 55406-53-6	25%(w/w) 14.85% a.i.	H302-Harmful if swallowed H332-Harmful if inhaled H318-Causes serious eye damage H317-may cause an allergic skin reaction H335-May cause respiratory irritation H400-Very toxic to aquatic life H410-Very toxic to aquatic life with long lasting effects

3.2.1 Chemical Characterization (Preparation)

Biocidal Paint Product

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

After inhalation:

Unlikely to be a route of exposure unless the product is heated or sprayed as a concentrate.

Provide fresh air. Keep warm and rested. Get medical attention immediately. If not breathing or if breathing is irregular, provide artificial respiration or oxygen by trained personnel.

After contact with the skin:

Remove contaminated clothing and shoes. Wash with plenty of water or water and soap. If irritation occurs, seek medical advice (show label or SDS where possible). Wash contaminated clothing before re-use

After contact with the eyes:

Get medical attention immediately. Rinse immediately with plenty of water, lifting upper and lower eyelids. Check for and remove contact lenses. Seek medical advice in case of continuous irritation. Continue rinsing for at least 15 minutes

After swallowing:

Call poison centre or physician. Do not induce vomiting. Rinse mouth with clean water and seek medical attention. If exposed person is conscious, give small amounts of water to drink. If vomiting occurs, keep the head low to prevent aspiration into the lungs. Never give anything by mouth to an unconscious person.

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

May cause serious eye damage. May cause burns to mouth and throat and stomach pains if swallowed.

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

In case of inhalation of decomposition product from a fire, effects may be delayed for 48 hours.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Use extinguishing media suitable for surrounding fire.

Extinguishing media which must not be used for safety reasons:

Waterjet.

5.2. Special hazards arising from the substance or mixture

Heating of unbroken/unopened containers may lead to pressure rise with subsequent risk of bursting. Product and fire water are toxic to aquatic life with long-lasting effects. Prevent fire water entering drains, waterbodies or ditches.

Decomposition products may include:

Oxides of carbon and nitrogen

Halogenated compounds

5.3. Advice for fire-fighters

Special protective equipment for fire fighting:

Wear suitable protective equipment and self-contained breathing apparatus (SCBA). Clothing for fire fighters conforming the EN469 will provide a good basic level of protection for chemical incidents

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wearing personal protection equipment (see section 8), but without taking risks, shut-off the source of the leak or invert containers with the leak uppermost. Keep unprotected persons away. Avoid contact with eyes and skin. Avoid inhaling spray mists. If material is released indicate risk of slipping.

6.2. Environmental precautions

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g.vermiculite, earth, dry sand or diatomaceous earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers.

6.3. Methods and material for containment and cleaning up

Do not flush away with water. For small amounts: Absorb with a liquid binding material such as diatomaceous earth, vermiculite or dry sand. Place into a suitable, labelled container and store in a safe place. Dispose of according to local regulations. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Adsorb with suitable medium as before and place into suitable, labelled container to await disposal.

6.4. Reference to other sections

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

General information:

Wear suitable gloves and eye/face protection when opening and handling container, or when adding to paint product. Take care when stirring after addition to paint. Do not open and mix on surfaces where food is or will be prepared, stored or eaten. Keep out of reach of children at all times.

Precautions for safe handling:

Wear suitable gloves and eye/face protection. When using do not eat, drink or smoke.

Precautions against fire and explosion:

Keep apart from fire and exposed flames.

7.2. Conditions for safe storage, including any incompatibilities

Conditions for storage rooms and vessels:

Store in cool, dry conditions away from direct sunlight

Advice for storage of incompatible materials:

Store apart from acids, bases and strong oxidizing agents

Further information for storage:

NONE

Minimum temperature allowed during storage and transportation: 0 °C

Maximum temperature allowed during storage and transportation: 40 °C

7.3. Specific end use(s)

Biocidal paint additive to control mould fungi on painted surfaces such as masonry and tiles.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Maximum airborne concentrations at the workplace:

No data available for the product itself

8.2. Exposure controls

For handling and opening additive container and mixing into paint medium

8.2.1 Exposure in the work place limited and controlled

General protection and hygiene measures:

Wash hands and exposed skin before drinks and meals, when using the toilet and after use.

Personal protection equipment:**Respiratory protection:**

Not normally required for the product. If spraying paint containing additive use respiratory protection. Combi filter A/P2

Hand protection

Nitrile rubber protective gloves. Protective gloves made of butyl rubber. Gloves suitable for up to 60 minutes use.

Eye protection

Suitably CE marked safety glasses or face protection

8.2.2 Exposure to the environment limited and controlled

Prevent material entering drains, watercourses and soil.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General information:

Physical state / form.....: liquid
 Colour: yellow/amber
 Odour: slight

Important information about the protection of health, safety and the environment:

Property:	Value:	Method:
Melting point / melting range	Not determined	
Boiling point / boiling range	180 °C approx	
Flash point.....	>100°C	
Sustained combustibility.....	Not determined	
Ignition temperature	Not determined	
Lower explosion limit (LEL)	No data available	
Upper explosion limit (UEL).....	No data available	
Vapour pressure.....	Not determined	
Density	1.09 – 1.11g/cm ³	
Water solubility / miscibility.....	completely miscible	
pH-Value	approx. 7-8	
Viscosity (dynamic)	Not Determined	

9.2. Other information

None

SECTION 10: Stability and reactivity

10.1. 10.2 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions

If stored and handled in accordance with standard industrial practices no hazardous reactions are known. Relevant information can possibly be found in other parts of this section.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

May react with: acids and alkalis.

10.6. Hazardous decomposition products

None Known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

THIS INFORMATION RELATES TO THE ACTIVE INGREDIENT ONLY - 3-iodo-2-propynyl butylcarbamate

	Test	Species	Dose	Exposure
--	------	---------	------	----------

11.1.1 Acute toxicity

Assessment:

LD50 dermal	Rat	>2000mg/kg	-
LD50 Oral	Rat	4100mg/kg	-
LD50 dermal	Rabbit	>2000mg/kg	-

Acute toxicity estimate (ATE):

Inhalation (dusts & mists) – ATE Value: 5,005mg/l

11.1.2 Skin corrosion/irritation

Assessment:	Target	Species	Result
	Skin	Rabbit	Irritant

11.1.3 Serious eye damage / eye irritation

Assessment:

Eye	Rabbit	Severe Irritant
-----	--------	-----------------

11.1.4 Respiratory or skin sensitization

Assessment: Target Species Result

Buehler test (OECD 406, EU B6)	Skin	Guinea Pig	Not sensitizing
--------------------------------	------	------------	-----------------

11.1.5 Germ cell mutagenicity

Assessment:

Test	Species	Result
In-vitro	bacteria	Negative

11.1.6 Carcinogenicity

Assessment:

For this endpoint no toxicological test data is available for the whole product. Product contains no recognized carcinogenic material

11.1.7 Reproductive toxicity

Assessment:

Species	Dose	Exposure	Development Toxin
Rabbit – Female	50mg/kg oral	13days	Negative
Rabbit – Female	20mg/kg oral	13 days	Negative

11.1.8 Specific target organ toxicity (single exposure)

Assessment:

Category	Route of Exposure	Target Organ(s)
Cat 3	Not Applicable	Respiratory tract irritation

11.1.9 Specific target organ toxicity (repeated exposure)

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.10 Aspiration hazard

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.11 Further toxicological information

NOAEL

Result	Species	Dose	Exposure
Sub Chronic Oral	Rat	35mg/kg	90-days
Chronic Oral	Rat	20mg/kg	2-Years
Sub Chronic Dermal	Rat	200mg/kg	90-Days
Inhalation – Vapour	Rat	1,16mg/m ³	90-days

SECTION 12: Ecological information

12.1 Toxicity

Assessment:

12.2 Persistence and degradability

Assessment:

The product contains no materials known to be persistent in soil.

12.3 Bioaccumulative potential

Assessment:

Bioaccumulation is not expected to occur (LogPow – 2.81)

12.4 Mobility in soil

Assessment:

Separation by sedimentation is probable.

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

None known

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Material

Recommendation:

Dispose of according to regulations by incineration in a special waste incinerator or at a waste site controlled by license in accordance with local, regional or national regulations.

13.1.2 Un-cleaned packaging

Recommendation:

Rinse containers with clean water and add to the paint to be treated. Clean packaging may be disposed of as inert industrial waste

13.1.3 Waste Disposal Legislation Ref No. (EC).

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.

Duty of care waste transfer form should specify: EWC (European Waste Code): 08 01 12

SECTION 14: Transport information

14.1 – 14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group

The following information relates to non EQ loads for drums

Road ADR:

Valuation: UN No 3082 – Packaging Group III – Hazard Class 9 – Tunnel code: (E)

Railway RID:

Valuation: UN No 3082 – Packaging Group III – Hazard Class 9 – Tunnel code: (E)

Transport by sea IMDG-Code:

Valuation: UN No 3082 – Packaging Group III – Hazard Class 9 – EmS F-A S-F

Air transport ICAO-TI/IATA-DGR:

Valuation: UN No 3082 – Packaging Group III – Hazard Class 9

14.5 Environmental hazards

ENVIRONMENTALLY HAZARDOUS SUBSTANCE N.O.S.

14.6 Special precautions for user

For all transport methods environmentally hazardous substance or marine pollutant marks are not require on pack of >5.0lt or >5.0kg

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

Bulk transport in tankers is not intended.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

Relevant regulations:

SI 2002/1689: CHIP Regulations 2002

SI 2002/2677: COSHH Regulations 2002

SI 1999/3242: Management of Health & Safety at Work Regulations 1999

Health & Safety at Work Act 1974

SI 1993/1643: Environmental Protection Act 1993 & Subsidiary Regulations.

Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

15.2 Chemical safety assessment

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.

SECTION 16: Other information

Key to risk phrases used in section 2.

H315 - Causes skin irritation

H318 - Causes serious eye damage

H410 - Very toxic to aquatic life with long lasting effects

Further reading:

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

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

The Environmental Protection Act 1990

The Collection and Disposal of Waste Regulations

L5 – The Control of Substances Hazardous to Health Regulations 2003 Approved Code of Practice

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

E-mail: hsebooks@prologue.uk.com or www.hsebooks.co.ukAlternatively, most Approved Codes of practice are now available to download for free: visit www.hse.gov.uk or www.businesslink.gov.uk and click on

'Workplace Health and safety'

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

THE FOLLOWING SECTIONS SHOW CHANGED OR AMENDED INFORMATION:

Revised from first issue. 2, 3, 11

COMPILED BY: P Parton DATE: JANUARY 2016

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.