MC1 - Anti-Mould Additive

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue : 01/05/2020 Version : 1.1 - 01/03/2025

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name : MC1 - Anti-Mould Additive

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

1.2.1. Relevant identified uses

Recommended Use : Fungicidal additive for paints and surface coatings for commercial, industrial and domestic use in water and solvent-borne coatings. Biocidal Paint Product HSE No 10681-GB.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Paint360 Ltd,
Belfont Trading Estate,
Mucklow Hill,
Halesowen.
B62 8DR
T +44 0121 561 5353

1.4. Emergency telephone number

Emergency number : +44 (0)121 561 5353

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

Signal word (CLP) : Warning

Hazardous ingredients : 3-iodo-2-propynyl-n-butyl carbamate :

Hazard statements (CLP)
H315 – Causes skin irritation
H317 – May cause an allergic skin reaction
H318 – Causes serious eye damage
H410 – Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP) : 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

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
3-IODO-2-PROPYNYL BUTYLCARBAMATE	(CAS No.) 55406-53-6	15.00	Acute Tox. 4: H302; Acute Tox. 4: H332; Eye Dam. 1: H318; Skin Sens. 1: H317; STOT SE 3: H335; Aquatic Acute 1: H400 Aquatic Chronic 1: H410.

Full text of H statements : see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

First-aid measures 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.

First-aid measures after skin contact : 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

First-aid measures after eye contact : 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

First-aid measures after ingestion : 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

Symptoms : 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

Notes to physician : 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 shall 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 firefighters

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

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.

Advice on safe handling	: Wear suitable gloves and eye/face protection.
Hygiene measures	: 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

Storage Conditions	: Store in cool, dry conditions away from direct sunlight. Store apart from acids, bases and strong oxidizing agents

7.3. Specific end use(s)

Specific 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

No data available for the product itself

8.2. Exposure controls

Appropriate engineering controls: For handling and opening additive container and mixing into paint medium.

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

Skin and body protection:
None

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

Hygiene measures	: Wash hands and exposed skin before drinks and meals, when using the toilet and after use.
Environmental Exposure Controls	: Prevent material entering drains, watercourses and soil.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow/Amber
Odour	: Slight
Odour threshold	: No data available
pH	: 7 – 8
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: approx. 180 °C
Flash point	: >100 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable

Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Density	: 1.09 1.11 g/cm^3
Solubility	: Completely miscible in water
Log Pow	: 2.81
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

Volatile organic compounds (VOC) contect : No data available

SECTION 10: Stability and reactivity

10.1 – 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

Acute toxicity (oral)	: LD50 Oral (Rat) 4100mg/kg
Acute toxicity (dermal)	: LD50 dermal (Rat) >2000mg/kg LD50 dermal (Rabbit) 2000mg/kg
Acute toxicity (inhalation)	: Inhalation (dusts & mists) – ATE Value: 5,005mg/l
Skin corrosion/irritation	: Assessment: Target – Skin; Species – Rabbit; Result – Irritant.
Serious eye damage/irritation	: Assessment: Target – Skin; Species – Rabbit; Result – Severe Irritant.
Respiratory or skin sensitisation	: Assessment: Buehler test (OECD 406, EU B6) ; Target – Skin ; Species – Guinea Pig; Result – Not sensitizing.
Germ cell mutagenicity	: Assessment: Test – In-vitro; Species – Bacteria; Result – Negative.
Carcinogenicity	: For this endpoint no toxicological test data is available for the whole product. Product contains no recognized carcinogenic material
Reproductive toxicity	: Assessment: Species – Rabbit (Female); Dose – 50 mg/kg oral; Exposure – 13 days; Development Toxin – Negative. Assessment: Species – Rabbit (Female); Dose – 20 mg/kg oral; Exposure – 13 days; Development Toxin – Negative.
STOT-single exposure	: Assessment: Category – Cat. 3; Route of Exposure – Not Applicable; Target Organ(s) – Respiratory tract irritation.
STOT-repeated exposure	: For this endpoint no toxicological test data is available for the whole product.
Aspiration hazard	: For this endpoint no toxicological test data is available for the whole product.
NOAEL	: Result – Sub Chronic Oral; Species – Rat; Dose – 35 mg/kg; Exposure – 90 days. Result – Chronic Oral; Species – Rat; Dose – 20 mg/kg; Exposure – 2 years. Result – Sub Chronic Dermal; Species – Rat; Dose – 200 mg/kg; Exposure – 90 days. Result – Inhalation (vapour); Species – Rat; Dose 1.16 mg/m^3; Exposure – 90 days.

SECTION 12: Ecological information

12.1. Toxicity

Eco toxicity effects :

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

Bioaccumulation is not expected to occur (LogPow – 2.81)

12.4. Mobility in soil

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

Waste from residues / unused products : 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.

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

EWC Waste Disposal No. : 08 01 12

Other information : 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.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
3082	3082	3082	Not applicable	3082
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
9 Tunnel code: (E)	9 EmS F-A S-F	9	Not applicable	9 Tunnel code: (E)
14.4. Packing group				
III	III	III	Not applicable	III
14.5. Environmental hazards				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE N.O.S.	Not applicable	ENVIRONMENTALLY HAZARDOUS SUBSTANCE N.O.S.
No supplementary information available				

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 Marpol 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

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

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H302 – Harmful if swallowed

H315 – Causes skin irritation

H317 – May cause an allergic skin reaction

H318 - Causes serious eye damage

H332 – Harmful if inhaled

H335 – May cause respiratory irritation

H400 – Very toxic to aquatic life

H410 – Very toxic to aquatic life with long lasting effects

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product