

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

Product Name: Mortone Gold
Product Number(s): G60026 (5L), G60027 (10L)

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

Controls many weeds, including soft rush and thistle

1.3 Details of the supplier of the safety data sheet

Hygeia Chemicals Limited, Carrowmoneash, Oranmore, Co. Galway
Tel: 091-794722 www.hygeia.ie email: services@hygeia.ie

1.4 Emergency telephone number

National Poisons Information Centre (Tel: 01-8379964)

Section 2: Hazards Identification**2.1 Classification according to Regulation (EC) 1272/2008 [EU-GHS/CLP]**

EG_1272/08: Acute tox.4 H302 – Harmful if swallowed
 Eye Dam.1 H318 - Causes serious eye damage

2.2 Label Elements

GHS07



GHS05

Signal Word: Danger

Labelling according to Regulation (EC) No 1272/2008 (CLP):

Hazard pictogram: GHS07: Serious Eye Damage/Eye Irritation

Signal words: Warning

Hazard statements: H319: Causes serious eye irritation

EUH401: To avoid risks to human health and the environment, comply with the instructions for use

Precautionary Statements: P280: Wear protective gloves/protective clothing/eye protection/face protection

P264: Wash hands thoroughly after handling

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P301: If SWALLOWED: Call a POISON CENTER or Doctor/physician if you feel unwell.

P330: Rinse Mouth

P337+P313: If eye irritation persists: Get medical advice/attention

P501: Dispose of contents/container to an approved waste disposal plant

P101: If medical advice is needed, have product container or label at hand
P102: Keep out of reach of children
P103: Read label before use

2.3 Other hazards

This mixture contains no substance considered to be very persistent nor very bioaccumulating.

Section 3: Composition/information on ingredients

Chemical nature : Aqueous solution of the dimethylammonium salt
Contains 750g/l MCPA

Components:

MCPA

CAS-No.: 94-74-6
EINECS-No. / ELINCS No.: 202-360-6
REACH No.:
Concentration: 63.56 % (w/w)

Classification:
EG_1272/08 : AcuteTox.4 H302 - Harmful if swallowed.
SkinIrrit.2 H315 - Causes skin irritation.
EyeDam.1 H318 - Causes serious eye damage.
AquaticAcute1 H400 - Very toxic to aquatic life.
AquaticChronic1 H410 - Very toxic to aquatic life with long lasting effects.
EEC/67/548 : Xn R22 - Harmful if swallowed.
Xi R38 - Irritating to skin.
Xi R41 - Risk of serious damage to eyes.
N R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

chloro-o-cresol

CAS-No.: 1570-64-5
EINECS-No. / ELINCS No.: 216-381-3
REACH No.: 01-2119455846-26
Concentration: 0.5 % (w/w)

Classification:
EG_1272/08 : AcuteTox.3 H331 - Toxic if inhaled.
SkinCorr.1A H314 - Causes severe skin burns and eye damage.
AquaticAcute1 H400 - Very toxic to aquatic life.
EEC/67/548 : T R23 - Toxic by inhalation.
C R35 - Causes severe burns.
N R50 - Very toxic to aquatic organisms.

Section 4: First Aid Measures

4.1 Description of First Aid Measures

Eye Contact: If substance has got into the eyes, immediately wash out with plenty of water for at least 10 minutes. Protect unharmed eye. Take care not to wash the chemical from one eye into the other. Obtain medical attention immediately (show this Safety Data Sheet)

Skin Contact: Remove contaminated clothing immediately. If skin contamination occurs wash immediately with plenty of clean, gently flowing water for at least 10 minutes. Repeat skin decontamination process until all signs of chemicals have gone. Obtain medical attention immediately (show this Safety Data Sheet)

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If ingestion is suspected, obtain

Inhalation: medical attention immediately (show this Safety Data Sheet)
Move to fresh air. If there is breathing difficulty or coughing, keep patient at rest/seated in position of maximum comfort. Obtain medical attention immediately (show this Safety Data Sheet)

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

Skin Contact: There may be irritation and redness at the site of contact

Eye Contact: There may be irritation and redness. The eyes may water profusely

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest

Delayed/Immediate Effects: Immediate effects can be expected after short-term exposure

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

Eye bathing equipment should be available

Section 5: Firefighting Measures

5.1 **Extinguishing media**

Suitable extinguishing media for the surrounding fire should be used. Water, Carbon Dioxide, Dry Chemical Powder, Alcohol resistant foam

5.2 **Special hazards arising from the substance or mixture**

Exposure hazards: In combustion emits toxic fumes (HCl, Cl₂, NO_x, CO) may be formed.

5.3 **Advice for firefighters**

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

Section 6: Accidental Release Measures

6.1 **Personal precautions, protective equipment and emergency procedures**

Refer to Section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid

6.2 **Environmental precautions**

Do not discharge into drains or rivers. Contain the spillage using bunding

6.3 **Methods and material for containment and cleaning up**

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Never return spills in original containers for re-use.

6.4 **Reference to other sections**

Refer to Section 8 of SDS

Section 7: Handling and Storage

7.1 **Precautions for safe handling**

Avoid direct contact with substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Wear personal protective equipment

7.2 **Conditions for safe storage, including any incompatibilities**

Store in a cool, well ventilated area. Keep container tightly closed. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.

7.3 **Specific end use(s)**

No data available

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Components with workplace control parameters
(EH40/2005 Workplace exposure limits)

Components	CAS-No.	National occupational exposure limits	Note
MCPA	94-74-6		no classification available, not listed in EH40/2005
4-chloro-o-cresol	1570-64-5		not listed in EH40/2005, no classification available

DNEL/PNEC Values: No data available

8.2 Exposure Controls / Personal Protection

Engineering Control: Ensure there is sufficient ventilation of the area

Respiratory Protection: Self-contained breathing apparatus must be available in case of emergency

Hand Protection: PVC gloves. Nitrile gloves

Eye Protection: Safety glasses. Ensure eye bath is to hand

Skin Protection: Impermeable protective clothing. Ensure safety shower is to Hand.

Protective Measures: Avoid contact with skin, eyes and clothing. Keep working clothes separately.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Amber liquid

Odour: Slight Phenolic

pH: 6.3

Specific Gravity: 1.14 g/ml (typical) @ 20°C

Boiling Point: >100°C

Melting Point/Range: Aqueous Solution

Decomposition Temp.: No data available

Flash Point: No data available

Auto Ignition Temp.: No data available

Flammability: Not flammable

Explosive Properties: None known

Oxidising Properties: Non-oxidising (by EC criteria)

Vapour Pressure: No data available

Bulk Density: ca 1.18 g/cm³

Solubility (Water): Miscible

Solubility (Fat Solvent): No data available

Partition Coefficient: n-Octanol/Water -0.81 ((pH 7), (MCPA))

Viscosity: No data available

9.2 Other information

No data available

Section 10: Stability and Reactivity

10.1 Reactivity

Stable under recommended transport or storage conditions

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below

10.4 Conditions to avoid

Heat. Flames

10.5 Incompatible materials

Strong oxidising agents. Strong acids. Strong bases

10.6 Hazardous decomposition products

No data available

Section 11: Toxicological Information

11.1 Information on toxicological effects

Toxicity Values:

Route	Species	Test	Value	Units
DUST/MIST	RAT	LC ₅₀	> 2,000	mg/kg
ORAL	RAT	LD ₅₀	1,000	mg/kg

Hazards for Substance:

Hazard	Route	Basis
Skin corrosion/irritation	-	Based on available data the classification criteria are not met
Eye Irritation	-	Risk of serious damage to eyes.
Sensitisation	-	Buehler Test Result: Diud not cause sensitization on laboratory animals.

Symptoms/Routes of Exposure:

Skin Contact: No Skin Irritation

Eye Contact: There may be irritation and redness. The eyes may water profusely

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting

Section 12: Ecological Information

12.1 Ecotoxicity Values:

Toxicity to bees : LD50
Dose (µg/Species): > 200

Toxicity to fish : LC50
Dose: 44 mg/l
Testing period: 96 h

Test substance: (MCPA)

Toxicity to daphnia : EC50
Dose: 190 mg/l
Testing period: 48 h
Test substance: (MCPA)

Toxicity to algae : EC50
Dose: 26.9 mg/l
Exposure time: 120 h
Test substance: (MCPA)

ErC50 Lemna minor
(duckweed)
Dose: 1.52 mg/l
Test substance: (MCPA)

12.2. Persistence and degradability

Biodegradability : Readily biodegradable, according to appropriate OECD
: test.
Test substance: (MCPA)

Stability in soil : DT50: 20 d
(MCPA)

Stability in water : DT50: 13.5 d
(MCPA)

12.3. Potential bioaccumulation

Bioaccumulation : Does not bioaccumulate.

12.4. Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6. Other adverse effects

no data available

Section 13: Disposal Considerations

13.1 Waste treatment methods

Product Disposal: Dispose of according to local and national regulations

Container Disposal: Triple rinse containers with water and dispose of according to local and national regulations

Section 14: Transport Information

Not classified as hazardous for road transport under ADR

14.1 UN number

14.2 UN proper shipping name: Not applicable

14.3 Transport hazard class(es)

ADR/RID :

Not a dangerous substance as defined in the above regulations.

IMDG :

Not a dangerous substance as defined in the above regulations.

IATA-DGR :

Not a dangerous substance as defined in the above regulations

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

None

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

Other Regulations: The product is classified and labelled in accordance with EC directives or respective national laws.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out by the supplier

Section 16: Other Information

Text of Phrases mentioned in Sections 2 and 3:

H-Statements

H302	Harmful if swallowed
H312	Harmful in contact with skin
H319	Causes serious eye irritation
H332	Harmful if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
EUH401	To avoid risks to human health and the environment, comply with the instructions for use

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, release and is not to be considered a warranty of quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text