

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

Product Name: Hymec Triple
 Product Number(s): G4056 (10L)

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

Controls annual and perennial broad leaved weeds in cereals

1.3 Details of the supplier of the safety data sheet

Hygeia Chemicals Limited, Carrowmoneash, Oranmore, Co. Galway
 Tel: 091-794722 Fax: 091-794738 email: services@hygeia.ie

1.4 Emergency telephone number

National Poisons Information Centre (Tel: 01-8379964) (Fax: 01-8368476)

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

Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Sens. 1: H317; Aquatic Chronic 2: H411

2.2 Label Elements

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



Hazard pictogram: GHS05: Corrosive GHS07: Warning GHS09: Environment

Signal words: Danger

Hazard statements: H302: Harmful if swallowed
 H318: Causes serious eye damage
 H317: May cause an allergic skin reaction
 H411: Toxic to aquatic life with long lasting effects
 EU401: To avoid risks to human health and the environment, comply with the instructions for use

Precautionary Statements: P270: Do not eat, drink or smoke when using this product
 P280: Wear protective gloves/protective clothing/eye protection/face protection
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P310: Immediately call a POISON CENTRE or doctor/physician if you feel unwell
 P101: If medical advice is needed, have product container or label at hand
 P102: Keep out of reach of children
 P501: Dispose of contents/container to a licensed waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste

2.3 Other hazards

PBT: This product is not identified as a PBT/vPvB Substance

Section 3: Composition/information on ingredients

3.1 Substances

Not available

3.2 Mixtures

Name	No.	Classification	% Wt.
(R)-2-(2-4-dichlorophenoxy) Propionic Acid, Dimethylamine Salt	CAS No: 104786-87-0	Acute Tox.4: H302; Eye Dam. 1: H318; Aquatic Chronic 3: H412	30-40%
(4-chloro-2-methylphenoxy) Acetic Acid, Dimethylamine Salt	CAS No: 2039-46-5 EINECS: 218-014-2	Acute Tox. 4: H302; Acute Tox. 4: H312; Acute Tox. 4: H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	10-20%
(R)-2-(4-chloro-2-methylphenoxy) Propionic Acid, Dimethylamine Salt	CAS No: 66423-09-04 EINECS: 240-539-0	Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 2: H411	10-20%
EDTA	CAS No: 60-00-4 EINECS: 200-449-4	Eye Irrit. 2: H319; Acute Tox. 4: H332	0-3%

Section 4: First Aid Measures

4.1 Description of First Aid Measures

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)

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)

Ingestion: If ingestion is suspected, do not induce vomiting. If conscious, drink plenty of water. Obtain medical attention immediately (show this Safety Data Sheet)

Inhalation: Move to fresh air. If there is breathing difficulty or cough, 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 on the premises

Section 5: Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers

5.2 Special hazards arising from the substance or mixture

In combustion emits toxic fumes

5.3 Advice for firefighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Standard procedures for chemical fires: Collect contaminated fire extinguishing water separately. This must not be discharged into drains

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 let product enter drains. Do not allow material to contaminate groundwater system. Collect 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

6.4 Reference to other sections

Refer to Sections 8 and 13 of SDS

Section 7: Handling and Storage

7.1 Precautions for safe handling

When using do not eat, drink or smoke. Avoid direct contact with the 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

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place to which children do not have access. Keep away from food, drink and animal feeding stuff.

7.3 Specific end use(s)

No data available

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Workplace Exposure Limits: Respirable dust

(R)-2-(2-4-Dichlorophenoxy) Propionic Acid, Dimethylamine Salt

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	10	20	-	-

(4-Chloro-2-Methylphenoxy) Acetic Acid, Dimethylamine Salt

UK	10	20	-	-
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(R)-2(-4-Chloro-2-Methylphenoxy) Propionic Acid, Dimethylamine Salt

UK	10	20	-	-
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DNEL/PNEC Values: No data available

8.2 Exposure Controls

Engineering Control Measures: The usual precautionary measures for handling chemicals should be observed. Ensure there is sufficient ventilation of the area

Hygiene Measures: When using do not eat, drink or smoke. Shower or bathe at the end of working

Skin and Body: Wear suitable protective clothing

Hands: Wear chemical resistant gloves, PVC or nitrile rubber gloves

Eyes: Wear suitable eye/face protection. Ensure eye bath is to hand

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

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Brown liquid

Odour: Phenolic

pH: 7.5 - 9.5

Specific Gravity: 1.160 - 1.210 g/ml @ 20°C

Boiling Point: >100°C

Melting Point/Range: No data available

Decomposition Temp.: No data available

Flash Point: >200°C

Auto Ignition Temp.: No data available

Flammability: Not Flammable

Explosive Properties: Not explosive

Oxidising Properties: Non-oxidising (by EC criteria)

Vapour Pressure: No data available

Bulk Density: Not applicable, aqueous solution

Solubility (Water): Miscible

Solubility (Fat Solvent): No data available

Solvent Solubility: Soluble in acetone, dichloromethane, ethyl acetate, methanol and octanol

Partition Coefficient: No data available

Viscosity: 35.8mPas

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
- 10.5 Incompatible materials**
Strong oxidising agents. Strong acids
- 10.6 Hazardous decomposition products**
In combustion emits toxic fumes

Section 11: Toxicological Information

11.1 Information on toxicological effects

Mixture

Toxicity Values:

Route	Species	Test	Value	Units
IHL	-	LD ₅₀	>5.2	mg/l
ORL	-	LD ₅₀	300-500	mg/kg
SKN	-	LD ₅₀	>2000	mg/l

- Eyes:** There may be irritation and redness at the site of contact. The eyes may water profusely
- Skin:** There may be irritation and redness at the site of contact
- Sensitization:** No data available
- 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
- Mutagenic/Carcinogenic/ Teratogenicity/Reproductive/ STOT:** No data available
- Routes of Exposure:** Refer to Section 4 of SDS for routes of exposure and corresponding symptoms

Section 12: Ecological Information

12.1 Ecotoxicity Values:

Species	Test	Value	Units
Lemna	96h/ErC ₅₀	7.5	mg/l
Rainbow Trout (<i>Oncorhynchus mykiss</i>)	96h/LC ₅₀	>1000	mg/l
Daphnia	48h/EC ₅₀	825	mg/l
Algae	72h/ErC ₅₀	1170	mg/l
Fish (<i>Salmo Gairneri</i>)	Chronic NOEC	100	mg/l
Daphnia magna	Chronic NOEC	>500	mg/l

- 12.2 Persistence & Degradability**
Readily biodegradable
- 12.3 Bioaccumulative Potential**
No bioaccumulation potential
- 12.4 Mobility**
Readily absorbed into soil
- 12.5 Results of PBT and vPvB assessment**
This product is not identified as a PBT/vPvB substance

- 12.6 Other Adverse Effects**
Acute Lemna 7 day EC₅₀ 7.5 mg/l

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
14.3 Transport hazard class(es)
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**
No data available
15.2 Chemical safety assessment
A chemical safety assessment has not been carried out for the substance or the mixture 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
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
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
H412 Harmful to aquatic life with long lasting effects
EUH401 To avoid risks to human health and the environment, comply with 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