



SAFETY DATA SHEET

HY-D SUPER

Compilation date: 17/06/2016

Revision No: 1

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

1.1 Product identifier

Product Name: HY-D Super
Product Number(s):

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

Controls many weeds, including Ragwort

1.3 Details of the supplier of the safety data sheet

Agrichem (International) Limited,

Industrial Estate, Station Road, Whittlesey,

Cambs. PE7 2EY, United Kingdom

Tel: 01733-204019

Fax: 01733-204162

Email: admin@agrichem.co.uk

1.4 Emergency telephone number

Emergency tel: 01733-204019

Section 2: Hazards Identification

2.1 Classification according to Regulation (EC) 1272/2008 [EU-GHS/CLP]

Eye Dam. 1

2.2 Label Elements

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



Hazard pictogram: GHS05

Signal words: Danger

Hazard statements: H318: Causes serious eye damage
EUH401: To avoid risk to human health and the environment,
comply, with the instructions for use.

Precautionary P101: If medical advice is needed, have product container or label at Hand.

Statements: P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face Protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312: Immediately call a POISON CENTRE or Doctor/Physician if
P501: Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

2.3 Other hazards
Not available

Section 3: Composition/information on ingredients

3.1 Substances
Not available

3.2 Mixtures

Name	No.	Classification	% Wt.
(2,4-dichlorophenoxy)	CAS No: 2008-39-1	Acute Tox. 4: H302;	40-50%
Acetic Acid, Dimethylamine Salt	EINECS: 217-915-8	Eye Dam. 1: H318; Skin Sens. 1: H317; Aquatic Chronic 2: H411	

Section 4: First Aid Measures

4.1 Description of First Aid Measures

General Advice: Obtain medical attention immediately (show this Safety Data Sheet). If unconscious check breathing and pulse (heartbeat). Give artificial ventilation and chest compression if necessary. If unconscious but breathing and pulse is normal, place in the recovery position.

Eye Contact: If substance has got into the eyes, immediately wash out with plenty of water for at least 10 minutes maintaining eyelid open. 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: If ingestion is suspected, obtain medical attention immediately (show this Safety Data Sheet)

Inhalation: 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: No symptoms
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

Extinguish with carbon dioxide, dry chemical, foam or water spray. Use water spray to cool containers

5.2 Special hazards arising from the substance or mixture

Exposure hazards: 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

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

6.4 Reference to other sections

Refer to Section 8 of SDS

Section 7: Handling and Storage

7.1 Precautions for safe handling

When using do not eat, drink or smoke

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 feedingstuffs

7.3 Specific end use(s)

No data available

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Workplace Exposure Limits: No data available
DNEL/PNEC Values: No data available

8.2 Exposure Controls

Engineering Measures: Ensure there is sufficient ventilation of the area. The floor of the storage must be impermeable to prevent the escape of liquids

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

Hand Protection: Impermeable gloves

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

Skin Protection: Impermeable protective clothing

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Brown liquid

Odour: Characteristic of amines

pH: 7 - 8.5

Specific Gravity: 1.170 g/ml @ 20°C (typical)

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

Solubility (Water): Soluble

Solubility (Fat Solvent): No data available

Partition Coefficient: -0.83 @ pH 7 (Acid)

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

Avoid direct heat

10.5 Incompatible materials

Strong oxidising agents. Strong acids. Strong bases

10.6 Hazardous decomposition products

In combustion emits toxic fumes

Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicity Values:

Route	Species	Test	Value	Units
INL	-	LD ₅₀	>7.41	mg/l
ORL	-	LD ₅₀	>2000	mg/kg.bw
SKN	-	LD ₅₀	>2000	mg/l

Relevant Hazards for Substance:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Based on test data

Excluded Hazards for Substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	Based on available data the classification criteria are not met
Acute toxicity (ac. tox. 3)	-	Based on available data the classification criteria are not met
Acute toxicity (ac. tox. 2)	-	Based on available data the classification criteria are not met
Acute toxicity (ac. tox. 1)	-	Based on available data the classification criteria are not met
Skin corrosion/irritation	-	Based on available data the classification criteria are not met
Respiratory/skin sensitisation	-	Based on available data the classification criteria are not met
Germ cell mutagenicity	-	Based on available data the classification criteria are not met
Carcinogenicity	-	Based on available data the classification criteria are not met
Reproductive toxicity	-	Based on available data the classification criteria are not met

Symptoms/Routes of Exposure:

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:

No symptoms

Delayed/Immediate

Immediate effects can be expected after short-term exposure

Effects:

Section 12: Ecological Information**12.1 Ecotoxicity Values:**

Species	Test	Value	Units
Lemna	96H ErC ₅₀	2.7	mg a.e./l
Fish	96H LC50	59.9	mg/l
Daphnia	48H EC ₅₀	>100	mg/l
Algae	96H ErC ₅₀	>115.35	mg/l
Fish	NOEC	63.4	mg/l
Daphnia	NOEC	79	mg/l

12.2 Persistence & Degradability

Readily biodegradable

12.3 Bioaccumulative Potential

Potential for bioaccumulation is low based on log Pow

12.4 Mobility

Fairly mobile but rapidly degraded in aerobic soils

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance

12.6 Other Adverse Effects

Toxic to aquatic organisms

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

This product is 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 by the supplier

Section 16: Other information**Text of Phrases mentioned in Sections 2 and 3:**

H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H411	Toxic to aquatic life with long-lasting effects
EUH401	To avoid risk 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