DEPITOX®





A soluble concentrate containing 500 g/l (42% w/w) 2,4-D as the dimethylamine salt. For the selective control of the annual and perennial broad leaved weeds in winter and spring wheat; barley and rye, winter oats, undersown cereals, established agricultural and amenity grassland, managed amenity furf, apple and pear orchard floors.

IMPORTANT INFORMATION FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Crops	Maximum Individual Dose	Maximum Total Dose	Latest time of application
Winter Wheat, Winter and Spring Rye,	2.5 L/ha	2.5 L/ ha per crop	before 1st node detectable stage
Spring Wheat, Winter and Spring Barley, Winter Oats	2.0 L/ha	2.0 L/ ha per crop	before 1st node detectable stage
Wheat, Barley, Rye (undersown with grass)	1.0 L/ha	1.0 L/ha per crop	Before 1st node detectable stage
Grassland	3.3 L/ha	3.3 L/ha per year	before the crop is 2" cm high
Apple (around), Pear (around)	2.8 L/ha	2.8 L/ha per year	
Amenity Grassland, Managed Amenity Turf	3.3 L/ha	Oerw Jr	
Application method	Hydraulic OZZIC mounted sprayer	upp nator/kna	osack/t uctor

Other specific restriction

Livestock must be kept out of treated areas for 'eu. ' 2 w esks following treatment and until poisonous we 'ds s' ch as agwort have died and become unpalatable.

READ THE LABEL BEFORE USE. USING THIS PRC TUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

Nufarm UK Limited, Wyke Lane, Wyke, Bradford, West Yorkshire BD12 9EJ. UK.

Technical Helpline telephone number: +44 (0)1274 694714 24-hour emergency telephone number: +44 (0)1274 69603

PROTECT FROM FROST.

FOR PROFESSIONAL USE ONLY

10 L

Safety Information



DANGER

Harmful if swallowed. Causes serious eye damage. Very toxic to aquatic life with long lasting effects

Do not eat, drink or smoke when using this product.

wear protective gloves/protective clothing/ eye protection/face protection.

IF IN FYES: Rinse cautiously with water for sc /erc, minutes. Remove contact lenses, if

se ver minutes. Remove contact lenses, if pr. ent and easy to do. Continue rinsing. SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty triple rinsed containers which can be disposed of as non-hazardous waste.

Contains 2,4-D DMA Salt. May produce an allergic reaction.

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

MAPP 13258 PCS No 02365



Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmvards and roads).

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work – UK only.



SAFETY PRECAUTIONS - UK only

OPERATOR PROTECTION

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when applying by hand held equipment.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or I higher standard of protection.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before meals and after work.

WASH CONCENTRATE from skin or eyes immediately.

Environmental Protection

Do not contaminate water with the product or its container (Do not clean application, agripment near surface water/Avoid contamination via a drains from farmyards and roads).

Livestock must be kept out of treated areas for at least 2 weeks following treatment IF "AGWORT IS PRES" NT, rC LLOW THE GUIDANCE IN THE TORRESTIONS FOR USE.

Storage and disposal

KEEP OUT OF REACH OF CHILDREN.
KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDSTUFFS
KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe pil ce.
WASH OUT CONTAINER THOROUGHLY, and dispose of safe.

DIRECTIONS FOR USE

IMPORTANT: This information is applied as pirt of the Product Laurel. All Instructions within this section must be read carefully in order to obtain safe and successful use of this product.

RESTRICTIONS

- DO NOT use DEPITOX on the seedbed bafolia sowing any crop.
 - DO NOT sow any crop into soil treated with DernoX for at least 3 months after application.
- DO NOT graze grass for at least 14 days after spraying.
- DO NOT mow or roll four days before or unler application. The first four mowings after treatment must be composted for at least 6 months

before use

- DO NOT treat newly established grass or turf less than 1 year old.
- DO NOT treat grass or turf suffering from stress caused by drought, frost, disease or other adverse factors.
 - DO NOT roll or harrow crops for 7 days either before or after application of DEPITOX.

WEEDS CONTROLLED

Apply when the majority of annual weeds are at the seedling* stage. For the control of perennial weeds in established grassland, the best results are obtained if spraying is carried out shortly before flowering. Whilst spraying at this late stage will not give complete control of annual weeds, it may effectively check most of the species mentioned. A second application may be necessary to provide an adequate level of weed control on amenity grassland and managed amenity turf.

* Seedling = Fully expanded cotyledons to 2 expanded true leaves

Cereais

Weed species	Rate product/ ha	Comments
Charlock Mustard, Black	700 mL	These weeds will be completely or almost completely killed when applications are made in the cotyledon to early flower-bud stage
Fat Hen Mustard, Treacle Mustard, White Penny-cress, Field Tare, Hairy		These weeds will be completely or almost completely killed when applications are made in the cotyledon to early flower-bud stage
Buttercup, Corn Nettle, Small Radish, Wild Shepherds Purse		These weeds will be completely or almost completely killed when applications are mcue in the cotyledon up to 2 leaf stage or moderately susceptible at 4 leaves to early flower-bud stage
Forget-me-not, Field Orache, Common Poppy, Common Sowthistle, Prickly Sowthistle, Smooth Turnip, Wild		These we sets will be moderately susceptible (with or without mortality), the amplications are made in the cotyledon up to 2 leaf stays or moderately residal, at all leaves to early flower-bud stage.
Bindweed, Black Bugloss Bugloss, Viper's Chickweed, Common Cranesbill, Dove's-foot Field-speedwell, Common Fromwell, Field Groundsel Knotgrass Mouse-ear, Common Nightshade, Black Persicaria, Pale Pimpernel, Scarlet Redshank Shepherd's needle Speedwell, Wall Spurge, Sun	1.4 L	These wieeds will be moderately resistant when applications are in add in the cotyledon up to 2 leaf stage or resistant at 4 leaves to e unity flower-bud stage
Orache, Common Poppy, Common Sowthistle, Smooth	2.0 L	These weeds will be susceptible when applications are made in the cotyledon up to 4 leaf stage or moderately resistant at 6 leaves to early flower-bud stage
Knotgrass Mayweed, Scentless	2.0 L	These weeds will be moderately resistant when applications are made in the cotyledon up to 2 leaf stage or resistant at 4 leaves to early flower-bud stage

Weed species	Rate product/ ha	Comments
Thistle, Creeping*	2.0 – 2.5 L	These weeds will be susceptible when applications are made in the cotyledon up to early flower-bud stage

Aerial growth only

Hoary Cress – Good control of this perennial weed can be achieved by treatment in winter cereal crops over two successive seasons using 1.6-1.8 I/ha dose of DEPITOX. Apply after the shots are 25-150 mm high up to but before flowering.

Amenity grassland and managed amenity turf

Weed species	Rate product/ ha	Comments
Buttercup, Creeping Hawkweed, Mouse-ear Plantains Thrift		These weeds are an explication where the consistential killed by one application
Bedstraw, Heath Buttercup, Bulbous Ca's-ear Chickweed, Common Daisy Dandelion Dock, Curled Hawkbit, Rough Hawk's-beard, Smooth Pennywort, Marsh Sea-milkwort Sorrel, Common Sorrel, Sheep's Stork's-bill, Common Stork's-bill, Sea Thistle Dwarf	2.81	Corretimes killer by one application but may require a second treatment to give complete control
Celandine, Lesser Mouse-ear, Common Pearlwort, Procumbent Selfneal Yarrow	2	Some effect from one application, but two applications required to give a useful level of control
Ragwort, Common*	3.3 L	Moderately susceptible. Sometimes killed by one application but may require further treatment to give complete control

Intreatment will normally kill plants at all stages of growth up to early bud stage. For best levels of control, treat April-June when rosettes are growing strongly but before flower buds are well formed.

Agricultural grassland (including grass floors under apple and pear trees)

Weed species	Rate product/ ha	Comments
Buttercup, Creeping Hawkbit, Autumn Hawk's-beard, Rough Plantain, Greater Plantain, Hoary Plantain, Ribwort Sandwort, Thyme-leaved		These weeds are susceptible at all stages of growth up to the beginning of flowering with good control of shoots and roots in established plants
Buttercup, Bulbous Dock, Broad-leaved		Seedlings and shoots are susceptible but established plants in grassland will not be controlled
Dandelion Dock, Curled Nettle, Common Rush, Soft * Thistle, Creeping		Seedlings and shoos are susceptible but only aerial growth of established plants is us rally controlled
Thistle, Spear		Seedlings the susceptible but a live Jerial growth of established plants in visually controlled
Bartsia, Red Bindweed, Hedge Burdock, Lesser Buttercup, Meadow Cat's-Ear Chicory Cress, Hoary Daisy Dock, Clustered Fleabane, Common Goatsbeard Hawk's-beard, Smooth Hawkbit, Rough Hawkweed, Mouse-ear Hempnettle, Large-flowered Knapweed, Common Knawel, Annual Mugwort Oxiongue, Bristly Plantain, Buck's-horn Purple-loosestrife Radish, Horse Scabious, Field Self-neal Thistle, Musk Thornapple Vetch, Common Vetch, Tuffed	2.8 L	There weeds are well controlled in the seedling or shoot stage vin useful suppression or death of aerial parts at later growth stages
Horsetail, Field ** Horsetail, Marsh **	2.8 L	Only controls shoots which are well developed (preferably about 30 cm high). Control of established plants is variable. Regrowth will occur in following season

Weed species	Rate product/ ha	Comments
Sorrel, Common Sorrel, Sheep's Sowthistle, Perennial	2.8 L	Provides useful control of shoots only
Bindweed, Field**** Ragwort, Common***	3.3 L+	Moderately susceptible. Aerial growth usually killed and a useful measure of long term control obtained under suitable conditions

May be controlled by application in April to June when growing well. For best results, cut the rushes 4 weeks after treatment or cut them 4 weeks before application and remove stems before spraying

Use 2.8 litres per hedare and spray when growing well in May or early June. Top growth is removed or considerably reduced for the season of freatment. In grassland for hay or silage, shoot kill may be obtained by using 2.0 L/ha two weeks before cutting. Treatment will normally kill plants at all stages of growth up to early bud stage. For best levels of control, treat in April-June when rosettes are growing strongly but before flower buds are well formed.

In order to obtain maximum effect in the year after treatment, spraying should be delayed until shoots are well developed.

Application rate of 3.3 L/na is not permissible around apple and pear the southout of common agwort, although a maximum individual dose and maximum total dose of 2.8 L/na is permitted.

Ragwort control

Ragwort is an 'injurious weed' and those who permit it to grow unchecke it and are liable to grow or under the Weed Act (1959). Where ragwort is present users should consult the Code of Practice. How to, event the Spread. Ragwort, Ragwort plants sprayed with his herbicide are more palatable and contain higher levels of to inso, arms, should be excluded in a treated areas until any ragwort has completely recovered or died and there is no visible sign of the dead we ad. Do not include, and adjacent in hay or slidge crops.

Rate of use

Agricultural grassland: DEPITOX at 2.8 L/na + Agrill x I/M rP 14894/PCS 054991 at 1.0 L/n bo not apply 2.8 L/na DEPITOX alone as this y IIII of the residual control of Residual.

Timing

Agricultural grassland (including grassfloors uniter apple and point rest), menity grassland and Managed amenity turf spray when the majority of plants and managed are it settle stage or it graving vigorously in the autumn or spring but before the flower spines start to grow. DEPITOX should be applied in good growing countings. The private part of a programme and repeat application may be necessary together with removal of any low, or heads in the summer to reduce seed return to the soil. Fields for hay or slidage the following spring should be sprayed in the: The adding a grazed should be treated in the spring.

NB. It is important that all livestock are kept out of treated areas for at least two weeks following treatment and until the Ragwort has died and become unpalatable.

CROP SPECIFIC INFORMATION

Сгор	Dose (L product/ha)	Maximum Total Dose (L product/ha)	Timing and remarks
Winter Wheat, Winter and Spring Rye	0.7 - 2.5	2.5 per crop	Winter Cereals: Apply in the spring from the leaf sheath erect stage but before the 1st node detectable stage Spring Cereals: Apply from the 5 leaf fully expanded stage but before the 1st node detectable stage
Winter and Spring Barley, Winter Oats, Spring Wheat	0.7 – 2.0	2.0 per crop	Winter Cereals: Apply in the spring from the leaf sheath erect stage but before the 1st node detectable stage Spring Cereals: Apply from the 5 leaf full expanded stage but before the 1st node detectable stage
Wheat, Barley, Rye (undersown with grass)	1.0	1.0 per crop	Applyining sping blowing the same recommendations as for cereals. Do NOT spin vivilin DEPITOX before undersowing. El periode has shown that what weeds and cereals form a canopy unity sown crops may be so elvirented using not more than 1.0 L/ha is low followed.
Rotational and Permanent Grassland established for at least one year. Do not use where clovers are an important part of the sward	3.3	3. perye r	Apply in spring to 10th and the optimum timing when grass density is low, such as after 1 thing or grazing, but when weeds are at a susceptible stop. Grassic 1 may be treated with 2.8-3.3 L/ha of DEPITOX according to the wiseds present. Recommended rates are given in the weed susceptible for grassland.
Grass floors under apple and pear orchards. The orchards must have established for at least one year. Do not apply directly to trees	2.8	2.3 per y ar	Apply in spring or autumn when weeds are actively growing. Do not spray during blossom or whilst weeds are in flower. Use low pressure nozzles to avoid spray drift. Bramley Seedling, Emneth Early and Miller's Seedling are particularly susceptible to spray drift. Pears are more susceptible to spray driff than apples and are particularly susceptible to damage via root uptake.
Amenity Grassland and Managed Amenity Turf (established for at least one year).	3.3	9.9 per year	Apply in spring/summer or autumn when the growing conditions are favourable. Amenity grassland and managed amenity turf may be treated with 2.8-3.3 L/na of DEPITOX. The expected levels of control are detailed in the weed susceptibility table for amenity uses. Some perennial weeds will need subsequent application in order to achieve adequate control. A follow up application may also be needed where new seedling weeds appear. An interval of 4 – 6 weeks should elapse between applications. Clovers will receive a check. Top dressing ten days before treatment is recommended to assist kill of weeds and subsequent recovery of the sward.

See under 'Weeds Controlled' for specific application rates for individual weeds.

DEPITOX may be used on all varieties of the listed crops within the recommended growth stages. DO NOT treat barley intended for malting, spring oats or any cereal mixture with peas or beans or other legumes.

Apply in at least 110 L/ha water. In grassland and turf, where weeds might be shielded by grasses, use 400 l/ha water. Refer to the table for special situation pertaining to grass floors under apples and pears.

MIXING AND SPRAYING

Before use ensure that the spraying equipment has been thoroughly cleaned. Half-fill the spray tank with clean water. With the contents of spray ank under re-circulation, add the measured quantities of DEPITOX through the filter. Top up the tank with water to the required level and maintain te-circulation until the tank is sprayed out.

Apply the recommended quantity of DEPITOX through a conventional hydraulic sprayer using a MEDIUM spray to cover the weed leaves evenly and thoroughly.

Avoid spray drift onto neighbouring crops and all broad-leaved plants outside the target area. Do not spray in windy weather. Beets, all brassicas (including oilseed rape, Swedes and turnip) lettuce, sunflowers, onions, peas, potatoes, tomatoes, cucumbers, all fruit crops (including vines) and ornamentals are particularly susceptible to 2,4-D and may be damaged by spray drift.

After each days use, wash out with water and wetting agent. Wash out again with waits drain and allow to dry. Traces of herbicide left in the sprayer may damage susceptible crops if these are subsequently sprayed using the same auipment.

WEATHER AND GROWING CONDITIONS

Apply to a dry crop when rain is not forecast for at least 12 hours. Optimum, sults are obtained when the weak are actively growing under good soil and weather conditions. Reduced weed control may be able aed curing drought or any wather. If rain falls shortly after application, the effect of DEPITOX may be reduced.

RESISTANCE MANAGEMENT

When herbicides with the same mode of action are used reposited, over several years in the falled, selection of resistant biotypes can take place. These can propagate and may become domining. A wirea species is considered to the resistant to a herbicide if it survives a correctly applied treatment at the recommended dose. A strategy in a preventing and managing such resistance should be adopted. This should include integrating herbicides with a programme of cultural control measures.

COM ANY ADVISORY INFORMATION

This section is not part of the Product Label and e. The Plant Protection is section is Regulations 2011. It provides additional advice on product use at the discretion of the applicant.

ACKNOWLEDGEMENTS

Depitox is the registered trademark of Nufarm VK LII ite

TERMS AND CONDITIONS OF SUPPLY, SALE OR USE

All goods supplied by Nufarm UK Limited are of high grade and we believe them to be suitable for the purposes for which we expressly supply them, but as we cannot exercise any control over their mixing, use or application which may affect the performance of the goods all conditions and warranties statutory or otherwise as to the quality or filness for any purpose of our goods are excluded and no responsibility will be accepted by us or our Associate Companies for any damage or injury whatsoever arising form their storage, handling, re-application or use. These conditions cannot be varied by our staff, our agents or by re-sellers of the product whether or not they supervise or assist in the use of such goods.

SAFETY DATA SHEET

Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

3472 CA Code (Nufarm):

NLI1017: U835A Product code . Oracle Recipe Code (Nufarm): 600000134

MY3472 Item codes : Product form : Mixture

Product name : 2,4-D DMA 500 g a.e./L

Type (Nufarm) : Master

Country (Nufarm): Master product

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

1.2.1. Relevant identified uses

Professional use Main use category: Use of the substance/mixture - Herbicide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet Distributor

Nufarm GmbH & Co KG St.-Peter-Str. 25 4021 Linz - Osterreich

T+43/732/6918-3187 - F+43/7 \2// *9*18-63187

Katharina.Krueger@nufarr..com

1.4. Emergency telephone numb

+43/732/69 1-2 6 Emergency number:

(Produktic asstal dort Linz Os en sich +43/1/4 064343 (Vergiffu ic sinformations7en_ale)

2. Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity (oral).

H302 Category 4

Serious eve damage/

eve irritation. Cateaory 1 H318

Hazardous to the aquatic

environment —

Acute Hazard, Category 1 H400 Hazardous to the aquatic

environment —

Chronic Hazard, Category 3 H412

Full text of hazard classes and H-statements: see section 16

Adverse physicochemical, human health and

environmental effects

Harmful if swallowed. Causes serious eve damage. Verv toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP):







gna wold (CLP):

ard ous ingredient zwid statements is LP Danger 2 4-D DMA H302 - Harmful if swallowed

H318 - Causes serious eye! damage.

H410 - Very toxic to aquatic lifé with lona lasting effects.

nary statements (CLP) : 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 CENTER or

doctor

P330 - Rinse mouth. P391 - Collect spillage. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH-statements : EUH208 - Contains (2,4-DICHLOROPHENOXY)

ACETIC ACID, DIMETHYLAMINE SALT. May produce an allergic reaction. EUH40T-To avoid risks to human health and the environment, comply with the instructions for use.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

3. Composition/information on ingredients

3.1. SubstancesNot applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
(2,4-DICHLOROPHENOXY) ACETIC ACID, DIMETHYLAMINE SALT	(CAS-No.) 2008-39-1 (EC-No.) 217-915-8	5,45	Acute Tox. 4 (Oral), H302 .ye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

4. First aid measures

4.1. Description of first aid measures

First-aid measures general: If you feel unwell seek medical advice (show the label where possible) First-aid measures after inhalation of all or you are ed person to breathe fresh air.

First-aid measures after skin contact. Vash off Immediately with soap and plent of vater. First-aid measures after eye contact Immediately rin e with water for a prolonged period while holding the eyelids wide open. If eye irritation persists: Get medical advice/attention

First-aid measures after ingestion: Rinse mo Ith. Inswallowed, seek medical advice immedicely and show this container or label.

Do NOT induce vomiting.

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

Symptom's/effects: Headache. Feeling of weakness. Abdominal pain, nausea. Gastrointestinal complaints. Salivation. Sweating. Coma. Cardiac disorders. Blurred yision. Convulsions. Circulatory collapse.

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

Treat symptomatically.

5. Eirefighting measures.

5.1. Extingu'shir y media

Suitable extinguishing media: Water spray. Dry powder. Sand. Foam.

Carbon dioxide.

Un uitable extinguishing media: high volume water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire:

Carbon monoxide.
Hydrogen chloride.
nifrogen oxides (NOx)
and chlorine.

5.3. Advice for firefighters

Protection during firefighting: Use personal

protective equipment (PPE). Wear a self contained breathing

apparatus.

Other information: Contain the spreading of extinguishing fluids

(this product may be hazardous for the environment). Do not discharge into drains or the environment.

Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures:

Wear personal protective equipment. Refer to chapter 8.

6.1.1. For non-emergency personnel No additional information available

6.1.2. For emergency responders No additional information available

6.2. Environmental precautions

Do not allow to enter drains or water courses.

b.3. Methods and material for containment and cleaning up

Methods for cleaning up:

Soak up with inert absorbent material (for example sand. sawdust, a universal binder, silica ael). Take up mechanically (sweeping, shovelling)

and collect in suit ble container for auposal.

Other information .

Never return spills in original containers for possible Interne-use.

6.4. Reference to other sections For further information refer to section, 13

7. Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Wear p€ rsonu

protestive equipment. Keep out on the reach of children Avoid all eve and kin contact and do not breathe vapour and

mist

7.2. Conditions for safe storage, including any Incompatibilities

Storage conditions:

Store in original container. Store at room temperature.

Storage temperature:

> 0 °C

Information on mixed storage: Keep away from

food, drink and animal feeding stuffs. Special rules on packaging:

Keep only in original container. Store in a closed container.

7.3. Specific end use(s)

8. Exposure controls/personal protection

8.1. Control parameters

(2,4-DICHLOROPHENOXY)ACETIC ACID, DIMETHYLAMINE SALT (2008-39-1)			
United WELTWA 10 mg/ Kingdom (mg/m³) m³ 8 H			
United WEL STEL 20 mg/ Kingdom (mg/m³) m³ 15 min			

Additionanne.mation: Country Specific

2. 'xposure controls

Appropriate engineering controls:

'asy hands and other exposed areas with mild soap and water before along, drinking or smoking and when

leaving work.

Personal r ote tive equipment: Protective Cothing. Gloves. Safety glasses.

Materials for protective clothing:

According to the conditions of use, protective gloves, ore projection must be worn.

Keep away from food and drink. Wash clothing before re-using

Hand protection:

Chemical resistant gloves (according to European standard EN 374 or equivalent)

Eve protection:

Safety glasses with side shields. Standard EN 166 -

Personal eve-protection.

Skin and body protection:

EN 14605. According to the conditions of use, protective gloves, apron, boots, head and face protection must be worn

Respiratory protection:

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according

to standard EN 14387) is used







9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid Colour: brown. Odour : Amine-like

Odour threshold: No data available

75-9 : Ha

Relative evaporation rate

(butylacetate=1): No data available No data available Melting point:

No data available Freezing point: No data available Boiling point:

Flash point: > 200 °C Auto-ignition temperature: > 600°C

No data available Decomposition temperature : No data available Flammability (solid, aas): No data available

Vapour pressure : Relative vapour

density at 20 °C: No data available

Relative density: 1167-1177 Solubility: Water: completely m scible -0.82 (2.4 D, pH Loa Pow:

No data a ailable Viscosity, kinematic:

Viscosity, dynamic:

No explosive. Explosive properties: Non o ridizina Oxidising properties: **Explosive limits:** No Jata available

9.2. Other information

No additional information available

10. Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions No additional information available

10.4. Conditions to avoid

None.

10.5. Incompatible materials

Strona bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use. hazardous decomposition products should not be produced.

11. Toxicological information

11.1. Information on toxicological effects

2,4-D DMA 500 g a.e./L		
LD50 oral rat	1297 mg/kg	
LD50 dermal rat	> 4000 mg/kg	
LC50 inhelation rat (mg/l)	> 5.01 mg/l/4h	

(°,4-Di.`YLOROPHENOXY)ACETIC ACID, DIMFTHYL 1MINE SALT (2008-39-1)				
LL 50 oral rat	XC	625 mg/kg		

LD 50 dermal rub it 2115 mg/kg

Acute toxicity ord Oral: Harmful if swallowed.

Acute toxicity (dermal): Not classified (Based on available data, the classification criteria

are not met)

Acure toxicity (inhalation): Not classified (Based on available data, the

classification criteria

are not met)

Skin corrosion/irritation -Not classified (Based) on available data, the

classification criteria are not met)

pH: 7.5 - 9 Serious eye damage/irritation: Causes serious eye

damage.

pH: 7.5 - 9

Respiratory or skin sensitisation: Not classified (Did

not cause sensitisation. Based on available data, the classification criteria are not met)

Germ cell mutagenicity: Not classified (Based on available data the

classification criteria

are not met)

cardinogenicity: """ Not classified (Based on available data, the classification criteria are not met)"

Reproductive toxicity:

Not classified (Based on available data, the classification criteria are not met)

Not classified (Based on available data, the classification criteria are not met)

Not classified (Based on available data, the classification criteria are not met)

Not classified (Based on available data, the classification criteria are not met)

Not classified (Based on available data, the classification criteria are not met)

12. Ecological information

12.1. Toxicity

Acute aquátic toxicity: Very toxic to aquatic life.

Chronic aquatic toxicity: Harmful to aquatic life with long lasting effects.

2,4-D DMA 500 g a.e./L	
LC50 96h fish	> 200 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 48h crustacea	> 200 mg/. Daphnia magna
EC50 72h algae	> 100 n. 7/1 rscsdokirchneriella subcapitata
ErC50 (other aquatic plants)	4 mg/l 7a; Lemna minor
NOEC (chronic)	' '6.2 n.g/l Daphnic, nagne, 21d (flowthrough); (2,4-D)
NOEC chronic fish	13.4 mg/l Pime shr., s promelas; (2,4 D); 32 d ELS niowthroug.

Additional ecotoxicological information

14 d ErC50 (Myriophyllum spicatum) 0/15mg/14 d ErC10 (Myriophyllum spicatum) 175 ng/L LC50 (Eisenia fetida) >1000mg/Koson, 96h LD50 oral (Apis mellifera) >100 g/Lse96h LD50 contact (Apis mellifera) >200 µg/bee

(2,4-DICHLOROPHENOXY, CLIC, CID, DIMETHYLA AINL SALT (2008-39-1)

Additional ecotoxicological information

14 d NOErC (Myriophyllum aquatic Jun 0.330 Jmg/L (2,4-D) 14 d ErC50 (Myriophyllumaquaticcum) 3.346mg/L (2,4-D)

12.2. Persistence and degradability

	2,4-D DMA 500 g α.e./L		
Persistence and degradability		Readily biodegradable.	
	Biodegradation	DT50 2.0-58.9d (soil); (2,4-D)	

(2,4-DICHLOROPHENOXY)ACETIC ACID, DIMETHYLAMINE SALT (2008-39-1)		
Persistence and degradability	Readily biodegradable.	
Biodegradation	DT50 (soil) 2-58.9d (2,4-D)	

12.3. Bioaccumulative potential

2,4-D DMA 500 g a.e./L			
Log Pow	-0.82 (2,4-D, pH7)		
Bioaccumulative potential	No bioaccumulation.		
(2,4-DICHLOROPHENOXY)ACETIC ACID, DIMETHYLAMINE SALT (2008-39-1)			
Log Pow	-0.82 (2,4-D; pH7)		
(2,4-DICHLOROPHENOXY)ACETIC ACID, DIMETHYLAMINE SALT (2008-39-1)			

2.4. Mobility in soil

Bioaccumulative potential

2,4-D DMA 500 g a.e./L	
Mobility in soil	n'ohie
Koc), foc 12-382 (2,4-L),

(2,4-DICHLOROPHENOXY)ACETIC ACID, DIMETH), AM, NE JALT (2008 39-1)

Mobility in soil Mobile

12.5. Results of PBT and vPvB assessmen

2,4-D DMA 500 g a.e./L

This substance/mixture does not must the PBT criteric of RL CH regulation, annex XIII

This substance/mixture doe. for met the VPVB trite ia or kEACH regulation, annex XIII 12.6 Other

12.6. Other adverse effects

No additional information available

13. Disposal considerations

13.1. Waste treatment methods

Waste treatment methods: Dispose as hazardous waste. Dispose of at authorized waste collection point.

Do'not remove as household garbage. Must follow special treatment according to

Low bioaccumulation potential.

local regulation.

Product/Packaging disposal recommendations:

Do not re-use empty containers. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or

international regulation.

14. Transport information In accordance with ADR/RID/IMDG/IATA/ADN

PP1

MP19

provisions (ADR):

Portable tank and bulk

container instructions (ADR): T4

Mixed packing provisions (ADR):

IT accordance will ADR/ RID	/ INDG / IAIA / ADIN			
ADR	IMDG		IATA	
14.1. UN number				
3082	3082		3082	
14.2. UN proper shipping na	me			
ENVIRONMENTALLY HAZARDO SUBSTANCE, LIQUID, N.O.S. (2		ALLY HAZARDOUS QUID, N.O.S. (2,4-D)	Environm stance, lic n.o.s. (2,4	
Transport document descrip	tion (ADR)			
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2 9, III, (-	HAZARDOUS	QUID, N.C ^ (2.4-2),	OUS	Environmentally hazard- e, liquid, n.o.s. (2,4-D), 9, III
14.3. Transport hazard class	(es)		.(7)	
9	9		9	
♣	A'm,		***************************************	*
III		XO	III	
14.5. Environmental hazards				
Dangerous for the environm	ent:) s Dangereus for Marir e pellutar	th environment: Yes	Dangero	us for the environment : Yes
No supplementary information available				
4.6. Special precautions for u Overland transport Classification code (ADR) : Special provisions (ADR) :	M6 274, 335, 375, 601	Portable tank and be container special provisions (ADR): Tank code (ADR):	oulk	TP1, TP29 LGBV
Limited quantities (ADR) : Excepted quantities (ADR) :	5I E1	Vehicle for tank cari Transport category Special provisions f	(ADR) :	AT 3
Packing instructions (ADR) : Special packing	PO01, IBC03, LP01, R001	carriage - Package	s (ADR) :	V12

Special provisions for

Hazard identification number

(Kemler No.): 90

CV13

carriage - Loading,

unloading and handling (ADR) :

Orange plates:

90 3082

•37

5 L

E1

PP1

T₄

F-A

S-F

IBCO3

274, 335, 969

PO01, LP01

Tunnel restriction code (ADR):

EAC code :

Transport by sea

Special provisions (IMDG):

Limited quantities (IMDG): Excepted quantities (IMDG):

Packing instructions (IMDG):

Special packina

brovisions (IMDG): IBC packina

instructions (IMDG):

Tank instructions (IMDG): Tank special provisions (IMDG): TP2, TP29

EmS-No. (Fire):

EmS-No. (Spillage): Stowage category (IMDG):

Air transport

PCA Excepted quantities (IATA): E1 PCA Limited quantities (IATA): Y96

PCA limited quantity max het quantity (IATA) :

PCA packing instructions (IAT/

PCA max net quantity (IATA): 450

CAO packing instructions (IATA) 704 CAO max net quantity (IATA): 4501

Special provisions (IATA): A97, A, 58, A1

91 ERG code (IATA):

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable

Regulatory information

15.1. Safety, health and environmental regulations/ legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference :

Water hazard class (WGK) 3, Highly hazardous to water (Classification according to VwVwS,

Annex 4)

12th Ordinance Implementing the Feder Ummission Control

Act - 12 BlmSchV:

Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

'etherlanas SZ Y-liist van

ank verwekkengs

None of the components are listed

ZW-liist van mutraene stoffen: None of the

components are listed

NIET-limitatione list van voor de voortplanting giftige stof en - Borstvoeding:

None of the

components are listed NILT-limitatieve lijst van voor de

voortplanting giftige stoffen – Vruchtbaarheid:

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting aiffige stoffen – Ontwikkeling:

None of the

components are listed

Denmark

Recommendations Danish Regulation:

Young people below the age of 18 years are not allowed to use!

the product

15.2. Chemical safety assessment None

16. Other information Indication of changes:

Section	Changed item	Change	Comments
2.1	Adverse physicochemical, human health and environ- mental effects	Added	
2.2	Precautionary statements (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	
2.2	Hazard pictograms (CLP)	Modified	
3	Composition/information on ingredients	Modified	
5.3	EAC code	15/200	
7.2	Special rules on packaging	Aac'ed	
8.2	Personal protective equipment	Auded	V
9.1	Viscosity, dynamic	Added	•
9.1	Relative density	Adde ^c	
9.1	Auto-ignition emperature	Addud	
9.1	рн	Nodified	
9.1	Localow	odified	
9.1	Hash point	Modified	
11.1	Pagsen for no classification.	Added	
11.1	Prason for a class ficulion	Added	
11.1	Reason for lock ssification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Modified	
11.1	Additional information	Removed	
11.1	LD50 oral rat	Modified	
11.1	LD50 dermal rat	Modified	

11.1	LC50 inhalation rat (mg/l)	Modified
11.1	ATE CLP (oral)	Modified
12.1	EC50 72h algae	Added
12.1	EC50 48h crustacea	Added
12.1	DT50	Removed
12.1	ErC50 (other aquatic plants)	Removed
12.1	NOEC chronic fish	Modified
12.1	NOEC (chronic)	Modified
12.1	ErC50 (algae)	Modified
12.1	EC50 other aquatic organisms 1	Ren, ovea
12.2	Biodegradation	Addrd
12.3	Log Pow	Modified
12.4	Mobility in soil	Added
14.1	UN-No. (ADN)	Addea
14.1	UN-No. (A DR)	Ado. d
14.1	UN-N.O. (1 MDC)	Added
14.1	LUNI-NC (IATA)	Added
14.2	rope Shipping Nam (ADN)	Added
14.2	Proper Shipping Nome (ADR)	Added
14.3	Danger abe s (RID)	Added
14.3	Danger labe.s (ADR)	Added
14.3	Class (ADR)	Added
14.4	Packing group (ADN)	Added
14.4	Packing group (IATA)	Added
14.4	Packing group (IMDG)	Added
14.4	Packing group (ADR)	Added
14.6	Special provisions (ADN)	Added

14.6	Special packing provisions (IMDG)	Added	
14.6	Packing instructions (IMDG)	Added	
14.6	Transport category (ADR)	Added	
14.6	Special provisions (ADR)	Added	
14.6	Excepted quantities (ADR)	Added	
14.6	Limited quantities (ADR)	Added	
14.6	Tunnel restriction code (ADR)	Added	
14.6	Hazard identification number (Kemler No.)	Added	
14.6	Classification code (ADR)	, daea	

Full text of H- and EUH-statements:

11.0	Classification Code (VET)		
Full text of H- and EUH-statements:			
Acute Tox. 4 (Oral)	Acute to, wity (crain, Category 4		
Aquatic Acute 1	Hazara vs is the aquatic environment — Acute Hazard, Category 1		
Aquatic Chronic 2	I azard justo the aquatic environment — Chronic Hazard, Category 2		
Aquatic Chronic 3	Hazardous to the quac environment — Chronic Hazard, Category 3		
Eye Dam. 1	Cerious eve damo ge/eye irritation, Category 1		
Skin Sens. 1	Skin sen, itisatı, n, Category 1		
H302	Ha. mfl. if swallowed.		
H317	May couse an allergic skin reaction.		
H318	Causes serious eye damage		
H400	Very toxic to aquatic life.		
H411	Toxic to aquatic life with long lasting effects.		
H412	Harmful to aquatic life with long lasting effects.		
EUH208	Contains . May produce an allergic reaction.		
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.		