

SAFETY DATA SHEET

KIWICARE®

Product Name: *Mostox*

Print/View Date: 16/06/2023

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1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	Mostox
Recommended uses:	Herbicide
Restrictions on Use/Supply:	Do not apply directly into or onto water
Molecular Formula:	Mixture - Concentrate
Supplier:	Kiwicare Corporation Limited
Street Address:	225 Maces Road, Bromley, Christchurch, 8062 New Zealand
Postal Address:	P.O Box 15050, Aranui, Christchurch, 8643 New Zealand
Telephone	+64 3 389 0778
Email:	info@kiwicare.co.nz
Website:	www.kiwicare.co.nz
Emergency Contact Numbers:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

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2. HAZARDS IDENTIFICATION

GHS Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
Met. Corr. 1			Warning	H290	P102 P103 P234	P101 P390	P406	P501
Skin Corr. 1C			Danger	H314	P102 P103 P260 P264 P280	P101 P301+P330+P331 P303+P361+P353 P363 P304+P340 P310 P321 P305+P351+P338	P405	P501
Eye Damage 1	Not applicable for the UN RTDG Model Regulations		Danger	H318	P102 P103 P280	P101 P305+P351+P338 P310	No Storage Statement	P501
Aquatic Acute1			Warning	H400	P103 P273	P391	No Storage Statement	P501
Aquatic Chronic 1			Warning	H410	P103 P273	P391	No Storage Statement	P501

Signal word:

DANGER

Dangerous Goods:

Class 8 Corrosive Liquid

Packaging Group:

III

Hazardous Substance (GHS) Codes:

Metal Corrosive Cat. 1

Skin Corrosive Cat. 1C

Eye Damage 1

Aquatic Acute Cat. 1

Aquatic Chronic Cat. 1

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Pictograms:



Hazard Statement:

H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

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.

P234: Keep only in original container.

P260: Do not breathe spray.

P264: Wash thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+361+353: IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water/shower.

P304+340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338: 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/physician.

P321: Specific treatment on the label.

P363: Wash contaminated clothing before reuse.

P390: Absorb spillage to prevent material damage.

P391: Collect spillage.

P405: Store locked up.

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P406: Store in corrosive resistant container with a resistant inner liner.

P501: Rinse container and dispose to landfill or recycling where allowed. Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017. Do NOT burn.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Brown liquid

Ingredients

Ingredients	CAS #	Content %
Dichlorophen Sodium Salt	97-23-4	>40%
Non specified non-hazardous ingredients	NA (Mixture)	to 100 %

4. FIRST AID MEASURES

General information: In case of accident, or if you feel unwell, seek medical advice, or call the National POISON CENTER on 0800 764 766 (show the label where possible).

Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.

Eye Contact: Can cause serious eye damage. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, seek immediate medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.

Skin Contact: Can cause severe skin burns. Remove all contaminated clothing immediately. Rinse skin with water/shower. If you skin irritation persists, seek immediate medical advice, or contact the national POISON CENTER on 0800 764 766 and have the product label at hand.

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Inhalation:	Can cause irritation if inhaled. Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing problems persists, seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Advice for Medical Doctors:	Treat symptomatically

5. FIRE FIGHTING MEASURES

HAZCHEM code:	2 2
Specific Hazards:	None. Minimise the use of water to prevent environmental contamination.
Suitable Extinguishing Media:	Use extinguishing media appropriate to the surrounding conditions.
Fire Fighting Advice:	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later.
Hazardous Products of Combustion:	No data for the mixture

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20L):	Very toxic to aquatic life with long lasting effects. Contain spill and collect using suitable absorbent material.
Major Spills (more than 20L):	Minimise spread. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority. Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation.

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7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin and eye. Avoid inhaling spray. When handling product in bulk, safety footwear should be worn, and proper handling equipment should be used. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking, or smoking. Clean equipment after use. Do not contaminate drains, sewers, or waterways.
Conditions for safe Storage including incompatibilities:	Keep out of the reach of children. Store locked in original container in a cool, dry, ventilated place, away from direct heat of sunlight. Store away from foodstuffs, children, and animals. Minimum shelf life: 2 years.
Protection against fire and explosion:	Keep away from heat sources although the product has no flammability. The product is not explosive. Keep away from oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	No exposure standards apply for this product.
Engineering Controls:	No special requirements when used as recommended.
Hand protection:	Wear chemical resistant gloves while mixing and spraying.
Eye protection:	Wear safety goggles or full-face shield to prevent irritation.
Body protection:	Skin protection not ordinarily required beyond standard issue work clothes.
Respiratory Protection:	Wear a disposable mask or a breathing apparatus while mixing and spraying.
General safety and hygiene measures:	Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Minimise contact with the skin, eyes and clothing.
Environmental Exposure Controls:	Minimise release to the environment.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown liquid
Odour:	Strong phenolic odour
Odour Threshold:	No data
pH Value:	11.5 – 13.0
Melting/freezing point:	No data
Boiling point (range):	177-178°C (active ingredient)
Flash Point:	No data
Flammability:	Not applicable
Explosive limits:	Not applicable
Vapour pressure:	No data
Vapour density:	No data
Relative density:	1.14 – 1.16 g/mL
Solubility:	Soluble
Partition coefficient:	No data
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data
Viscosity:	No data

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	May react with some metals due to its high pH value. Not explosive or oxidising.
Incompatibility or conditions to be avoided:	Avoid strong oxidising and acidic agents.
Corrosive Properties:	Corrosive to metals, eyes, and skin.
Thermal Decomposition:	The formation of toxic/irritant gases/vapours may occur if heated.

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11. TOXICOLOGICAL INFORMATION

Hazard Class:	Met.Corr.1, Skin Corr.1C, Eye Dam. 1
Acute Toxicity:	Dichlorophen Acute oral LD ₅₀ = 2690 mg/kg (rat). Acute dermal LD ₅₀ = 1000 mg/kg (mouse)
Aspiration hazard:	May cause irritation on inhalation of spray
Skin corrosion/irritation:	Can cause severe skin burns.
Serious eye damage/irritation:	Can cause serious eye damage.
Respiratory or skin sensitisation:	Unlikely to cause skin sensitisation
Germ cell mutagenicity:	No data available
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific organ toxicity – single exposure:	Not applicable
Specific organ toxicity – repeated exposure:	Not applicable
Narcotic effects:	No data available.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOTOXICITY INFORMATION

Ecological information of substance:	Very toxic to aquatic life with long-lasting effects. Do not contaminate waterways, sewers, or drains when using product or packaging. Dichlorophen Rainbow trout, LC ₅₀ (96 hr) = 0.54 mg/L Water flea, EC ₅₀ (48 hr) > 0.154 mg/L
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Bioaccumulation: Not likely to Bioaccumulate

Soil Toxicity: Not toxic to soil organisms

13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation: Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017.

Container Disposal: Empty containers can be recycled or sent to landfill after cleaning if in compliance with local and national regulations.

DO NOT reuse containers. Do NOT burn

Methods of disposal to avoid Do not empty down stormwater system

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air:

UN Number: 3267

Dangerous Goods Class: Class 8

Hazchem Code: 2.2

Packaging Group: III

Proper Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.

Segregation: Keep in a corrosive material containment

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: HSR000444

GHS Classifications: Met.Corr.1, Skin Corr.1C, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1

HSNO Controls: Refer to HSR000444

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Additional Controls: Stores containing more than 100L should have secondary containment, emergency response plans

16. OTHER INFORMATION

SDS date of preparation: 16 / 06 / 2023

SDS date of revision: 16 / 06 / 2028

All Safety Data Sheets are subject to review and should not be left longer than five years before and update is obtained.

For further information visit the Kiwicare web site, www.kiwicare.co.nz, or contact the supplier of the starting material.

The information in this document should be made available to all who may handle the product. For proper and safe use of this product, please refer to the product label.

This information is based on data believed by Kiwicare Corporation Limited to be accurate at the time of writing. It is given in good faith, but no warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with the materials referred herein does so at their own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

Attention is drawn to the application and safety instructions set out on the label. This sheet is not a substitute for safety, hazard or application instructions set out on the label. As Kiwicare Corporation Limited and their distributors have no control over storage or use of this product no liability for accident or damage will be accepted.

Abbreviations:

ADR:	European agreement concerning the international carriage of Dangerous goods by Road
CLP:	Classification Labelling and Packaging
EC:	European Commission
EU:	European Union
GHS:	Global Harmonized System
H Phrase:	Hazard Phrase
HSNO:	Hazardous Substances and New Organisms (1996) Act
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organisation
IMDG:	International Maritime Dangerous Goods
P Phrase:	Precautionary Phrase
RID:	Regulations concerning the International carriage of Dangerous good by rail
STEL:	Short-Term Exposure Limit
TLV:	Threshold Limit Value

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TWA: Time Weighted Average

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