SAFETY DATA SHEET

AQUASONIC Pty. Ltd.

aquasonic.com.au

PARA-GONE

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

Product name	Para-Gone
Product use	Ornamental aquariums and aquaculture; For the aid in the control of most external fish parasites.
Supplier details	Aquasonic Pty Ltd (ABN 70 001 427 256) 14 Commerce Street Wauchope NSW 2446 Australia Tel: +61 2 6586 4933 Fax: +61 2 6586 4944
Emergency contact	Poisons Information Centre Tel: 1800 039 008
Product size	25 tablet, 100 tablet, 300 tablet
Product code	PL040, PL041, PL042

2. HAZARDS IDENTIFICATION

Hazard Classification (GHS)	Acute toxicity, Oral	Category 4	H302
	Acute toxicity, Dermal	Category 4	H312
	Respiratory sensitisation	Category 1	H334
	Skin sensitisation	Category 1	H317
	Acute aquatic toxicity	Category 1	H400
	Chronic aquatic toxicity	Category 1	H410

Symbol (GHS)

Signal word	Danger, Respiratory, Environmental Hazard
Hazard statements	
H302 + H312	Harmful if swallowed or in contact with skin.
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H410	Very toxic to aquatic life with long lasting effects.
Precautionary statements	
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264	Wash skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing.
P284	Wear respiratory protection.
P302 + P352 + P312	IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/doctor if you feel unwell.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P391	Collect spillage.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical composition

Trichlorfon | CAS #: 52-68-6 | WT: Proprietary concentration
Sodium Chloride | CAS #: 7647-14-56 | WT: Proprietary concentration
Providone | CAS# 52-68-6 | WT: Proprietary concentration
Magnesium Stearate | CAS #: 557-04-0 | WT: Proprietary concentration
Tablet Binder - data unavailable

This is a commercial product which exact ratio of components may vary. Trace quantities of impurities are also likely.

4. FIRST-AID MEASURES

General Consult a physician. Show this safety data sheet to the doctor in attendance.

Swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

Eye Immediately flush eyes with plenty of water as a precaution.

Skin Wash affected area with plenty of soap and water. Seek medical attention if irritation persists. Consult a physician.

Inhaled Remove victim from exposure to fresh air. If not breathing, apply CPR. If breathing is difficult, give oxygen. Consult a physician.

5. FIRE-FIGHTING MEASURES

Extinguishing media Suitable extinguishing media: use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture No data available

Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.

Further information No data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.
Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections For disposal see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s) Apart from the uses mentioned in section 1.3 no other specific

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters **Occupational Exposure Limits**
Contains no substances with occupational exposure limits values.

Exposure Controls - Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it

Body Protection Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a) Appearance	Form: solid
b) Odour	No data available
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	1.730 g/cm3at20 °C
n) Water solubility	soluble
o) Partition coefficient: n-octanol/water	log Pow: 0.51/log Pow: 5
p) Auto-ignition temperature	No data available

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under normal conditions of use, storage and temperature
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. -Carbon oxides, Oxides of phosphorus, Hydrogen chloride gas. In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	LD50	Oral - Rat - 882 mg/kg
	LC50	Inhalation - Rat - 1,300 mg/m3
	LD50	Dermal-Rat - 2,000 mg/kg
Skin corrosion/irritation	No data available	
Serious eye damage/eye irritation	Eyes-Rabbit	Result: Mild eye irritation
Respiratory or skin sensitisation	No data available	
Germ cell mutagenicity	Ames test	Result: positive

Carcinogenicity

Carcinogenicity - Rat - Skin
Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Liver:Tumours.

Carcinogenicity - Rat - Intramuscular Tumorigenic: Carcinogenic by RTECS criteria. Liver: Tumours. Blood: Tumours.
Carcinogenicity-Rat-Oral

Tumorigenic: Carcinogenic by RTECS criteria. Liver: Tumours. Blood: Tumours.
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

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard	No data available
Additional Information	RTECS: Not available To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish;
LC50 - Oncorhynchus mykiss (rainbow trout) - 0.114 mg/l-96.0 h
LC50 - Oncorhynchus mykiss (rainbow trout) - 0.7 mg/l-96.0 h

Toxicity to daphnia and other aquatic invertebrates;
EC50 - Daphnia magna (Water flea)-0.00005 mg/l-48 h

Persistence and degradability

Bioaccumulative potential	Bioaccumulation Cyprinodon variegatus (sheepshead minnow) - 96 h -26.9 mg/l Bioconcentration factor (BCF): 0.11
Mobility in soil	No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects Very toxic to aquatic life with long lasting effect

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product Offer surplus and non-recyclable solutions to a licensed disposal company.Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging Dispose of as unused product.

14. TRANSPORT INFORMATION

UN number ADR/RID: 3464 IMDG: 3464 IATA-DGR: 3464

UN proper shipping name
ADR/RID: ORGANOPHOSPHORUS COMPOUND, SOLID, TOXIC, N.O.S. (Trichlorfon)
IMDG: ORGANOPHOSPHORUS COMPOUND, SOLID, TOXIC, N.O.S. (Trichlorfon)
IATA-DGR: Organophosphorus compound, solid, toxic, n.o.s. (Trichlorfon)

Transport hazard class(es) ADR/RID: 6.1 IMDG: 6.1 IATA-DGR: 6.1

Packaging group ADR/RID: IIII MDG: III IATA-DGR: III

Environmental hazards ADR/RID: No

IMDG Marine pollutant: No IATA-DGR: No

Special precautions for user No data available

15. REGULATORY INFORMATION

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

Standard for the Uniform Scheduling of Medicines and Poisons

No data available

Carcinogen classification under WHS Regulation 2011, Schedule 10

Not listed

Notification status

AICS: On the inventory, or in compliance with the inventory

DSL: All components of this product are on the Canadian DSL

ENCS: Not in compliance with the inventory-Trichlorfon

IECSC: On the inventory, or in compliance with the inventory

ISHL: Not in compliance with the inventory-Trichlorfon

KECI: On the inventory, or in compliance with the inventory

NZIoC: On the inventory, or in compliance with the inventory

PICCS: On the inventory, or in compliance with the inventory

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity

H302 + H312	Harmful if swallowed or in contact with skin.
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H410	Very toxic to aquatic life with long lasting effects.
Resp. Sens.	Respiratory sensitisation
Skin Sens.	Skin sensitisation

Key/Legend

<	Less than
>	Greater than
ADG	Australian Code for the Transport of Dangerous Goods by Road & Rail
AISC	Australian Inventory of Chemical Substances
g	Gram
g/L	Grams per litre
H_2O	Chemical formula for water
Kg	Kilogram
L	Litre of liquid
LC50	Lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% of a group of test animals
LD50	Lethal dose. LD50 is the amount of material, given all at once, which causes the death of 50% of a group of test animals
L.E.L	Lower explosion limit
mg/L	Milligram per litre of liquid
TWA	Time weighted average
U.E.L.	Upper explosion Limit

Notice to reader

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