Safety Data Sheet
according to WHS Regulations

Printing date 04.07.2018 Reviewed on 28.06.2018

Not classified as hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

· **Product identifier**

· **Trade name: DPD No.3**

· **Catalogue number:** 00511089, (4)511080, (4)511081, 511083, (4)511082

· **Relevant identified uses of the substance or mixture and uses advised against:**

· **Application of the substance / the mixture:** Reagent for water analysis

· **Manufacturer/Supplier:**
Waterlilly Australia Pty Ltd
(ABN 86 079 391 503)
PO Box 48
Haberfield NSW 2045
Phone : 02 9798 9975
Email : water-lilly@bigpond.com

· **Emergency telephone number:**
Australian Poisons Information Centre - 24 Hour Telephone Advice Line
Address
PO Box 11
Woden, 2606 ACT
Phone : 13 11 26 (24 hours)

2 Hazard(s) Identification

· **Classification of the substance or mixture** The product is not classified as hazardous.

· **Label elements**
· **Hazard pictograms** none
· **Signal word** none
· **Hazard statements** none

· **Other hazards** No further relevant information available.

3 Composition and Information on Ingredients

· **Chemical characterization: Mixtures**
· **Description:** Mixture of inorganic compounds.
· **Composition and Information on Ingredients:** none

4 First Aid Measures

· **Description of first aid measures**
· **General information:** Immediately remove any clothing soiled by the product.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:**
Rinse opened eye for several minutes (at least 15 min) under running water. If symptoms persist, consult a doctor.
· **After swallowing:**
Rinse out mouth and then drink 1-2 glasses of water.
If symptoms persist consult doctor.
· **Most important symptoms and effects, both acute and delayed**
after swallowing of large amounts:
sickness
vomiting
abdominal pain
drop in blood pressure
resorption
· **Danger:** Danger of disturbed cardiac rhythm.

(Contd. on page 2)

Safety Data Sheet
according to WHS Regulations

Printing date 04.07.2018 Reviewed on 28.06.2018

Trade name: DPD No.3

(Contd. of page 1)

· **Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

5 Fire Fighting Measures

· **Extinguishing media**
· **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
· **Special hazards arising from the substance or mixture**
The product is not combustible.
Formation of toxic gases is possible during heating or in case of fire.
Hydrogen chloride (HCl)
Potassium oxide
Hydrogen iodide (HI)
· **Advice for firefighters**
· **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
· **Additional information**
Collect contaminated fire fighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Ambient fire may liberate hazardous vapours.

6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures**
· **Advice for non-emergency personnel:** No special measures required.
· **Advice for emergency responders:** Protective equipment: see section 8
· **Environmental precautions:** Do not allow product to reach sewage system or any water course.
· **Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Pick up mechanically.
Dispose contaminated material as waste according to item 13.
· **Reference to other sections**
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and Storage

· **Precautions for safe handling**
· **Advice on safe handling:**
Prevent formation of dust.
Thorough dedusting.
· **Hygiene measures:**
The usual precautionary measures for handling chemicals should be followed.
Wash hands before breaks and at the end of work.
Do not eat, drink or smoke when using this product.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** Store in a cool location.
· **Information about storage in one common storage facility:** Store away from oxidizing agents.
· **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
Protect from exposure to the light.
Store in dry conditions.
Protect from humidity and water.
· **Recommended storage temperature:** 20°C +/- 5°C (approx. 68°F)
· **Specific end use(s)** No further relevant information available.

(Contd. on page 3)

Safety Data Sheet
according to WHS Regulations

Printing date 04.07.2018 Reviewed on 28.06.2018

Trade name: DPD No.3

(Contd. of page 2)

8 Exposure controls and personal protection

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**	
CAS: 7681-11-0 potassium iodide	
TLV (USA)	Long-term value: NIC-0.015** mg/m³, (0.01*) ppm NIC-Skin; *inhalable fraction & vapor **inhal.;

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Engineering measures:**
Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.
See item 7.

· **Personal protective equipment:**
· **Breathing equipment:** Use respiratory protective device against the effects of fumes/dust/aerosol.
· **Recommended filter device for short term use:** Filter P1
· **Protection of hands:**
Preventive skin protection by use of skin-protecting agents is recommended.
After use of gloves apply skin-cleaning agents and skin cosmetics.
· **Material of gloves**
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.11 mm
· **Penetration time of glove material**
Value for the permeation: Level ≤ 1 (10 min)
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:**
Safety glasses
use against the effects of fumes / dust
· **Body protection:** Protective work clothing

· **Limitation and supervision of exposure into the environment:** No further relevant information available.

9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**	
· **Appearance:**	
Form / Physical state:	Tablets
Color:	White
· **Odor:**	Odorless
· **Odor threshold:**	Not applicable.
· **pH-value (13 g/l) at 20°C (68°F):**	6.3
· **Melting point/freezing point:**	Not determined.
· **Initial boiling point and boiling range:**	Not determined.
· **Flash point:**	Not applicable.
· **Flammability (solid, gas):**	The product is not combustible.
· **Ignition temperature:**	Not applicable.
· **Decomposition temperature:**	Not determined.
· **Auto-ignition temperature:**	Product is not self-igniting.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Flammability or explosive limits:**	
Lower:	Not applicable.
Upper:	Not applicable.
· **Oxidizing properties:**	none
· **Vapor Pressure:**	Not applicable.
· **Density at 20°C (68°F):**	2.16 g/cm³ (18.03 lbs/gal)
· **Relative density:**	Not determined.
· **Vapor density:**	Not applicable.

(Contd. on page 4)

Safety Data Sheet
according to WHS Regulations

Printing date 04.07.2018 Reviewed on 28.06.2018

Trade name: DPD No.3

(Contd. of page 3)

· **Evaporation rate:**	Not applicable.
· **Solubility(ies)**	
Water:	Soluble.
· **Partition coefficient (n-octanol/water):**	Not applicable.
· **Viscosity:**	Not applicable.
· **Solvent content:**	
Organic solvents:	0.0 %
Solids content:	100.0 %
· **Other information**	No further relevant information available.

10 Stability and Reactivity

· **Reactivity** see section "Possibility of hazardous reactions"
· **Chemical stability** Stable at ambient temperature (room temperature).
· **Possibility of hazardous reactions**
Reacts with alkaline metals.
Reacts with peroxides.
Reacts with acids.
Reacts with oxidizing agents.
--> Forms heat.
· **Conditions to avoid** To avoid thermal decomposition do not overheat.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** see section 5

11 Toxicological Information

· **Information on toxicological effects**
· **Acute toxicity:** Based on available data, the classification criteria are not met.

· **Acute toxicity estimate ($ATE_{(MIX)}$) - Calculation method:**		
Oral	GHS $ATE_{(MIX)}$	2626 mg/kg (.)

· **LD/LC50 values that are relevant for classification:** The following statements refer to the individual components.

· **Primary irritant effect:**
· **on the skin:** Based on available data, the classification criteria are not met.
· **on the eye:** Based on available data, the classification criteria are not met.

· **Sensitization:** Based on available data, the classification criteria are not met.
· **Information on components:** The following applies to iodides in general: Sensitation possible at predisposed persons.

· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):** The following statements refer to the mixture:
· **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.

· **STOT (specific target organ toxicity) -single exposure** Based on available data, the classification criteria are not met.
· **STOT (specific target organ toxicity) -repeated exposure** Based on available data, the classification criteria are not met.
· **Aspiration hazard** Based on available data, the classification criteria are not met.

· **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
Iodide chronic: hypothyroidism
Iodine salts can cause deformity, illness, and death of a fetus.

12 Ecological Information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** .

(Contd. on page 5)

Safety Data Sheet
according to WHS Regulations

Printing date 04.07.2018 Reviewed on 28.06.2018

Trade name: DPD No.3

(Contd. of page 4)

· **Other information:**
Mixture of inorganic compounds.
Methods for the determination of biodegradability are not applicable to inorganic substances.
· **Bioaccumulative potential**
Pow = n-octanol/wasser partition coefficient
log Pow 1-3 = Not worth-mentioning accumulating in organisms.
· **Mobility in soil** No further relevant information available.
· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**
· **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Disposal must be made according to official regulations.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

* 14 Transport information

· **UN-Number**	
· **ADG, IMDG, IATA**	none
· **UN proper shipping name**	
· **ADG, IMDG, IATA**	none
· **Transport hazard class(es)**	
· **ADG, IMDG, IATA**	
· **Class**	none
· **Packing group**	
· **ADG, IMDG, IATA**	none
· **Environmental hazards:**	
· **Marine pollutant:**	No
· **Special precautions for user**	Not applicable.
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
· **Transport/Additional information:**	Not dangerous according to the above specifications.

15 Regulatory information

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

· **Australian Inventory of Chemical Substances (AICS)**
All ingredients are listed.

· **Standard for the Uniform Scheduling of Drugs and Poisons**

CAS: 7447-40-7	potassium chloride	S4

· **Regulation (EC) No 1005/2009 on substances that deplete the ozone layer:**
None of the ingredients is listed.

· **Information about limitation of use:** Not required.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

(Contd. on page 6)

Safety Data Sheet
according to WHS Regulations

Printing date 04.07.2018 Reviewed on 28.06.2018

Trade name: DPD No.3

(Contd. of page 5)

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** 04/07/2018/4

· **Abbreviations and acronyms:**
ICAO: International Civil Aviation Organisation
EC50: effective concentration, 50 percent (in vivo)
OECD: Organisation for Economic Co-operation and Development
STOT: specific target organ toxicity
SE: single exposure
RE: repeated exposure
EC50: half maximal effective concentration
IC50: hallf maximal inhibitory concentration
NOEL or NOEC: No Observed Effect Level or Concentration
ACGIH® - American Conference of Governmental Industrial Hygienists
•A1 - Confirmed human carcinogen
•A2 - Suspected human carcinogen
•A3 - Confirmed animal carcinogen with unknown relevance to humans
•A4 - Not classifiable as a human carcinogen
•A5 - Not suspected as a human carcinogen
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

· **Sources**
Data arise from safety data sheets, reference works and literature.
Data arise from safety data sheets, reference works and literature.
ECOTOX Database
GESTIS- Stoffdatenbank (Substance Database, Germany)

· *** Data compared to the previous version altered.**