Safety Data Sheet
according to GHS version 7

Printing date 09.03.2023 *Version number 1* *Revision: 09.03.2023*

*
1 Identification

· **Product identifier**

· **Trade name: Omni-Pulse**

· **Article number:** DAUP0052
· **Relevant identified uses of the substance or mixture and uses advised against** Liquid fertiliser
· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Company: Omnia Specialities Australia Pty Ltd
Address: Tramway Road
MORWELL VIC 3840
Telephone Number: +61-3 5133 9118
Facsimile Number: +61-3 5133 9114

· **Further information obtainable from:** info@omnia.net.au
· **Emergency telephone number:**
ISS First Response
+61 3 8796 3688

*
2 Hazard(s) Identification

· **Classification of the substance or mixture**

health hazard

Repr. 1B H360 May damage fertility or the unborn child.

corrosion

Met. Corr.1 H290 May be corrosive to metals.
Eye Dam. 1 H318 Causes serious eye damage.

environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

Acute Tox. 4 H332 Harmful if inhaled.
Skin Irrit. 2 H315 Causes skin irritation.

Acute Tox. 5 H303 May be harmful if swallowed.
Aquatic Acute 2 H401 Toxic to aquatic life.

· **Label elements**
· **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).

(Contd. on page 2)

Safety Data Sheet
according to GHS version 7

Printing date 09.03.2023 *Version number 1* *Revision: 09.03.2023*

Trade name: Omni-Pulse

(Contd. of page 1)

· ***Hazard pictograms***

GHS05 GHS07 GHS08 GHS09

· ***Signal word*** *Danger*

· ***Hazard-determining components of labelling:***
Technical Grade Phosphoric acid
Disodium octaborate tetrahydrate
Zinc sulphate monohydrate
Manganese Sulphate Monohydrate
· ***Hazard statements***
H290 May be corrosive to metals.
H303 May be harmful if swallowed.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H360 May damage fertility or the unborn child.
H411 Toxic to aquatic life with long lasting effects.
· ***Precautionary statements***
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read carefully and follow all instructions.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
· ***Other hazards***
· ***Results of PBT and vPvB assessment***
· ***PBT:*** *Not applicable.*
· ***vPvB:*** *Not applicable.*

*
3 Composition and Information on Ingredients

· ***Chemical characterisation: Mixtures***
· ***Description:*** *Mixture of substances listed below with nonhazardous additions.*

· ***Dangerous components:***		
CAS: 7664-38-2 *EINECS: 231-633-2*	*Technical Grade Phosphoric acid* *Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318* *Acute Tox. 4, H302; Acute Tox. 4, H332* *Acute Tox. 5, H313*	*>15-20%*
CAS: 7446-19-7 *EINECS: 231-793-3*	*Zinc sulphate monohydrate* *Eye Dam. 1, H318* *Aquatic Acute 1, H400; Aquatic Chronic 1, H410* *Acute Tox. 4, H302*	*>5-10%*

(Contd. on page 3)

Safety Data Sheet
according to GHS version 7

Printing date 09.03.2023 *Version number 1* *Revision: 09.03.2023*

Trade name: Omni-Pulse

(Contd. of page 2)

CAS: 7778-77-0 *EINECS: 231-913-4*	*potassium dihydrogenorthophosphate* *Acute Tox. 5, H303*	*>5-10%*
CAS: 10034-96-5 *EINECS: 232-089-9*	*Manganese Sulphate Monohydrate* *STOT RE 2, H373* *Eye Dam. 1, H318* *Aquatic Chronic 2, H411* *Acute Tox. 4, H332* *Acute Tox. 5, H303; Aquatic Acute 3, H402*	*>5-10%*
CAS: 12280-03-4	*Disodium octaborate tetrahydrate* *Repr. 1B, H360* *Acute Tox. 4, H332* *Acute Tox. 5, H303; Acute Tox. 5, H313*	*>1-5%*
CAS: 7758-99-8 *EINECS: 231-847-6*	*copper sulphate pentahydrate* *Eye Dam. 1, H318* *Aquatic Acute 1, H400; Aquatic Chronic 1, H410* *Acute Tox. 4, H302*	*0.3-1%*

· ***Additional information:*** *For the wording of the listed hazard phrases refer to section 16.*
· ***Other hazards that do not result in classification*** *None*

*

4 First Aid Measures

· ***Description of first aid measures***
· ***After inhalation:***
Move the injured person to fresh air at once. Keep patient warm and at rest. Obtain medical attention.
· ***After skin contact:***
Remove contaminated clothing and wash skin with plenty of water. Obtain medical attention.
· ***After eye contact:***
Immediately irrigate the eyes with eye wash solution or clean water for at least 10 minutes. Continue intermittent irrigation until medical attention can be obtained. Hold eyelids open during flushing
· ***After swallowing:***
Do not induce vomiting. If the person is conscious, wash out mouth and give 2 to 3 glasses water or milk to drink. Immediately obtain medical attention.
· ***Information for doctor:***
Show the SDS to the doctor/physician.
This product contains a component or components that may affect reproductivity or the unborn child. Refer to section 3 for component(s) and quantitie(s).
Treat symptomatically
· ***Most important symptoms and effects, both acute and delayed***
May cause reversable damage to the skin - erythema, oedema or inflammation.
May induce reversable eye irritation – conjunctival redness or oedema, iritis or corneal opacity.
Can cause corrosion and damage to the gastro-intestinal tract or ulceration. May cause pain in the throat and stomach. May cause difficulty swallowing, thirst, nausea, vomiting and diarrhea.
Acid mists may cause throat and lung irritation. Irritation may lead to chemical pneumonitis and pulmonary edema. May cause breathing difficulty.
An overdose of Zinc sulphate may cuase profuse sweating, decreased consciousness, blurred vision, tachycardia, hypothermia, hyperamylasemia, hypotension, pulmonary edema, diarrhea, vomiting, jaundice, oliguria.
May cause damage to the Central nervous system through repeated exposure
· ***Hazards***
In case fertilizer spilled on equipment or surfaces, rinse off speedily and prevent drying. Dried material will cause immediate blistering on contact with sensitive skin.
· ***Indication of any immediate medical attention and special treatment needed***
Do first aid as indicated, then, when seeking medical attention, show this SDS to the physician.

(Contd. on page 4)

Safety Data Sheet
according to GHS version 7

Printing date 09.03.2023 *Version number 1* *Revision: 09.03.2023*

Trade name: Omni-Pulse

(Contd. of page 3)

*
5 Fire Fighting Measures

· ***Extinguishing media***
· ***Suitable extinguishing agents:***
Water
CO2 or dry chemical
· ***Special hazards arising from the substance or mixture*** *Contact with metals may release Hydrogen gas*
· ***Advice for firefighters***
If tank, rail car or tank truck is involved in fire, isolate for 800 m in all directions and consider evacuation for 800 meters in all directions.
Small Fire
Water spray, dry chemical or CO2
Large fire
Water spray, dry chemical, CO2, alcohol resistant foam.
If it can be done safely, move undamaged containers away from the area around the fire
Fire involving tanks or car/trailer loads
Fight fire from maximum distance or use unmanned master steam devices or monitor nozzles.
Cool containers with flooding quantities of water until well after fire is out.
Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
ALWAYS stay away from tanks engulfed in fire.
Dike runoff from fire control for later disposal.
· ***Protective equipment:***
Wear corrosion resistant protective suit as well as eye protection, face mask and independant breathing apparatus.

*
6 Accidental Release Measures

· ***Personal precautions, protective equipment and emergency procedures***
Isolate spill or leak in all directions for at least 50 meters if there is no fire. If there is a fire, refer to section 5.
Increase the immediate precautionary measure distance, in the downwind direction, as necessary.
· ***Environmental precautions:***
Do not allow to enter waterways or sewage systems. Dam liquid up by dyking or absorb with neutralzing material. If liquid enters water courses, inform authorities. Smaller amounts may harm animals drinking the water and larger amounts may cause eutrophication. If a large amount entered a small body of water, the pH may be decreased and organisms may be affected.
· ***Methods and material for containment and cleaning up:***
Contain liquid ahead of spill. Absorb liquid with neutralizing agent or soil or other absorbant. Neutralize absorbed liquid before disposal if not absorbed onto neutralizing agent. If liquid leached into soil, collect contaminated soil and neutralize.
Shovel into drums for disposal. Do not flush spilled material into drains. Do not let vehicle drive over the spilled liquid. Dispose contaminated material according to section 13.
In case fertilizer spilled on equipment or surfaces, especially those made from metal, rinse off speedily and prevent drying. Corrosion will increase as liquid concentrates up when drying.
· ***Reference to other sections***
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

*
7 Handling and Storage

· ***Handling:***
· ***Precautions for safe handling***
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.

(Contd. on page 5)

Safety Data Sheet
according to GHS version 7

Printing date 09.03.2023 *Version number 1* *Revision: 09.03.2023*

Trade name: Omni-Pulse

(Contd. of page 4)

Avoid contact with skin, eyes and clothes. Wear protective clothing including chemical goggles, acid resistant protective suite and boots and acid resistant gloves.
In case fertilizer spilled on equipment or surfaces, rinse off speedily and prevent drying. Dried material will cause immediate blistering on contact with sensitive skin

· ***Information about fire - and explosion protection:***
Keep away from open flames, electrical equipment (lights, cables, etc.), static electricity, electrical sparks, heat etc. No smoking.
Keep away from heat, fire, metals and potential ignition sources. Do not smoke.

· ***Conditions for safe storage, including any incompatibilities***
· ***Storage:***
· ***Requirements to be met by storerooms and receptacles:***
Ensure sufficient ventilation and that space is cool and dry. Ensure eyewash station and safety showers is near workstations. Ensure sufficient fire fighting water is available. Ensure containers stay closed.
Ensure sufficient fire fighting water and that run-off from fire fighting will not enter surface or ground water.
Large storage tanks should be bunded and electrically grounded.
Avoid using glass or unprotected steel containers.
Store locked up if possible and out of reach of children.
· ***Information about storage in one common storage facility:***
Do not store together with alkalies, metals, combustible materials and foodstuffs.
· ***Further information about storage conditions:***
Keep container tightly sealed in a dry well-ventilated place.
In case fertilizer spilled on equipment or surfaces, especially those made from metal, rinse off speedily and prevent drying. Corrosion will increase as liquid concentrates up when drying.
· ***Specific end use(s)*** *For use in agriculture.*

*
8 Exposure controls and personal protection

· ***Additional information about design of technical facilities:***
Ensure eyewash stations and safety showers are close to the workstation location.

· ***Control parameters***
· ***Ingredients with limit values that require monitoring at the workplace:***
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· ***Additional information:*** *The lists valid during the making were used as basis.*

· ***Exposure controls***
· ***Personal protective equipment:***
· ***General protective and hygienic measures:***
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Store protective clothing separately.
· ***Respiratory protection:***
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
· ***Protection of hands:***

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· ***Material of gloves***
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the

(Contd. on page 6)

Safety Data Sheet
according to GHS version 7

Printing date 09.03.2023 Version number 1 Revision: 09.03.2023

Trade name: Omni-Pulse

(Contd. of page 5)

application.
· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Wear acid resistant protective work clothing and boots.

*

9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Liquid
Colour:	Greenish Brown
· **Odour:**	Slight Pungent
· **Odour threshold:**	Not determined.
· **pH-value at 20 °C:**	3.4
· **Change in condition**	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.
· **Flash point:**	Not applicable.
· **Flammability (solid, gas):**	Not applicable.
· **Decomposition temperature:**	Not determined.
· **Auto-ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· **Explosion limits:**	
Lower:	Not determined.
Upper:	Not determined.
· **Vapour pressure:**	Not determined.
· **Density at 20 °C:**	1.35 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	Not determined.
· **Evaporation rate**	Not determined.
· **Solubility in / Miscibility with water:**	Fully miscible.
· **Partition coefficient: n-octanol/water:**	Not determined.
· **Viscosity:**	
Dynamic:	Not determined.
Kinematic:	Not determined.
· **Solvent content:**	
Water:	43.5 %
VOC (EC)	0.00 %

(Contd. on page 7)

Safety Data Sheet
according to GHS version 7

Printing date 09.03.2023 Version number 1 Revision: 09.03.2023

Trade name: Omni-Pulse

(Contd. of page 6)

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

*
10 Stability and Reactivity

· **Reactivity** No further relevant information available.
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:** May decompose on heating
· **Possibility of hazardous reactions**
May react with alkalies to produce heat and with metals to produce flammable gasses.
· **Conditions to avoid**
Incompatibles and extreme temperatures.
Spilling material on metal surfaces and especially leaving material on surfaces to concentrate up, may corrode surfaces.
· **Incompatible materials:**
Alkalies and metals, aluminium, copper, mild steel and bronze.
Aluminium in contact with these liquids causes the liquids to gel.
· **Hazardous decomposition products:**
Ammonia
Sulphur dioxide
Carbon monoxide and carbon dioxide

*
11 Toxicological Information

· **Information on toxicological effects**
· **Acute toxicity**

· **LD/LC50 values relevant for classification:**		
7664-38-2 Technical Grade Phosphoric acid		
Oral	LD50	1,530 mg/kg (rat)
Dermal	LD50	2,740 mg/kg (rabbit)
Inhalative	LC50 4 h	1.071 mg/l (rat) NIOSH derived value

· **Primary irritant effect:**
· **Skin corrosion/irritation** Irritant to skin and mucous membranes.
· **Serious eye damage/irritation** Strong caustic effect.
· **Respiratory or skin sensitisation** No sensitising effects known.
· **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Corrosive
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
Repr. 1B

*
12 Ecological Information

· **Toxicity**
· **Aquatic toxicity:**
May cause long lasting harmful effects to aquatic life
Smaller amounts that enters waterways may harm animals drinking the water and larger amounts may cause eutrophication. If a large amount entered a small body of water, the pH may be decreased and organisms may be affected.

(Contd. on page 8)

Safety Data Sheet
according to GHS version 7

Printing date 09.03.2023 Version number 1 Revision: 09.03.2023

Trade name: Omni-Pulse

(Contd. of page 7)

7664-38-2 Technical Grade Phosphoric acid	
LC 50 96hr immersed	3.5 mg/l (Lepomis cyanellus (Green Sunfish))
EC50 12hr	4.6 pH (Daphnia magnus)

· **Persistence and degradability** Freely dissociates. All components may become part of natural mineral cycles.
· **Behaviour in environmental systems:**
· **Bioaccumulative potential**
May contribute to the eutrophication of water bodies.
May accumulate in soils and water bodies and possibly in life forms.
· **Mobility in soil** Low volatility. Soluble in water.
· **Ecotoxical effects:**
· **Remark:** Toxic for fish
· **Additional ecological information:**
· **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**
· **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
If uncontaminated, recycle to process or neutralize and dispose on suitable farmland in suitable quantities. If contaminated, consult with supplier as to best course of action.

· **Uncleaned packaging:**
· **Recommendation:** Empty containers must be thoroughly cleaned before re-use.
· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

*

14 Transport information

· **UN-Number**
· **ADG, IMDG, IATA** UN3264

· **UN proper shipping name**
· **ADG** UN3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., ENVIRONMENTALLY HAZARDOUS
· **IMDG, IATA** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID, SOLUTION), ENVIRONMENTALLY HAZARDOUS

· **Transport hazard class(es)**

· **ADG**

· **Class** 8 (C1) Corrosive substances.

(Contd. on page 9)

Safety Data Sheet
according to GHS version 7

Printing date 09.03.2023 Version number 1 Revision: 09.03.2023

Trade name: Omni-Pulse

(Contd. of page 8)

· **Label**	8
· **IMDG, IATA**	
· **Class**	8 Corrosive substances.
· **Label**	8
· **Packing group**	
· **ADG, IMDG, IATA**	II
· **Environmental hazards:**	
· **Special marking (ADG):**	Symbol (fish and tree)
· **Special precautions for user**	Warning: Corrosive substances.
· **Hazard identification number (Kemler code):**	80
· **EMS Number:**	F-A,S-B
· **Segregation groups**	Acids
· **Stowage Category**	B
· **Stowage Code**	SW2 Clear of living quarters.
· **Segregation Code**	SG36 Stow "separated from" SGG18-alkalis. SG49 Stow "separated from" SGG6-cyanides
· **ERG No.**	154
· **Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· **Transport/Additional information:**	
· **ADG**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· **Transport category**	2
· **Tunnel restriction code**	E
· **IMDG**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· **UN "Model Regulation":**	UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., 8, II, ENVIRONMENTALLY HAZARDOUS

*

15 Regulatory information

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

· **Australian Inventory of Industrial Chemicals**	
	DE-IONISED WATER
	Water
57-13-6	urea
10034-96-5	Manganese Sulphate Monohydrate
64-02-8	Na4 EDTA

(Contd. on page 10)

Safety Data Sheet
according to GHS version 7

Printing date 09.03.2023 *Version number 1* *Revision: 09.03.2023*

Trade name: Omni-Pulse

(Contd. of page 9)

7758-99-8	copper sulphate pentahydrate
7782-63-0	IRON SULPHATE HEPTAHYDRATE
1313-30-0	sodium phosphomolybdate
10102-40-6	Sodium Molybdate

· **Standard for the Uniform Scheduling of Medicines and Poisons**		
7664-38-2	Technical Grade Phosphoric acid	S5, S6
7446-19-7	Zinc sulphate monohydrate	S6

· ***GHS label elements***
The product is classified and labelled according to the Globally Harmonised System (GHS).
· ***Hazard pictograms***

GHS05 GHS07 GHS08 GHS09

· ***Signal word*** *Danger*

· ***Hazard-determining components of labelling:***
Technical Grade Phosphoric acid
Disodium octaborate tetrahydrate
Zinc sulphate monohydrate
Manganese Sulphate Monohydrate
· ***Hazard statements***
H290 May be corrosive to metals.
H303 May be harmful if swallowed.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H360 May damage fertility or the unborn child.
H411 Toxic to aquatic life with long lasting effects.
· ***Precautionary statements***
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read carefully and follow all instructions.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· ***Directive 2012/18/EU***
· ***Named dangerous substances - ANNEX I*** *None of the ingredients is listed.*
· ***Seveso category*** *E2 Hazardous to the Aquatic Environment*
· ***Qualifying quantity (tonnes) for the application of lower-tier requirements*** *200 t*
· ***Qualifying quantity (tonnes) for the application of upper-tier requirements*** *500 t*
· ***Chemical safety assessment:*** *A Chemical Safety Assessment has not been carried out.*

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.

· ***Relevant phrases***
H290 May be corrosive to metals.
H302 Harmful if swallowed.

(Contd. on page 11)

Safety Data Sheet
according to GHS version 7

Printing date 09.03.2023 *Version number 1* *Revision: 09.03.2023*

Trade name: Omni-Pulse

(Contd. of page 10)

H303 May be harmful if swallowed.
H313 May be harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H360 May damage fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H402 Harmful to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

· ***Contact:***

· ***Abbreviations and acronyms:***

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
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)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Met. Corr.1: Corrosive to metals – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 5: Acute toxicity – Category 5
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Repr. 1B: Reproductive toxicity – Category 1B
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2
Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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