

SAFETY DATA SHEET



1. Identification

Product identifier	Supona® Buffalo Fly Insecticide
Other means of identification	
Synonyms	SUPONA * Chlorfenvinphos solution
Recommended use of the chemical and restrictions on use	
Recommended use	Veterinary Organophosphate insecticide.
Restrictions on use	Not for human use
Details of manufacturer or importer	
Manufacturer	
Company Name (AU)	Zoetis Australia Pty Ltd ABN 94 156 476 425 Level 6, 5 Rider Boulevard Rhodes NSW 2138 AUSTRALIA
Tel	1800 814 883
Fax	(02) 8876 0444
Email	australia.animalhealth@zoetis.com
Emergency Phone	1800 814 883 (all hours)
Police and Fire Brigade	Dial 000
If ineffective	Dial Poisons Information Centre (13 1126 from anywhere in Australia)

2. Hazard(s) identification

Classification of the hazardous chemical

Physical hazards	Flammable liquids	Category 3
Health hazards	Acute toxicity, oral	Category 2
	Acute toxicity, dermal	Category 2
	Acute toxicity, inhalation	Category 2
	Germ cell mutagenicity	Category 1B
	Carcinogenicity	Category 1B
	Specific target organ toxicity following single exposure	Category 2 (nervous system)
	Specific target organ toxicity following repeated exposure	Category 2 (nervous system, Adrenal gland)
	Aspiration hazard	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1

Label elements, including precautionary statements

Hazard symbol(s)



Flame

Skull and crossbones

Health hazard

Environment

Signal word

Danger

Hazard Statement(s) Flammable liquid and vapour. Fatal if swallowed. May be fatal if swallowed and enters airways. Fatal in contact with skin. Fatal if inhaled. May cause genetic defects. May cause cancer. May cause damage to organs (nervous system). May cause damage to organs (nervous system, Adrenal gland) through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe vapour. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing. Wear protective gloves/eye protection/face protection. Wear respiratory protection.

Response

Get medical advice/attention if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTRE or doctor/physician. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use appropriate media for extinction. Collect spillage.

Storage

Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards which do not result in classification

None known.

Supplemental information

May cause eye irritation. May cause skin irritation. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. Organophosphate insecticide. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage.

3. Composition/information on ingredients

Mixture

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
Petroleum solvent	64742-95-6	60-65
Chlorfenvinphos	470-90-6	20
2-benzyl 4-chlorophenol	120-32-1	<10
N-Butyl Alcohol	71-36-3	<3

4. First-aid measures

Description of necessary first aid measures

Inhalation Move to fresh air. For breathing difficulties, oxygen may be necessary. Call a physician or poison control centre immediately.

Skin contact Take off immediately all contaminated clothing. Wash the skin immediately with soap and water. Call a physician or poison control centre immediately. Wash contaminated clothing before reuse.

Eye contact Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Continue rinsing. Get medical attention immediately.

Ingestion IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Rinse mouth. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Personal protection for first-aid responders

For personal protection, see section 8. IF exposed or concerned: Get medical advice/attention. Take off immediately all contaminated clothing. Show this safety data sheet to the doctor in attendance. Discard any shoes or clothing items that cannot be decontaminated.

Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

Symptoms caused by exposure	May cause eye irritation. Exposed may experience eye tearing, redness, and discomfort. May cause skin irritation. Signs and symptoms might include skin rash, itching, redness or swelling. Aspiration may cause pulmonary oedema and pneumonitis. May cause central nervous system effects. Dizziness. Narcosis. Behavioural changes. Decrease in motor functions. Effects of organophosphate exposure include tightness in chest, difficulty breathing, wheezing, increased tearing and salivation, sweating, frequent urination, constriction of pupils, nausea, vomiting, abdominal cramps, diarrhea, fatigue, weakness, involuntary twitching, pallor, decreased heart rate, and decreased blood pressure. Additional nervous system effects include headache, restlessness, slurred speech, tremors, loss of reflexes, and incoordination. Gross overexposure may result in convulsions, seizures, coma, or death due to respiratory failure. Effects can be immediate or delayed. Prolonged exposure may cause chronic effects.
Medical attention and special treatment	Organophosphate insecticide. Monitor respiratory, cardiac and central nervous system. Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for fire fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Hazchem Code

3W

General fire hazards

Flammable liquid and vapour. Vapors will form flammable or explosive mixtures with air at room temperature. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Fine particles (such as mists) may fuel fires/explosions. Flammable Category 3 (GHS); Flammable (AS1940)

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

For emergency responders ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unnecessary personnel away. Ensure adequate ventilation. Ventilate the contaminated area. Do not breathe mist or vapour. Do not get in eyes, on skin, or on clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protection recommended in Section 8 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up

Ensure adequate ventilation. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Ground container and transfer equipment to eliminate static electric sparks. Keep combustibles (wood, paper, oil etc) away from spilled material. Use water spray to reduce vapours or divert vapour cloud drift. Avoid release to the environment. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean surface thoroughly to remove residual contamination.

Small Spills: Absorb spillage with non-combustible, absorbent material. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling

Flammable liquid and vapour. Very toxic. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Should be handled in closed systems, if possible. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. Ground container and transfer equipment to eliminate static electric sparks. Use non-sparking tools when opening or closing containers. Do not breathe mist or vapour. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. When using, do not eat, drink or smoke. Use this product with adequate ventilation. Use only outdoors or in a well-ventilated area. wear personal protective equipment. Wash thoroughly after handling. Avoid release to the environment. Do not empty into drains. Observe good industrial hygiene practices. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in a place accessible by authorised persons only. Store in tightly closed original container in a dry, cool and well-ventilated place. < 30C/86F. Do not store in direct sunlight. Do not allow material to freeze. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Keep in an area equipped with sprinklers. Use appropriate container to avoid environmental contamination. Store away from incompatible materials (see Section 10 of the SDS). Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

8. Exposure controls and personal protection

Control parameters

Follow standard monitoring procedures.

Occupational exposure limits

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

Components	Type	Value
N-Butyl Alcohol (CAS 71-36-3)	Ceiling	152 mg/m ³
		50 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
N-Butyl Alcohol (CAS 71-36-3)	TWA	20 ppm

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
N-Butyl Alcohol (CAS 71-36-3)	STEL	154 mg/m ³
		50 ppm

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value
N-Butyl Alcohol (CAS 71-36-3)	TWA	310 mg/m ³
		100 ppm

Biological limit values

Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling time
N-Butyl Alcohol (CAS 71-36-3)	2 mg/g	1-Butanol (nach Hydrolyse)	Creatinine in urine	*
	10 mg/g	1-Butanol (nach Hydrolyse)	Creatinine in urine	*

* - For sampling details, please see the source document.

Exposure guidelines

No exposure standards allocated.

Australia OELs: Skin designation

N-Butyl Alcohol (CAS 71-36-3)

Can be absorbed through the skin.

Control banding approach	Chlorfenvinphos: Zoetis OEB 4 - Skin (control exposure to the range of >1ug/m3 to <10ug/m3, provide additional precautions to protect from skin contact)
Appropriate engineering controls	Ensure adequate ventilation, especially in confined areas. Provide adequate general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Keep air contamination levels below the exposure limits or within the OEB range listed above in this section. Eye wash facilities and emergency shower must be available when handling this product.
Individual protection measures, for example personal protective equipment (PPE)	
Eye/face protection	Chemical goggles and face shield are recommended.
Skin protection	
Hand protection	Impervious gloves. Wear impervious, disposable gloves as minimum protection (double recommended). Suitable gloves can be recommended by the glove supplier.
Other	Avoid exposure - obtain special instructions before use. Wear appropriate chemical resistant clothing. Wear impervious protective clothing to prevent skin contact - consider use of disposable clothing where appropriate.
Respiratory protection	Avoid exposure - obtain special instructions before use. In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection should be provided in instances where exposure to dust, mists, aerosols or vapors are likely. If airborne exposures are within or exceed the OEB, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEB range. Respiratory protection should be worn to supplement engineering controls when handling this compound. Chemical respirator with organic vapour cartridge, full facepiece, dust and mist filter. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	Do not get in eyes, on skin, on clothing. When using, do not eat, drink or smoke. Keep away from food and drink. Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Strict control of access to the working area is essential.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid.
Colour	amber
Odour	Mild Solvent
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	160 - 170 °C (320 - 338 °F) @ 1 atm.
Flash point	43.0 °C (109.4 °F)
Evaporation rate	Not available.
Flammability (solid, gas)	not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit – upper (%)	Not available.
Vapour pressure	Not available.

Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other physical and chemical parameters	
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Specific gravity	0.96

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials. Keep away from heat, spark, open flames and other sources of ignition. Protect from sunlight.
Incompatible materials	Strong oxidising agents. Strong acids. Bases. Combustible material.
Hazardous decomposition products	Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Carbon oxides. Oxides of phosphorus. Chlorine compounds. May include hydrogen chloride.

11. Toxicological information

Information on possible routes of exposure

Inhalation	Fatal if inhaled. May cause damage to organs by inhalation.
Skin contact	Fatal in contact with skin. May be absorbed through the skin and cause systemic effects.
Chlorfenvinphos	Species: Guinea Pig Severity: Non-irritating
N-Butyl Alcohol	Species: Rabbit Severity: Irritant
Chlorfenvinphos	Species: Rabbit Severity: Non-irritating
Eye contact	May cause eye irritation.
N-Butyl Alcohol	Species: Rabbit Severity: Severe
Ingestion	Fatal if swallowed. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms related to exposure	May cause eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. Signs and symptoms might include skin rash, itching, redness or swelling. May cause central nervous system effects. Narcosis. Dizziness. Behavioural changes. Decrease in motor functions. Effects of organophosphate exposure include tightness in chest, difficulty breathing, wheezing, increased tearing and salivation, sweating, frequent urination, constriction of pupils, nausea, vomiting, abdominal cramps, diarrhea, fatigue, weakness, involuntary twitching, pallor, decreased heart rate, and decreased blood pressure. Additional nervous system effects include headache, restlessness, slurred speech, tremors, loss of reflexes, and incoordination. Gross overexposure may result in convulsions, seizures, coma, or death due to respiratory failure. Effects can be immediate or delayed. Aspiration may cause pulmonary oedema and pneumonitis.
Acute toxicity	Fatal if inhaled. Fatal in contact with skin. Fatal if swallowed.

Product	Species	Test results
Supona® Buffalo Fly Insecticide		
<u>Acute</u>		
Dermal		
LD50	Rat	155 mg/kg (Calculated ATE)
Inhalation		
LC50	Rat	0.25 mg/l (Calculated ATE)
Oral		
LD50	Rat	50 mg/kg (Calculated ATE)
Components		
Species		
Test results		
2-benzyl 4-chlorophenol (CAS 120-32-1)		
<u>Acute</u>		
Oral		
LD50	Mouse	65 mg/kg
	Rat	1700 mg/kg
Chlorfenvinphos (CAS 470-90-6)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	400 mg/kg
	Rat	31 - 108 mg/kg
Inhalation		
LC50	Rat	0.05 mg/l, 4 Hours
Oral		
LD50	Mouse	117 mg/kg
	Rat	10 mg/kg
<u>Chronic</u>		
Oral		
LOEL	Rat	0.5 mg/kg/day, 2 years Cholinesterase inhibition
NOEL	Mouse	0.15 mg/kg/day, 90 weeks Cholinesterase inhibition
<u>Subacute</u>		
Dermal		
NOEL	Guinea Pig	0.1 mg/kg/day, 14 days Cholinesterase inhibition
<u>Subchronic</u>		
Oral		
NOAEL	Rat	0.05 mg/kg/day, 12 weeks Cholinesterase inhibition
N-Butyl Alcohol (CAS 71-36-3)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	3400 mg/kg
Inhalation		
LC50	Rat	8000 ppm, 4 Hours
Oral		
LD50	Rat	2292 mg/kg
		790 mg/kg

Components	Species	Test results
Petroleum solvent (CAS 64742-95-6)		
Acute		
Inhalation		
LC50	Rat	61 mg/l, 4 Hours
Oral		
LD50	Rat	> 25 ml/kg
Skin corrosion/irritation	May cause skin irritation. Due to partial or complete lack of data the classification is not possible.	
Corrosivity		
Chlorfenvinphos		Species: Guinea pig Severity: Non-irritating
		Species: Rabbit Severity: Non-irritating
Serious eye damage/irritation	May be irritating to eyes. Due to partial or complete lack of data the classification is not possible.	
Eye contact		
N-Butyl Alcohol		Species: Rabbit Severity: Severe
Respiratory or skin sensitisation		
Respiratory sensitisation	Not a respiratory sensitizer.	
Skin sensitisation	This product is not expected to cause skin sensitisation.	
Germ cell mutagenicity	May cause genetic defects.	
Mutagenicity		
Chlorfenvinphos		Chromosome Aberration Result: negative Species: Hamster Bone marrow
		Dominant Lethal Assay Result: negative Species: Mouse
		In Vitro Bacterial Mutagenicity (Ames) Result: negative Species: Salmonella , E. coli
Carcinogenicity	May cause cancer.	
Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.	
Developmental effects		
Chlorfenvinphos		3 mg/kg/day Embryo / Fetal Development, Not Teratogenic Result: NOEL Species: Rat Organ: Oral
Reproductivity		
Chlorfenvinphos		0.05 mg/kg/day 2 Generation Reproductive Toxicity, Embryotoxicity Result: NOAEL Species: Rat Organ: Oral
Specific target organ toxicity - single exposure	May cause damage to organs (nervous system).	
Specific target organ toxicity - repeated exposure	May cause damage to organs (nervous system, Adrenal gland) through prolonged or repeated exposure.	
Aspiration hazard	May be fatal if swallowed and enters airways.	
Chronic effects	May cause damage to organs through prolonged or repeated exposure.	

Other information Organophosphate insecticide. Danger of very serious irreversible effects. Avoid exposure - obtain special instructions before use.

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects. Avoid release to the environment.

Components		Species	Test results	
Chlorfenvinphos (CAS 470-90-6)	EC50	Daphnia magna (Water Flea)	0.0003 mg/l, 48 Hours	
	LC50	Oncorhynchus mykiss (Rainbow Trout)	0.1 mg/l, 96 Hours	
	Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	0.017 - 0.031 mg/l, 96 hours	
		Fish	0.039 mg/l, 96 Hours (Tilapia)	
			0.025 mg/l, 96 Hours (Carp)	
N-Butyl Alcohol (CAS 71-36-3)	Aquatic			
	Crustacea	EC50	Water flea (Daphnia magna)	1897 - 2072 mg/l, 48 hours
	Fish	LC50	Bluegill (Lepomis macrochirus)	100 - 500 mg/l, 96 hours
Petroleum solvent (CAS 64742-95-6)	Aquatic			
	Crustacea	EC50	Water flea (Daphnia pulex)	2.7 - 5.1 mg/l, 48 hours
	Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)	8.8 mg/l, 96 hours
				8.8 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

**Partition coefficient
n-octanol / water (log Kow)**

Chlorfenvinphos 3.82

Mobility in soil no data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal methods Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater. Dispose of contents/container in accordance with local/regional/national/international regulations. Contract with a disposal operator licensed by the Law on Disposal and Cleaning.

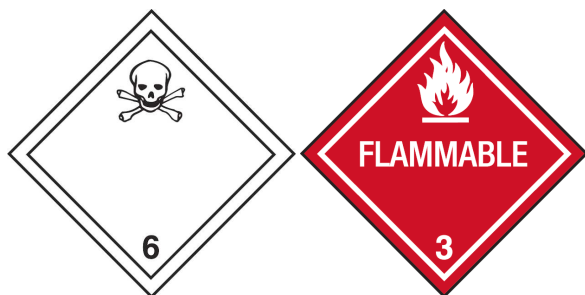
Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal

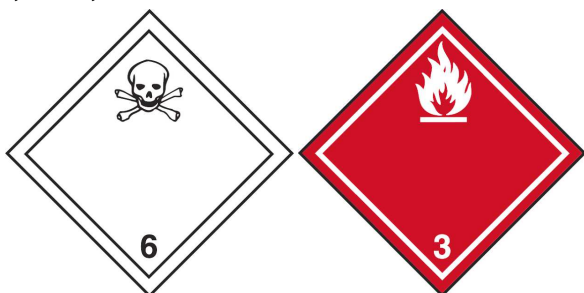
14. Transport information

ADG

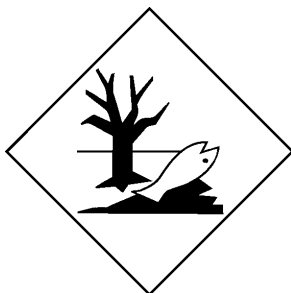
UN number	3017
UN proper shipping name	Organophosphorous pesticide, liquid, toxic, flammable (Chlorfenvinphos, Petroleum solvent)

Transport hazard class(es)**Class** 6.1**Subsidiary risk** 3**Packing group** II**Environmental hazards** Not available.**Hazchem Code** 3W**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**RID****UN number** 3017**UN proper shipping name** Organophosphorous pesticide, liquid, toxic, flammable (Chlorfenvinphos, Petroleum solvent)**Transport hazard class(es)****Class** 6.1**Subsidiary risk** 3**Packing group** II**Environmental hazards** Yes**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**IATA****UN number** 3017**UN proper shipping name** Organophosphorous pesticide, liquid, toxic, flammable (Chlorfenvinphos, Petroleum solvent)**Transport hazard class(es)****Class** 6.1**Subsidiary risk** 3**Packing group** II**Environmental hazards** No.**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**IMDG****UN number** 3017**UN proper shipping name** Organophosphorous pesticide, liquid, toxic, flammable (Chlorfenvinphos, Petroleum solvent)**Transport hazard class(es)****Class** 6.1**Subsidiary risk** 3**Packing group** II**Environmental hazards****Marine pollutant** Yes (Chlorfenvinphos, Petroleum solvent)**EmS** Not available.**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.**ADG**

IATA; IMDG; RID



Marine pollutant



General information

IMDG Regulated Marine Pollutant. Marine pollutant requirements apply only to quantities >5 Liters for liquids / >5 Kilograms for solids (per inner package) when shipped as per IMDG or ADR (effective year 2015 or greater) regulations. Please refer to the applicable dangerous goods regulations for additional information. Transport according to the requirements of the appropriate regulatory body.

15. Regulatory information

Safety, health and environmental regulations

National regulations

This Safety Data Sheet was prepared in accordance with Australia Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals (23/12/2011).

APVMA No. 45594

Poison Schedule (Product) – Schedule 7

This SDS replaces version: Issued 18 September 2014

Australia Medicines & Poisons Appendix A

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix B

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix C

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix D

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix E

N-Butyl Alcohol (CAS 71-36-3)

Australia Medicines & Poisons Appendix F

N-Butyl Alcohol (CAS 71-36-3)

Australia Medicines & Poisons Appendix G

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix H

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix I

Poisons schedule number not allocated.

For advice, contact a Poisons information Centre (Phone eg Australia 131 - 126; New Zealand 03 - 4747 - 000) or a doctor (at once)., If in eyes wash out immediately with water., If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

applies to all preparations in any concentration Irritant. Attacks eyes - protect eyes when using., Avoid contact with skin., Avoid breathing dust (or) vapour (or) spray mist.

Australia Medicines & Poisons Appendix J

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix K

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 2

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 3

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 4

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 5

N-Butyl Alcohol (CAS 71-36-3)

in preparations Exception was applied to data.

Australia Medicines & Poisons Schedule 6

N-Butyl Alcohol (CAS 71-36-3)

Exception was applied to data.

Australia Medicines & Poisons Schedule 7

Chlorfenvinphos (CAS 470-90-6)

applies to all preparations in any concentration

Australia Medicines & Poisons Schedule 8

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 9

Poisons schedule number not allocated.

High Volume Industrial Chemicals (HVIC)

N-Butyl Alcohol (CAS 71-36-3)

1000 - 9999 TONNES See the regulation for additional information.

Petroleum solvent (CAS 64742-95-6)

10000 - 99999 TONNES See the regulation for additional information.

Importation of Ozone Deleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)

Not listed.

National Pollutant Inventory (NPI) substance reporting list

Not listed.

Prohibited Carcinogenic Substances

Not regulated.

Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)

Not listed.

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)

Not listed.

Restricted Carcinogenic Substances

Not regulated.

International regulations**Stockholm Convention**

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Issue date	10-November-2016
Key abbreviations or acronyms used	ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).
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Revision information	Product and Company Identification: Synonyms Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties Toxicological Information: Toxicological Data Transport Information: Material Transportation Information Regulatory Information: Other GHS: Qualifiers