

SAFETY DATA SHEET

Organochlorine Pesticides Mixture, Part Number 8500-5926

Section 1. Identification

Product identifier : Organochlorine Pesticides Mixture, Part Number 8500-5926**Part no.** : 8500-5926

Relevant identified uses of the substance or mixture and uses advised against

Identified uses :  Reagents and Standards for Analytical Chemistry Laboratory Use
1 ml**Supplier/Manufacturer** : Agilent Technologies Australia Pty Ltd
679 Springvale Road
Mulgrave
Victoria 3170, Australia
1800 802 402**Emergency telephone number (with hours of operation)** : CHEMTREC®: +(61)-290372994

Section 2. Hazard(s) identification

Classification of the substance or mixture

H225	FLAMMABLE LIQUIDS - Category 2
H315	SKIN CORROSION/IRRITATION - Category 2
H400	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
H410	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

GHS label elements

Hazard pictograms :**Signal word** : DANGER**Hazard statements** : H225 - Highly flammable liquid and vapour.
H315 - Causes skin irritation.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention :  P280 - Wear protective gloves.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273 - Avoid release to the environment.
P264 - Wash thoroughly after handling.**Response** : P391 - Collect spillage.**Storage** :  Not applicable.**Disposal** : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements

Additional warning phrases : Not applicable.**Other hazards which do not result in classification** : None known.

Section 3. Composition and ingredient information

Substance/mixture : Mixture

CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
tert-Butyl methyl ether	≥90	1634-04-4
Aldrin (ISO)	≤0.3	309-00-2
Heptachlor (ISO)	≤0.3	76-44-8
Endrin (ISO)	≤0.3	72-20-8
6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide, (3.alpha.,5a.beta.,6.alpha.,9.alpha.,9a.beta.)-	≤0.3	959-98-8
Dieldrin (ISO)	≤0.3	60-57-1
DDT	≤0.3	50-29-3
2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene	≤0.3	72-55-9
Methoxychlor	≤0.3	72-43-5

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

The total concentration of ingredients in this product, reported or not in this section, is 100%.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.

Section 4. First aid measures

Skin contact	: Causes skin irritation.
Ingestion	: No known significant effects or critical hazards.
<u>Over-exposure signs/symptoms</u>	
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.

Specific hazards arising from the chemical	: Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
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Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide
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Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
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Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
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Hazchem code	: •3YE
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Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
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Environmental precautions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Methods for cleaning up : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Protective measures	• Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	• Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls and personal protection

Occupational exposure limits

Ingredient name	Exposure limits
tert-Butyl methyl ether	Safe Work Australia (Australia, 10/2022). TWA: 25 ppm 8 hours. TWA: 92 mg/m ³ 8 hours. STEL: 75 ppm 15 minutes. STEL: 275 mg/m ³ 15 minutes.
Aldrin (ISO)	Safe Work Australia (Australia, 10/2022). Absorbed through skin. TWA: 0.25 mg/m ³ 8 hours.
Heptachlor (ISO)	Safe Work Australia (Australia, 10/2022).

Section 8. Exposure controls and personal protection

Endrin (ISO)	Absorbed through skin. TWA: 0.5 mg/m ³ 8 hours. Safe Work Australia (Australia, 10/2022).
Dieldrin (ISO)	Absorbed through skin. TWA: 0.1 mg/m ³ 8 hours. Safe Work Australia (Australia, 10/2022).
DDT	Absorbed through skin. TWA: 0.25 mg/m ³ 8 hours. Safe Work Australia (Australia, 10/2022).
Methoxychlor	Absorbed through skin. TWA: 1 mg/m ³ 8 hours. Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours.

Biological exposure indices

No exposure indices known.

- Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	: Liquid.		
Colour	: Not available.		
Odour	: Not available.		
Odour threshold	: Not available.		
pH	: Not available.		
Melting point/freezing point	: -109°C (-164.2°F)		
Boiling point, initial boiling point, and boiling range	: 55°C (131°F)		
Flash point	:  Closed cup: -10°C (14°F) [Based on solvent.]		
Evaporation rate	: Not available.		
Flammability	: Not applicable.		
Lower and upper explosion limit/flammability limit	: Not available.		
Vapour pressure	: <table><tr><td></td><td>Vapour Pressure at</td></tr></table>		Vapour Pressure at
	Vapour Pressure at		

Relative vapour density : Not available.

Relative density : Not available.

Solubility(ies)	: <table border="1"> <thead> <tr> <th>Media</th><th>Result</th></tr> </thead> <tbody> <tr> <td> water</td><td>Partially soluble</td></tr> </tbody> </table>	Media	Result	 water	Partially soluble
Media	Result				
 water	Partially soluble				

Miscible with water : No.

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature	:	Ingredient name	°C	°F	Method
		tert-Butyl methyl ether	375	707	-

Decomposition temperature : Not available.

Viscosity : Not available.

Particle characteristics

Median particle size : Not applicable.

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Incompatible materials : Reactive or incompatible with the following materials:
oxidising materials

Section 10. Stability and reactivity

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
tert-Butyl methyl ether	LC50 Inhalation Vapour	Rat	41000 mg/m ³	4 hours
	LC50 Inhalation Vapour	Rat	23576 ppm	4 hours
	LD50 Oral	Rat	4 g/kg	-
Aldrin (ISO)	LD50 Dermal	Rabbit	15 mg/kg	-
	LD50 Dermal	Rat	98 mg/kg	-
	LD50 Oral	Rat	38 mg/kg	-
Heptachlor (ISO)	LD50 Dermal	Rabbit	500 mg/kg	-
6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide, (3.alpha.,5a.beta.,6.alpha.,9.alpha.,9a.beta.)-	LD50 Oral	Rat	76 mg/kg	-
Dieldrin (ISO)	LD50 Oral	Rat	38300 µg/kg	-
DDT	LD50 Dermal	Rabbit	300 mg/kg	-
	LD50 Dermal	Rat	250 mg/kg	-
	LD50 Oral	Rat	87 mg/kg	-
2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene	LD50 Oral	Rat	880 mg/kg	-
Methoxychlor	LD50 Dermal	Rabbit	>6 g/kg	-
	LD50 Dermal	Rat	>6 g/kg	-
	LD50 Oral	Rat	1855 mg/kg	-

Irritation/Corrosion

Not available.

Sensitisation

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene	Category 3	-	Respiratory tract irritation
Methoxychlor	Category 2	-	nervous system

Specific target organ toxicity (repeated exposure)

Section 11. Toxicological information

Name	Category	Route of exposure	Target organs
Aldrin (ISO)	Category 1	-	-
Heptachlor (ISO)	Category 2	-	-
Dieldrin (ISO)	Category 1	-	-
DDT	Category 1	-	-
Methoxychlor	Category 2	-	endocrine, liver

Aspiration hazard

Not available.

Information on likely routes of exposure : Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : Causes skin irritation.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
 pain or irritation
 watering
 redness
Inhalation : No specific data.
Skin contact : Adverse symptoms may include the following:
 irritation
 redness
Ingestion : No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Section 11. Toxicological information

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
tert-Butyl methyl ether	4000	N/A	N/A	41	N/A
Aldrin (ISO)	100	300	N/A	N/A	N/A
Heptachlor (ISO)	100	500	N/A	N/A	N/A
Endrin (ISO)	5	300	N/A	N/A	N/A
6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide, (3.alpha.,5a.beta.,6.alpha.,9.alpha.,9a.beta.)-	76	N/A	N/A	N/A	N/A
Dieldrin (ISO)	100	5	N/A	N/A	N/A
DDT	87	250	N/A	N/A	N/A
2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene	880	300	N/A	3	N/A
Methoxychlor	1855	N/A	N/A	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
tert-Butyl methyl ether	Acute EC50 472 mg/l Fresh water	Daphnia	48 hours
	Acute LC50 672000 µg/l Fresh water	Fish - <i>Pimephales promelas</i>	96 hours
	Chronic NOEC 26 mg/l Marine water	Daphnia	28 days
	Chronic NOEC 3.04 mg/l Fresh water	Fish	21 days
Aldrin (ISO)	Acute LC50 0.21 µg/l Fresh water	Crustaceans - <i>Paratelphusa jacquemontii</i> - Intermolt	48 hours
	Acute LC50 1000 µg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
Heptachlor (ISO)	Acute LC50 1.2 µg/l Fresh water	Fish - <i>Clarias batrachus</i>	96 hours
	Acute EC50 42 µg/l Fresh water	Daphnia - <i>Daphnia pulex</i>	48 hours
	Acute LC50 28 µg/l Marine water	Crustaceans - <i>Crangon septemspinosa</i>	48 hours
Endrin (ISO)	Acute LC50 0.8 µg/l Marine water	Fish - <i>Thalassoma bifasciatum</i>	96 hours
	Acute LC50 0.000011 µg/l Fresh water	Crustaceans - <i>Asellus aquaticus</i> - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Acute LC50 0.000022 µg/l Fresh water	Daphnia - <i>Daphnia pulex</i>	48 hours
	Acute LC50 0.048 µg/l Fresh water	Fish - <i>Oncorhynchus tshawytscha</i>	96 hours
	Chronic NOEC 0.12 µg/l Marine water	Fish - <i>Cyprinodon variegatus</i> - Embryo	4 weeks
6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide, (3.alpha.,5a.beta.,6.alpha.,9.alpha.,9a.beta.)-	Acute LC50 1 to 10 ppm Marine water	Crustaceans - <i>Artemia salina</i> - Adult	48 hours
	Acute LC50 249 µg/l Fresh water	Daphnia - <i>Daphnia carinata</i> - Neonate	48 hours
	Acute LC50 0.16 µg/l Fresh water	Fish - <i>Channa punctata</i>	96 hours
Dieldrin (ISO)	Acute EC50 0.9 µg/l Fresh water	Crustaceans - <i>Chlamydotheca arcuata</i> - Adult	48 hours
	Acute EC50 79.5 µg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	48 hours
	Acute LC50 0.62 µg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i> - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic NOEC 0.032 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	21 days
	Chronic NOEC 0.0001 mg/l Marine	Fish - <i>Pleuronectes platessa</i> -	8 weeks

Section 12. Ecological information

DDT	water	Egg	
	Acute EC50 0.0006 mg/l Marine water	Crustaceans - <i>Penaeus sp.</i> - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Acute EC50 0.4 µg/l Fresh water	Daphnia - <i>Daphnia pulex</i>	48 hours
	Acute LC50 0.26 µg/l Marine water	Fish - <i>Micrometrus minimus</i>	96 hours
2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene	Chronic NOEC 100 ppb Marine water	Algae - <i>Dunaliella tertiolecta</i> - Exponential growth phase	4 days
	Chronic NOEC 1 µg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	21 days
	Acute EC50 28 µg/l Marine water	Crustaceans - <i>Penaeus aztecus</i> - Adult	48 hours
	Chronic NOEC 0.1 µg/l Fresh water	Fish - <i>Gobiocypris rarus</i> - Sexually mature	28 days
Methoxychlor	Acute EC50 0.23 µg/l Marine water	Crustaceans - <i>Cancer magister</i> - Zoea	48 hours
	Acute LC50 16 µg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 2.54 µg/l Marine water	Fish - <i>Oncorhynchus tshawytscha</i>	96 hours
	Chronic NOEC 1 µg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	21 days
	Chronic NOEC 0.2 to 2.3 µg/l Fresh water	Fish - <i>Oryzias latipes</i> - Larvae	28 days

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
tert-Butyl methyl ether	OECD 301D Ready Biodegradability - Closed Bottle Test	0 % - Not readily - 28 days	-	Activated sludge
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability	
tert-Butyl methyl ether	-	50%; 3.2 day(s)	Not readily	
Aldrin (ISO)	-	-	Not readily	

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
tert-Butyl methyl ether	1.04	1.5	Low
Aldrin (ISO)	6.5	5495.41	High
Heptachlor (ISO)	6.1	8709.64	High
Endrin (ISO)	5.2	7413.1	High
6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide, (3.alpha.,5a.beta.,6.alpha.,9.alpha.,9a.beta.)-	3.83	-	Low
Dieldrin (ISO)	5.4	8912.51	High
DDT	6.91	19498.45	High
2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene	6.51	12022.64	High
Methoxychlor	5.08	316.23	Low

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Section 12. Ecological information

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

ADG / IMDG / IATA : Not regulated as Dangerous Goods according to the ADG Code .

Additional information

Remarks: De minimis quantities

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons

7, 6, 5

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Ingredient name	List name	Status
aldrin	Annex A - Elimination - Production	Listed
heptachlor	-	Listed
endrin	-	Listed
technical endosulfan and its related isomers	-	Listed
technical endosulfan and its related isomers	-	Listed
dieldrin	-	Listed
lindane	-	Listed
beta hexachlorocyclohexane	-	Listed
alpha hexachlorocyclohexane	-	Listed
aldrin	Annex A - Elimination - Use	Listed
heptachlor	-	Listed

Section 15. Regulatory information

endrin	-	Listed
technical endosulfan and its related isomers	-	Listed
technical endosulfan and its related isomers	-	Listed
dieldrin	-	Listed
lindane	-	Listed
beta hexachlorocyclohexane	-	Listed
alpha hexachlorocyclohexane	-	Listed
DDT	Annex B - Restriction - Production	Listed
DDT	Annex B - Restriction - Use	Listed

Rotterdam Convention on Prior Informed Consent (PIC)

Ingredient name	List name	Status
Aldrin; Rasayaldrin; HHDN; 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-exo-1,4-endo-5,8-dimethanonaphthalene	Rotterdam Convention on Prior Informed Consent (PIC) - Pesticide	Listed
Heptachlor; Curasemillas; 1, 4, 5, 6, 7, 8, 8 - heptachloro - 3a, 4, 7, 7a - tetrahydro - 4, 7 - methanoindene; H34; 1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methanol-1H-indene	-	Listed
Dieldrin; Alvit (Discontinued name); Dieldrine; HEOD; 3, 4, 5, 6, 0, 9 - hexachloro - 1a, 2, 2a, 3, 6, 6a, 7, 7a - octahydro 2, 3:3, 6 - dimethanonaph(2,3-b) - oxirene	-	Listed
DDT; Zerdane; NCI-C00464; 1,1,1-trichloro-2,2-bis (4-chlorophenyl) ethane	-	Listed
HCH (mixed isomers); Benzex; 1,2,3,4,5,6-Hexachlorocyclohexane; 666 (Denmark); BCH	-	Listed
Lindane; OMS17	-	Listed
HCH (mixed isomers); Benzex; 1,2,3,4,5,6-Hexachlorocyclohexane; 666 (Denmark); BCH	-	Listed
HCH (mixed isomers); Submar (India Medical); 1,2,3,4,5,6-Hexachlorocyclohexane; Hexachloran (USSR); FBHC (Discontinued name)	-	Listed

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Ingredient name	List name	Status
Aldrin	POPs - Annex 1 - Production	Listed
heptachlor	-	Listed
endrin	-	Listed
dieldrin	-	Listed
DDT	-	Listed
hexachlorocyclohexanes, including lindane	-	Listed
hexachlorocyclohexanes, including lindane	-	Listed
hexachlorocyclohexanes, including lindane	-	Listed
hexachlorocyclohexanes, including lindane	-	Listed
aldrin	POPs - Annex 1 - Use	Listed
heptachlor	-	Listed
endrin	-	Listed
dieldrin	-	Listed
DDT	-	Listed
hexachlorocyclohexanes, including lindane	-	Listed
hexachlorocyclohexanes, including lindane	-	Listed
hexachlorocyclohexanes, including lindane	-	Listed
hexachlorocyclohexanes, including lindane	-	Listed

Inventory list

Australia	: Not determined.
New Zealand	: Not determined.
United States	: Not determined.

Section 16. Any other relevant information

History

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Version : 9

Key to abbreviations

ADG = Australian Dangerous Goods
 ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 N/A = Not available
 SUSMP = Standard Uniform Schedule of Medicine and Poisons
 UN = United Nations

Procedure used to derive the classification

Classification	Justification
FLAMMABLE LIQUIDS - Category 2	On basis of test data
SKIN CORROSION/IRRITATION - Category 2	Calculation method
SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1	Calculation method
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1	Calculation method

Indicates information that has changed from previously issued version.

Notice to reader

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