SAFETY DATA SHEET

GHEMSERVIGE

1. Identification

Product identifier	Organochlorine Pesticide	s Mixture-8080/80	81
Other means of identification			
Item	M-OCP8080AC1		
Recommended use	Not available.		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier/	Distributor information		
Manufacturer			
Company name	Chem Service, Inc.		
Address	660 Tower Lane		
	West Chester, PA 19380 United States		
Telephone	Toll Free	800-452-9994	
Totophone	Direct	610-692-3026	
Website	www.chemservice.com		
E-mail	info@chemservice.com		
Emergency phone number	Chemtrec US	800-424-9300	
	Chemtrec outside US	+1 703-527-3887	
2. Hazard(s) identification			
Physical hazards	Flammable liquids		Category 2
Health hazards	Acute toxicity, oral		Category 4
	Acute toxicity, dermal		Category 4
	Skin corrosion/irritation		Category 2
	Serious eye damage/eye irr	itation	Category 2A
	Reproductive toxicity		Category 1A
	Specific target organ toxicity	y, single exposure	Category 3 narcotic effects
	Specific target organ toxicity exposure	y, repeated	Category 1
	Aspiration hazard		Category 1
Environmental hazards	Hazardous to the aquatic er hazard	nvironment, acute	Category 1
	Hazardous to the aquatic er long-term hazard	nvironment,	Category 1
OSHA defined hazards	Not classified.		
Label elements			

Danger

Hazard statement

Signal word

Highly flammable liquid and vapor. Harmful if swallowed. May be fatal if swallowed and enters airways. Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Precautionary statement	
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 explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. 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/eye protection/face protection.
Response	If swallowed: Immediately call a poison center/doctor. Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage.
Storage	Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
n-Hexane		110-54-3	40 - < 50
Toluene		108-88-3	40 - < 50
2,6-Di-tert-butyl-p-cresol		128-37-0	0.01
4,4'-DDD		72-54-8	0.01
4,4'-DDE		72-55-9	0.01
4,4'-DDT		50-29-3	0.01
a-Endosulfan		959-98-8	0.01
Aldrin (TM)		309-00-2	0.01
b-Endosulfan		33213-65-9	0.01
BHC (alpha isomer)		319-84-6	0.01
BHC (beta isomer)		319-85-7	0.01
BHC (delta isomer)		319-86-8	0.01
Dieldrin		60-57-1	0.01
Endosulfan sulfate		1031-07-8	0.01
Endrin		72-20-8	0.01
Endrin aldehyde		7421-93-4	0.01
Heptachlor		76-44-8	0.01
Heptachlor epoxide (Isomer B)		1024-57-3	0.01
Lindane (BHC gamma isomer)		58-89-9	0.01
Methoxychlor		72-43-5	0.01
Other components below reportable	levels		< 1

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. 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. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.
5. Fire-fighting measures	
Suitable extinguishing media	Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	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.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Highly flammable liquid and vapor.
6. Accidental release mea	sures

0. Accidental release me	
Personal precautions,	Keep unnecessary perso
	ignition courses (no ome

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
Environmental precautions	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

7. Handling and storage

Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.
	For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".
Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).
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8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air	^r Contaminants	(29 CFR	1910.1000)
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Components	Туре	Value	Form
4,4'-DDT (CAS 50-29-3)	PEL	1 mg/m3	
Aldrin (TM) (CAS 309-00-2)	PEL	0.25 mg/m3	
Dieldrin (CAS 60-57-1)	PEL	0.25 mg/m3	
Endrin (CAS 72-20-8)	PEL	0.1 mg/m3	
Heptachlor (CAS 76-44-8)	PEL	0.5 mg/m3	
Heptachlor epoxide (Isomer B) (CAS 1024-57-3)	PEL	0.5 mg/m3	
Lindane (BHC gamma isomer) (CAS 58-89-9)	PEL	0.5 mg/m3	
Methoxychlor (CAS 72-43-5)	PEL	15 mg/m3	Total dust.
n-Hexane (CAS 110-54-3)	PEL	1800 mg/m3	
		500 ppm	
US. OSHA Table Z-2 (29 CFR 1910.	1000)		
Components	Туре	Value	
Toluene (CAS 108-88-3)	Ceiling	300 ppm	
	TWA	200 ppm	
US. ACGIH Threshold Limit Values	6		
Components	Туре	Value	Form
2,6-Di-tert-butyl-p-cresol (CAS 128-37-0)	TWA	2 mg/m3	Inhalable fraction and vapor.
4,4'-DDT (CAS 50-29-3)	TWA	1 mg/m3	
a-Endosulfan (CAS 959-98-8)	TWA	0.1 mg/m3	Inhalable fraction and vapor.
Aldrin (TM) (CAS 309-00-2)	TWA	0.05 mg/m3	Inhalable fraction and vapor.

US. ACGIH Threshold Limit Value	es		
Components	Туре	Value	Form
b-Endosulfan (CAS 33213-65-9)	TWA	0.1 mg/m3	Inhalable fraction and vapor.
Dieldrin (CAS 60-57-1)	TWA	0.1 mg/m3	Inhalable fraction and vapor.
Endrin (CAS 72-20-8)	TWA	0.1 mg/m3	
Heptachlor (CAS 76-44-8)	TWA	0.05 mg/m3	
Heptachlor epoxide (Isomer B) (CAS 1024-57-3)	TWA	0.05 mg/m3	
Lindane (BHC gamma isomer) (CAS 58-89-9)	TWA	0.5 mg/m3	
Methoxychlor (CAS 72-43-5)	TWA	10 mg/m3	
n-Hexane (CAS 110-54-3)	TWA	50 ppm	
Toluene (CAS 108-88-3)	TWA	20 ppm	
US. NIOSH: Pocket Guide to Che	mical Hazards		
Components	Туре	Value	
2,6-Di-tert-butyl-p-cresol (CAS 128-37-0)	TWA	10 mg/m3	
4,4'-DDT (CAS 50-29-3)	TWA	0.5 mg/m3	
a-Endosulfan (CAS 959-98-8)	TWA	0.1 mg/m3	
Aldrin (TM) (CAS 309-00-2)	TWA	0.25 mg/m3	
b-Endosulfan (CAS 33213-65-9)	TWA	0.1 mg/m3	
Dieldrin (CAS 60-57-1)	TWA	0.25 mg/m3	
Endrin (CAS 72-20-8)	TWA	0.1 mg/m3	
Heptachlor (CAS 76-44-8)	TWA	0.5 mg/m3	
Heptachlor epoxide (Isomer B) (CAS 1024-57-3)	TWA	0.5 mg/m3	
Lindane (BHC gamma isomer) (CAS 58-89-9)	TWA	0.5 mg/m3	
n-Hexane (CAS 110-54-3)	TWA	180 mg/m3 50 ppm	
Toluene (CAS 108-88-3)	STEL	560 mg/m3 150 ppm	
	TWA	375 mg/m3 100 ppm	

Biological limit values

Components	Value	Determinant	Specimen	Sampling Time
n-Hexane (CAS 110-54-3)	0.4 mg/l	2,5-Hexanedio n, without hydrolysis	Urine	*
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*

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

Exposure guidelines

US - California OELs: Skin designation

4,4'-DDT (CAS 50-29-3)	Can be absorbed through the skin.
a-Endosulfan (CAS 959-98-8)	Can be absorbed through the skin.
Aldrin (TM) (CAS 309-00-2)	Can be absorbed through the skin.
b-Endosulfan (CAS 33213-65-9)	Can be absorbed through the skin.
Dieldrin (CAS 60-57-1)	Can be absorbed through the skin.
Endrin (CAS 72-20-8)	Can be absorbed through the skin.
Heptachlor (CAS 76-44-8)	Can be absorbed through the skin.
Heptachlor epoxide (Isomer B) (CAS 1024-57-3)	Can be absorbed through the skin.
Lindane (BHC gamma isomer) (CAS 58-89-9)	Can be absorbed through the skin.

n-Hexane (CAS 110-54-3)	Can be absorbed through the skin.	
Toluene (CAS 108-88-3))	Can be absorbed through the skin.	
US - Minnesota Haz Subs: S	kin designation applies		
a-Endosulfan (CAS 959-9	8-8)	Skin designation applies.	
Aldrin (TM) (CAS 309-00-	2)	Skin designation applies.	
b-Endosulfan (CAS 33213	3-65-9)	Skin designation applies.	
Dieldrin (CAS 60-57-1)		Skin designation applies.	
Endrin (CAS 72-20-8)		Skin designation applies.	
Heptachlor (CAS 76-44-8)		Skin designation applies.	
Heptachlor epoxide (Isom		Skin designation applies.	
Lindane (BHC gamma iso	mer) (CAS 58-89-9)	Skin designation applies.	
Toluene (CAS 108-88-3)		Skin designation applies.	
US - Tennessee OELs: Skin	designation		
4,4'-DDT (CAS 50-29-3)		Can be absorbed through the skin.	
a-Endosulfan (CAS 959-9		Can be absorbed through the skin.	
Aldrin (TM) (CAS 309-00-		Can be absorbed through the skin.	
b-Endosulfan (CAS 33213	3-65-9)	Can be absorbed through the skin.	
Dieldrin (CAS 60-57-1)		Can be absorbed through the skin. Can be absorbed through the skin.	
Endrin (CAS 72-20-8) Heptachlor (CAS 76-44-8)		Can be absorbed through the skin.	
Heptachlor epoxide (Isom	•	Can be absorbed through the skin.	
Lindane (BHC gamma iso		Can be absorbed through the skin.	
US ACGIH Threshold Limit V			
a-Endosulfan (CAS 959-9	U	Can be absorbed through the skin.	
Aldrin (TM) (CAS 309-00-		Can be absorbed through the skin.	
b-Endosulfan (CAS 33213		Can be absorbed through the skin.	
Dieldrin (CAS 60-57-1)		Can be absorbed through the skin.	
Endrin (CAS 72-20-8)		Can be absorbed through the skin.	
Heptachlor (CAS 76-44-8))	Can be absorbed through the skin.	
Heptachlor epoxide (Isom		Can be absorbed through the skin.	
Lindane (BHC gamma iso		Can be absorbed through the skin.	
n-Hexane (CAS 110-54-3))	Can be absorbed through the skin.	
US NIOSH Pocket Guide to C	Chemical Hazards: Skin desig	gnation	
a-Endosulfan (CAS 959-9	8-8)	Can be absorbed through the skin.	
Aldrin (TM) (CAS 309-00-	2)	Can be absorbed through the skin.	
b-Endosulfan (CAS 33213	3-65-9)	Can be absorbed through the skin.	
Dieldrin (CAS 60-57-1)		Can be absorbed through the skin.	
Endrin (CAS 72-20-8)		Can be absorbed through the skin.	
Heptachlor (CAS 76-44-8)		Can be absorbed through the skin.	
Heptachlor epoxide (Isom		Can be absorbed through the skin.	
Lindane (BHC gamma iso		Can be absorbed through the skin.	
	or Air Contaminants (29 CFR	•	
4,4'-DDT (CAS 50-29-3)	-	Can be absorbed through the skin.	
Aldrin (TM) (CAS 309-00-	2)	Can be absorbed through the skin.	
Dieldrin (CAS 60-57-1)		Can be absorbed through the skin.	
Endrin (CAS 72-20-8)		Can be absorbed through the skin.	
Heptachlor (CAS 76-44-8) Heptachlor epoxide (Isom		Can be absorbed through the skin. Can be absorbed through the skin.	
Lindane (BHC gamma iso		Can be absorbed through the skin.	
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opropriate engineering ontrols	changes per hour) should be applicable, use process enclo maintain airborne levels below	ocal exhaust ventilation. Good general ventilation (typically 10 air used. Ventilation rates should be matched to conditions. If osures, local exhaust ventilation, or other engineering controls to w recommended exposure limits. If exposure limits have not been e levels to an acceptable level. Provide eyewash station. Eye wash vers are recommended.	
dividual protection measures,			
Eye/face protection		nic vapor cartridge and full facepiece.	
Skin protection			
-	Wear appropriate chemical re	esistant aloves	
Hand protection	Wear appropriate chemical re		
Other		esistant clothing. Use of an impervious apron is recommended.	
Respiratory protection	Chemical respirator with orga	nic vapor cartridge and full facepiece.	

Thermal hazards

General hygiene considerations

Wear appropriate thermal protective clothing, when necessary.

Observe any medical surveillance requirements. When using do not smoke. Keep away from food and drink. 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.

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	-138.82 °F (-94.9 °C) estimated
Initial boiling point and boiling range	155.66 °F (68.7 °C) estimated
Flash point	-7.0 °F (-21.7 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	1.1 % estimated
Flammability limit - upper (%)	7.5 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	115.3 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	437 °F (225 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	0.86571 g/cm3 estimated
Explosive properties	Not explosive.
Flammability class	Flammable IB estimated
Oxidizing properties	Not oxidizing.
Percent volatile	49.75 % estimated
Specific gravity	0.87 estimated
VOC	49.75 % estimated
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	Hazardous polymerization does not occur.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials	Strong oxidizing agents.
Hazardous decomposition	No hazardous decomposition products are known.
products	

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.
Skin contact	Harmful in contact with skin. Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Harmful if swallowed. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms related to the physical, chemical and toxicological characteristics	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity

May be fatal if swallowed and enters airways. Harmful in contact with skin.

Components	Species	Test Results
2,6-Di-tert-butyl-p-cresol (CAS	\$ 128-37-0)	
<u>Acute</u>		
Dermal		
LD50	Rat	> 2000 mg/kg
4,4'-DDD (CAS 72-54-8)		
Acute		
Dermal		
LD50	Rabbit	1200 mg/kg
Oral		
LD50	Rat	113 mg/kg
4,4'-DDE (CAS 72-55-9)		
<u>Acute</u>		
Oral		
LD50	Rat	880 mg/kg
4,4'-DDT (CAS 50-29-3)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	300 mg/kg
Oral		
LD50	Rat	87 mg/kg
a-Endosulfan (CAS 959-98-8)		
Acute		
Dermal		
LD50	Rat	34 mg/kg
Inhalation		
LC50	Rat	0.08 mg/l, 4 Hours
Aldrin (TM) (CAS 309-00-2)		
Acute		
Dermal		
LD50	Rat	98 mg/kg
b-Endosulfan (CAS 33213-65-	-9)	
<u>Acute</u>		
Dermal		
LD50	Rat	34 mg/kg

Components	Species	Test Results
Inhalation	D .4	
LC50	Rat	0.08 mg/l, 4 Hours
BHC (alpha isomer) (CAS 319-84- <u>Acute</u>	6)	
Dermal		
LD50	Rat	0.9 mg/kg
Oral		
LD50	Rat	177 mg/kg
BHC (beta isomer) (CAS 319-85-7	()	
<u>Acute</u>		
Dermal		
LD50	Rat	0.9 mg/kg
BHC (delta isomer) (CAS 319-86-8	8)	
Acute		
Dermal	Rat	
LD50	Mai	0.9 mg/kg
Dieldrin (CAS 60-57-1) <u>Acute</u>		
Dermal		
LD50	Rat	56 mg/kg
Endrin (CAS 72-20-8)		
Acute		
Dermal		
LD50	Rat	12 mg/kg
Oral		
LD50	Rat	3 mg/kg
Lindane (BHC gamma isomer) (CA	AS 58-89-9)	
Acute		
Dermal	Dabbit	50
LD50	Rabbit	50 mg/kg
Inhalation LC50	Rat	1.56 mg/l
	Rai	1.50 mg/i
Oral LD50	Rat	76 mg/kg
n-Hexane (CAS 110-54-3)		, o mg/ng
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 4 Hours
Toluene (CAS 108-88-3)		
Acute		
Inhalation		
LC50	Rat	12.5 - 28.8 mg/l, 4 Hours
* Estimates for product may b	e based on additional component data not shown.	
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory or skin sensitization	n	
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitization.	

Germ cell mutagenicity	No data available to indicate p mutagenic or genotoxic.	product or any components present at greater than 0.1% are
Carcinogenicity	Not classifiable as to carcinog	enicity to humans.
IARC Monographs. Overall	Evaluation of Carcinogenicity	
2,6-Di-tert-butyl-p-cresol 4,4'-DDT (CAS 50-29-3) Aldrin (TM) (CAS 309-00 BHC (alpha isomer) (CAS BHC (beta isomer) (CAS BHC (delta isomer) (CAS Dieldrin (CAS 60-57-1) Endrin (CAS 72-20-8) Heptachlor (CAS 76-44-8 Heptachlor epoxide (Ison Lindane (BHC gamma iso Methoxychlor (CAS 72-43 Toluene (CAS 108-88-3) OSHA Specifically Regulate Not regulated.	(CAS 128-37-0) -2) 5 319-84-6) 319-85-7) - 319-86-8) (CAS 1024-57-3) pmer B) (CAS 58-89-9)	
BHC (alpha isomer) (CAS BHC (beta isomer) (CAS BHC (delta isomer) (CAS BHC (delta isomer) (CAS Lindane (BHC gamma iso	319-85-7) 319-86-8)	Reasonably Anticipated to be a Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen. Reasonably Anticipated to be a Human Carcinogen.
Reproductive toxicity	May damage fertility or the un	born child.
Specific target organ toxicity - single exposure	May cause drowsiness and di	zziness.
Specific target organ toxicity - repeated exposure	Causes damage to organs thr	ough prolonged or repeated exposure.
Aspiration hazard	May be fatal if swallowed and	enters airways.
Chronic effects	Causes damage to organs thr harmful.	ough prolonged or repeated exposure. Prolonged inhalation may be

12. Ecological information

toxicity	Very toxic	to aquatic life with long lasting effects.	
Components		Species	Test Results
2,6-Di-tert-butyl-p-cres	ol (CAS 128-37-0)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	1.44 mg/l, 48 hours
4,4'-DDD (CAS 72-54-	8)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	0.0023 - 0.0044 mg/l, 48 hours
Fish	LC50	Walleye (Stizostedion vitreum vitreum)	0.011 - 0.019 mg/l, 96 hours
4,4'-DDE (CAS 72-55-	9)		
Aquatic			
Crustacea	EC50	Brown shrimp (Penaeus aztecus)	0.028 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.026 - 0.04 mg/l, 96 hours
4,4'-DDT (CAS 50-29-	3)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.0005 - 0.001 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	0.0013 - 0.002 mg/l, 96 hours
a-Endosulfan (CAS 95	9-98-8)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia carinata)	0.18 mg/l, 48 hours

Components		Species	Test Results
Fish	LC50	Snake-head catfish (Channa punctata)	0.0001 - 0.0002 mg/l, 96 hours
Aldrin (TM) (CAS 309-00-	2)		
Aquatic			
Crustacea	EC50	Ostracod, Seed shrimp (Cypridopsis vidua)	0.015 - 0.021 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.0023 - 0.0045 mg/l, 96 hours
b-Endosulfan (CAS 33213	3-65-9)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia carinata)	0.18 mg/l, 48 hours
Fish	LC50	Snake-head catfish (Channa punctata)	0.0066 - 0.0067 mg/l, 96 hours
BHC (alpha isomer) (CAS Aquatic	319-84-6)		
Crustacea	EC50	Water flea (Daphnia magna)	0.6 - 1 mg/l, 48 hours
Fish	LC50	Zebra danio (Danio rerio)	0.82 - 1.51 mg/l, 96 hours
BHC (beta isomer) (CAS			
Aquatic	010 00-1 j		
Crustacea	EC50	Water flea (Daphnia pulex)	0.68 mg/l, 48 hours
Fish	LC50	Guppy (Poecilia reticulata)	1 - 3.55 mg/l, 96 hours
-		Suppy (Foechia reliculata)	1 - 3.33 mg/l, 90 hours
BHC (delta isomer) (CAS	319-80-8)		
Aquatic Crustacea	EC50	Water flee (Depheie puloy)	0.69 mg// 49 hours
		Water flea (Daphnia pulex)	0.68 mg/l, 48 hours
Fish	LC50	Zebra danio (Danio rerio)	1.15 - 2.17 mg/l, 96 hours
Dieldrin (CAS 60-57-1)			
Aquatic	5050		0.074 0.0054
Crustacea	EC50	Water flea (Daphnia magna)	0.074 - 0.0854 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.001 - 0.0013 mg/l, 96 hours
Endrin (CAS 72-20-8)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	0.013 - 0.03 mg/l, 48 hours
Fish	LC50	Sheepshead minnow (Cyprinodon variegatus)	0.0002 - 0.0006 mg/l, 96 hours
Heptachlor (CAS 76-44-8))		
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	0.021 - 0.063 mg/l, 48 hours
Fish	LC50	Pinfish (Lagodon rhomboides)	0.002 - 0.0088 mg/l, 96 hours
Heptachlor epoxide (Isom Aquatic	er B) (CAS 1024	4-57-3)	
Crustacea	EC50	Water flea (Daphnia pulex)	0.021 - 0.063 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	0.0039 - 0.0072 mg/l, 96 hours
Lindane (BHC gamma iso Aquatic	omer) (CAS 58-8	9-9)	
Crustacea	EC50	Water flea (Daphnia pulex)	0.386 - 0.547 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.02 - 0.027 mg/l, 96 hours
Methoxychlor (CAS 72-43 Aquatic	3-5)		
Crustacea	EC50	Water flea (Daphnia pulex)	0.0006 - 0.0011 mg/l, 48 hours
			-
Fish	LC50	Brook trout (Salvelinus fontinalis)	0.007 - 0.017 mg/l, 96 hours

Components		Species	Test Results
n-Hexane (CAS 110-54-3)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales prom	elas) 2.101 - 2.981 mg/l, 96 hours
Toluene (CAS 108-88-3)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	5.46 - 9.83 mg/l, 48 hours
Fish	LC50	Coho salmon, silver salmon	8.11 mg/l, 96 hours
		(Oncorhynchus kisutch)	3 , 1
* Estimates for product may l	be based on a	additional component data not shown.	
sistence and degradability			
accumulative potential			
Partition coefficient n-octa	nol / water (le		
4,4'-DDD		6.02	
4,4'-DDE		6.51	
4,4'-DDT		6.91	
a-Endosulfan Aldrin (TM)		3.83 6.5	
Aldrin (TM) b-Endosulfan		0.5 3.83	
BHC (alpha isomer)		3.83	
BHC (beta isomer)		3.78	
BHC (delta isomer)		4.14	
Dieldrin		5.4	
Endosulfan sulfate		3.66	
Endrin		5.2	
Endrin aldehyde		5.6	
Heptachlor		6.1	
Heptachlor epoxide (Isomer I	,	5.4	
Lindane (BHC gamma isome Methoxychlor	er)	3.72 5.08	
n-Hexane		3.9	
Toluene		2.73	
bility in soil	No data av	vailable.	
ner adverse effects	The product contains volatile organic compounds which have a photochemical ozone creation potential.		
. Disposal consideratio	ons		
posal instructions			at licensed waste disposal site. Do not allow o not contaminate ponds, waterways or ditch
	with chemi	ical or used container. Dispose of conten	
cal disposal regulations	-	local/regional/national/international regulations. Dispose in accordance with all applicable regulations.	
zardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.		
US RCRA Hazardous Wast		1 5	
a-Endosulfan (CAS 959-		P050	
Aldrin (TM) (CAS 309-00		P004	
b-Endosulfan (CAS 332		P050	
Dieldrin (CAS 60-57-1)	,	P037	
Endrin (CAS 72-20-8)		P051	
Heptachlor (CAS 76-44-		P059	
Heptachlor epoxide (Iso	mer B) (CAS	1024-57-3) P059	
ste from residues / unused	Dispose of	in accordance with local regulations. Em	npty containers or liners may retain some
oducts		sidues. This material and its container mu nstructions).	ust be disposed of in a safe manner (see:
ntaminated packaging	Since emp	tied containers may retain product residu	ie, follow label warnings even after containe
			pproved waste handling site for recycling or

14. Transport information

DOT

DOT	
UN number	UN1993
UN proper shipping name	Flammable liquids, n.o.s. (n-Hexane RQ = 10101 LBS, Toluene RQ = 2020 LBS), MARINE POLLUTANT
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	II
Environmental hazards	
Marine pollutant	Yes
•	 Read safety instructions, SDS and emergency procedures before handling.
Special provisions	IB2, T7, TP1, TP8, TP28
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242
ΙΑΤΑ	
UN number	UN1993
UN proper shipping name	Flammable liquid, n.o.s. (n-Hexane, Toluene)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II.
Environmental hazards	Yes
ERG Code	3H
	 Read safety instructions, SDS and emergency procedures before handling.
Other information	rodd ddiety metradione, ebe dna emergeney procedaree berere nanaing.
Passenger and cargo	Allowed with restrictions.
aircraft	
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number	UN1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (n-Hexane, Toluene), MARINE POLLUTANT
Transport hazard class(es)	
Class	3
	-
Subsidiary risk	-
Packing group Environmental hazards	I
	Mar.
Marine pollutant	Yes
EmS	F-E, <u>S-E</u>
	• Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to	Not established.
Annex II of MARPOL 73/78 and	
the IBC Code	
DOT	



IATA; IMDG



Marine pollutant



IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant.

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

	a = /
4,4'-DDT (CAS 50-29-3)	0.1 % One-Time Export Notification only.
Endrin (CAS 72-20-8)	1.0 % One-Time Export Notification only.
CERCLA Hazardous Substance List (40 CFR 302.4)	
4,4'-DDD (CAS 72-54-8)	Listed.
4,4'-DDE (CAS 72-55-9)	Listed.
4,4'-DDT (CAS 50-29-3)	Listed.
a-Endosulfan (CAS 959-98-8)	Listed.
Aldrin (TM) (CAS 309-00-2)	Listed.
b-Endosulfan (CAS 33213-65-9)	Listed.
BHC (alpha isomer) (CAS 319-84-6)	Listed.
BHC (beta isomer) (CAS 319-85-7)	Listed.
BHC (delta isomer) (CAS 319-86-8)	Listed.
Dieldrin (CAS 60-57-1)	Listed.
Endosulfan sulfate (CAS 1031-07-8)	Listed.
Endrin (CAS 72-20-8)	Listed.
Endrin aldehyde (CAS 7421-93-4)	Listed.
Heptachlor (CAS 76-44-8)	Listed.
Heptachlor epoxide (Isomer B) (CAS 1024-57-3)	Listed.
Lindane (BHC gamma isomer) (CAS 58-89-9)	Listed.
Methoxychlor (CAS 72-43-5)	Listed.
n-Hexane (CAS 110-54-3)	Listed.
Toluene (CAS 108-88-3)	Listed.
SARA 304 Emergency release notification	
a-Endosulfan (CAS 959-98-8)	1 LBS
Aldrin (TM) (CAS 309-00-2)	1 LBS
b-Endosulfan (CAS 33213-65-9)	1 LBS
Endrin (CAS 72-20-8)	1 LBS
Lindane (BHC gamma isomer) (CAS 58-89-9)	1 LBS
OSHA Specifically Regulated Substances (29 CFR 1910.10	01-1050)
Not regulated.	

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes
	Pressure Hazard - No Reactivity Hazard - No

	CAS number	Reportable quantity (pounds)	Threshold planning quantity (pounds)	Threshold planning quantity, lower value (pounds)	Threshold planning quantity, upper value (pounds)
a-Endosulfan	959-98-8	1		10	10000
Aldrin (TM)	309-00-2	1		500	10000
b-Endosulfan	33213-65-9	1		10	10000
Endrin	72-20-8	1		500	10000
Lindane (BHC gamma isomer)	58-89-9	1		1000	10000
SARA 311/312 Hazar chemical	dous No				
SARA 313 (TRI repor	ting)				
Chemical name		CA	AS number	% by wt.	
n-Hexane			0-54-3	40 - < 50	
Toluene		10	8-88-3	40 - < 50	
er federal regulations					
Clean Air Act (CAA)	Section 112 Hazard	ous Air Pollutar	nts (HAPs) List		
	de (Isomer B) (CAS 1 mma isomer) (CAS 5 (S 72-43-5) 10-54-3)				
	Section 112(r) Accid	dontal Poloaco	Provention (10 CEP 6	8 130)	
Clean Air Act (CAA)	Section 112(r) Accie	dental Release I	Prevention (40 CFR 6	8.130)	
Clean Air Act (CAA) Not regulated. Safe Drinking Water			Prevention (40 CFR 6	8.130)	
Clean Air Act (CAA) S Not regulated. Safe Drinking Water (SDWA)	Act Not regulat	ed.		8.130) CFR 1310.02(b) and 1	310.04(f)(2) and
Clean Air Act (CAA) S Not regulated. Safe Drinking Water (SDWA) Drug Enforceme	Act Not regulat nt Administration (I Number	ed.			310.04(f)(2) and
Clean Air Act (CAA) S Not regulated. Safe Drinking Water (SDWA) Drug Enforceme Chemical Code N Toluene (CAS	Act Not regulat nt Administration (I Number S 108-88-3)	ed. DEA). List 2, Es	sential Chemicals (21 6594		
Clean Air Act (CAA) S Not regulated. Safe Drinking Water (SDWA) Drug Enforceme Chemical Code N Toluene (CAS Drug Enforceme Toluene (CAS	Act Not regulat nt Administration (I Number S 108-88-3) nt Administration (I S 108-88-3)	ed. DEA). List 2, Es DEA). List 1 & 2	sential Chemicals (21 6594	CFR 1310.02(b) and 1	
Clean Air Act (CAA) S Not regulated. Safe Drinking Water (SDWA) Drug Enforceme Chemical Code N Toluene (CAS Drug Enforceme Toluene (CAS DEA Exempt Che	Act Not regulat nt Administration (I Number S 108-88-3) nt Administration (I S 108-88-3) emical Mixtures Cod	ed. DEA). List 2, Es DEA). List 1 & 2	sential Chemicals (21 6594 Exempt Chemical Mi 35 %WV	CFR 1310.02(b) and 1	
Clean Air Act (CAA) S Not regulated. Safe Drinking Water (SDWA) Drug Enforceme Chemical Code N Toluene (CAS Drug Enforceme Toluene (CAS	Act Not regulat nt Administration (I Number S 108-88-3) nt Administration (I S 108-88-3) emical Mixtures Coo S 108-88-3)	ed. DEA). List 2, Es DEA). List 1 & 2 de Number	sential Chemicals (21 6594 Exempt Chemical Mi 35 %WV 594	CFR 1310.02(b) and 1 xtures (21 CFR 1310.1	2(c))
Clean Air Act (CAA) S Not regulated. Safe Drinking Water (SDWA) Drug Enforceme Chemical Code N Toluene (CAS Drug Enforceme Toluene (CAS DEA Exempt Che	Act Not regulat nt Administration (I Number S 108-88-3) nt Administration (I S 108-88-3) emical Mixtures Coo S 108-88-3) WARNING	ed. DEA). List 2, Es DEA). List 1 & 2 de Number	sential Chemicals (21 6594 Exempt Chemical Mi 35 %WV 594 ntains a chemical know	CFR 1310.02(b) and 1 xtures (21 CFR 1310.1	
Clean Air Act (CAA) S Not regulated. Safe Drinking Water (SDWA) Drug Enforceme Chemical Code N Toluene (CAS Drug Enforceme Toluene (CAS DEA Exempt Che Toluene (CAS	Act Not regulat nt Administration (I Number S 108-88-3) nt Administration (I S 108-88-3) emical Mixtures Coo S 108-88-3) WARNING birth defect	ed. DEA). List 2, Es DEA). List 1 & 2 de Number : This product co s or other reproc	sential Chemicals (21 6594 Exempt Chemical Mi 35 %WV 594 ntains a chemical know	CFR 1310.02(b) and 1 xtures (21 CFR 1310.1 vn to the State of Califo	2(c))
Clean Air Act (CAA) S Not regulated. Safe Drinking Water (SDWA) Drug Enforceme Chemical Code N Toluene (CAS Drug Enforceme Toluene (CAS DEA Exempt Che Toluene (CAS	Act Not regulat nt Administration (I Number S 108-88-3) nt Administration (I S 108-88-3) emical Mixtures Cod S 108-88-3) WARNING birth defect roposition 65 - CRT	ed. DEA). List 2, Es DEA). List 1 & 2 de Number : This product co s or other reproc	sential Chemicals (21 6594 Exempt Chemical Mi 35 %WV 594 ntains a chemical know	CFR 1310.02(b) and 1 xtures (21 CFR 1310.1 vn to the State of Califo	2(c))
Clean Air Act (CAA) S Not regulated. Safe Drinking Water (SDWA) Drug Enforceme Chemical Code N Toluene (CAS Drug Enforceme Toluene (CAS DEA Exempt Che Toluene (CAS State regulations US - California P	Act Not regulat nt Administration (I Number S 108-88-3) nt Administration (I S 108-88-3) emical Mixtures Cod S 108-88-3) WARNING birth defect roposition 65 - CRT AS 72-54-8)	ed. DEA). List 2, Es DEA). List 1 & 2 de Number : This product co s or other reproc	sential Chemicals (21 6594 Exempt Chemical Mi 35 %WV 594 ntains a chemical know luctive harm. arcinogenic substance	CFR 1310.02(b) and 1 xtures (21 CFR 1310.1 vn to the State of Califo re 1989	2(c))
Clean Air Act (CAA) S Not regulated. Safe Drinking Water (SDWA) Drug Enforceme Chemical Code N Toluene (CAS Drug Enforceme Toluene (CAS DEA Exempt Che Toluene (CAS state regulations US - California P 4,4'-DDD (CAS	Act Not regulat nt Administration (I Number S 108-88-3) nt Administration (I S 108-88-3) emical Mixtures Cod S 108-88-3) WARNING birth defect roposition 65 - CRT AS 72-54-8) S 72-55-9)	ed. DEA). List 2, Es DEA). List 1 & 2 de Number : This product co s or other reproc	sential Chemicals (21 6594 Exempt Chemical Mi 35 %WV 594 ntains a chemical know luctive harm. arcinogenic substanc Listed: January 1,	CFR 1310.02(b) and 1 xtures (21 CFR 1310.1 vn to the State of Califo re 1989 1989	2(c))
Clean Air Act (CAA) S Not regulated. Safe Drinking Water (SDWA) Drug Enforceme Chemical Code N Toluene (CAS Drug Enforceme Toluene (CAS DEA Exempt Che Toluene (CAS State regulations US - California P 4,4'-DDD (CA 4,4'-DDD (CA 4,4'-DDT (CA Aldrin (TM) (CA	Act Not regulat nt Administration (I Number S 108-88-3) nt Administration (I S 108-88-3) emical Mixtures Cod S 108-88-3) WARNING birth defect roposition 65 - CRT AS 72-54-8) AS 72-55-9) AS 50-29-3) CAS 309-00-2)	ed. DEA). List 2, Es: DEA). List 1 & 2 de Number : This product co is or other reproc : Listed date/Ca	sential Chemicals (21 6594 Exempt Chemical Mi 35 %WV 594 ntains a chemical know luctive harm. arcinogenic substance Listed: January 1, Listed: January 1,	CFR 1310.02(b) and 1 xtures (21 CFR 1310.1 vn to the State of Califo e 1989 1989 1987	2(c))
Clean Air Act (CAA) S Not regulated. Safe Drinking Water (SDWA) Drug Enforceme Chemical Code N Toluene (CAS Drug Enforceme Toluene (CAS DEA Exempt Cho Toluene (CAS State regulations US - California P 4,4'-DDD (CA 4,4'-DDD (CA 4,4'-DDD (CA Aldrin (TM) (C BHC (alpha is	Act Not regulat nt Administration (I Number S 108-88-3) nt Administration (I S 108-88-3) emical Mixtures Cod S 108-88-3) WARNING birth defect roposition 65 - CRT AS 72-54-8) (S 72-55-9) (S 50-29-3) CAS 309-00-2) somer) (CAS 319-84-	ed. DEA). List 2, Es DEA). List 1 & 2 de Number : This product co s or other reproc : Listed date/Ca	sential Chemicals (21 6594 Exempt Chemical Mi 35 %WV 594 ntains a chemical know luctive harm. arcinogenic substance Listed: January 1, Listed: January 1, Listed: October 1,	CFR 1310.02(b) and 1 xtures (21 CFR 1310.1 vn to the State of Califo e 1989 1989 1987 8	2(c))
Clean Air Act (CAA) S Not regulated. Safe Drinking Water (SDWA) Drug Enforceme Chemical Code N Toluene (CAS Drug Enforceme Toluene (CAS DEA Exempt Che Toluene (CAS State regulations US - California P 4,4'-DDD (CA 4,4'-DDD (CA 4,4'-DDD (CA Aldrin (TM) (C BHC (alpha is	Act Not regulat nt Administration (I Number S 108-88-3) nt Administration (I S 108-88-3) emical Mixtures Cod S 108-88-3) WARNING birth defect roposition 65 - CRT AS 72-54-8) AS 72-55-9) AS 50-29-3) CAS 309-00-2)	ed. DEA). List 2, Es DEA). List 1 & 2 de Number : This product co s or other reproc : Listed date/Ca	sential Chemicals (21 6594 Exempt Chemical Mi 35 %WV 594 ntains a chemical know luctive harm. arcinogenic substance Listed: January 1, Listed: January 1, Listed: October 1, Listed: July 1, 198	CFR 1310.02(b) and 1 xtures (21 CFR 1310.1 vn to the State of Califo e 1989 1989 1987 8 1989	2(c))
Clean Air Act (CAA) S Not regulated. Safe Drinking Water ((SDWA) Drug Enforceme Chemical Code N Toluene (CAS Drug Enforceme Toluene (CAS DEA Exempt Che Toluene (CAS DEA Exempt Che Toluene (CAS State regulations US - California P 4,4'-DDD (CA 4,4'-DDD (CA 4,4'-DDT (CA Aldrin (TM) (C BHC (alpha is BHC (beta is BHC (delta is	Act Not regulat nt Administration (I Number S 108-88-3) nt Administration (I S 108-88-3) emical Mixtures Cod S 108-88-3) WARNING birth defect roposition 65 - CRT AS 72-54-8) AS 72-55-9) AS 50-29-3) CAS 309-00-2) somer) (CAS 319-84- pomer) (CAS 319-85-7 pomer) (CAS 319-86-	ed. DEA). List 2, Est DEA). List 1 & 2 de Number : This product co s or other reproc : Listed date/Ca	sential Chemicals (21 6594 Exempt Chemical Mi 35 %WV 594 ntains a chemical know luctive harm. arcinogenic substance Listed: January 1, Listed: January 1, Listed: January 1, Listed: October 1, Listed: October 1, Listed: October 1, Listed: October 1, Listed: October 1,	CFR 1310.02(b) and 1 xtures (21 CFR 1310.1 vn to the State of Califo re 1989 1989 1987 8 1989 1989 1989	2(c))
Clean Air Act (CAA) S Not regulated. Safe Drinking Water (SDWA) Drug Enforceme Chemical Code N Toluene (CAS Drug Enforceme Toluene (CAS DEA Exempt Che Toluene (CAS DEA Exempt Che Toluene (CAS State regulations US - California P 4,4'-DDD (CA 4,4'-DDD (CA 4,4'-DDT (CA Aldrin (TM) (C BHC (alpha is BHC (beta iss Dieldrin (CAS	Act Not regulat nt Administration (I Number S 108-88-3) nt Administration (I S 108-88-3) emical Mixtures Cod S 108-88-3) WARNING birth defect roposition 65 - CRT AS 72-54-8) AS 72-54-8) AS 72-55-9) AS 50-29-3) CAS 309-00-2) somer) (CAS 319-84- pomer) (CAS 319-85-7 pomer) (CAS 319-86-5 60-57-1)	ed. DEA). List 2, Est DEA). List 1 & 2 de Number : This product co s or other reproc : Listed date/Ca	sential Chemicals (21 6594 Exempt Chemical Mi 35 %WV 594 ntains a chemical know luctive harm. arcinogenic substance Listed: January 1, Listed: January 1, Listed: January 1, Listed: July 1, 198 Listed: October 1, Listed: October 1, Listed: October 1, Listed: October 1, Listed: October 1, Listed: July 1, 198	CFR 1310.02(b) and 1 xtures (21 CFR 1310.1 vn to the State of Califo e 1989 1989 1987 8 1989 1989 1989 1989	2(c))
Clean Air Act (CAA) S Not regulated. Safe Drinking Water (SDWA) Drug Enforceme Chemical Code N Toluene (CAS Drug Enforceme Toluene (CAS DEA Exempt Che Toluene (CAS DEA Exempt Che Toluene (CAS State regulations US - California P 4,4'-DDD (CA 4,4'-DDD (CA 4,4'-DDT (CA Aldrin (TM) (C BHC (alpha is BHC (beta iso BHC (delta is Dieldrin (CAS Heptachlor (C	Act Not regulat nt Administration (I Number S 108-88-3) nt Administration (I S 108-88-3) emical Mixtures Cod S 108-88-3) WARNING birth defect roposition 65 - CRT AS 72-54-8) AS 72-54-8) AS 72-55-9) AS 50-29-3) CAS 309-00-2) somer) (CAS 319-84- pomer) (CAS 319-85-7 pomer) (CAS 319-86-5 60-57-1)	ed. DEA). List 2, Est DEA). List 1 & 2 de Number : This product co s or other reproc : Listed date/Ca -6) 7) 8)	sential Chemicals (21 6594 Exempt Chemical Mi 35 %WV 594 ntains a chemical know luctive harm. arcinogenic substance Listed: January 1, Listed: January 1, Listed: January 1, Listed: October 1, Listed: October 1, Listed: October 1, Listed: October 1, Listed: October 1,	CFR 1310.02(b) and 1 xtures (21 CFR 1310.1 vn to the State of Califo re 1989 1989 1987 8 1989 1987 8 1989 1987 8 8	2(c))

Listed: October 1, 1989

Lindane (BHC gamma isomer) (CAS 58-89-9)

US - California Propos	ition 65 - CRT: Listed date/Dev	velopmental toxin	
4,4'-DDE (CAS 72-5	55-9)	Listed: March 30, 2010	
4,4'-DDT (CAS 50-2	29-3)	Listed: May 15, 1998	
Endrin (CAS 72-20-	8)	Listed: May 15, 1998	
Heptachlor (CAS 76	6-44-8)	Listed: August 20, 1999	
Heptachlor epoxide	(Isomer B) (CAS 1024-57-3)	Listed: August 20, 1999	
Toluene (CAS 108-	88-3)	Listed: January 1, 1991	
US - California Propos	ition 65 - CRT: Listed date/Fen	nale reproductive toxin	
4,4'-DDT (CAS 50-2	29-3)	Listed: May 15, 1998	
US - California Propos	ition 65 - CRT: Listed date/Mal	e reproductive toxin	
4,4'-DDE (CAS 72-5	55-9)	Listed: March 30, 2010	
4,4'-DDT (CAS 50-2	29-3)	Listed: May 15, 1998	
US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3,			
subd. (a))			
4,4'-DDD (CAS 72-5	54-8)		
4,4'-DDE (CAS 72-5	55-9)		
4,4'-DDT (CAS 50-2	29-3)		
Methoxychlor (CAS	72-43-5)		
n-Hexane (CAS 110)-54-3)		
Toluene (CAS 108-	88-3)		
International Inventories			
Country(s) or region	Inventory name		On inventory (yes/no)*
Australia	Australian Inventory of Chem	ical Substances (AICS)	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
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, including date of preparation or last revision

Issue date	09-05-2014
Revision date	04-29-2019
Version #	02
NFPA ratings	Health: 2 Flammability: 3 Instability: 0

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Revision information