SAFETY DATA SHEET



1. Identification

Product identifier Organochlorine Pesticides Mixture-608/625/8080/8081

Other means of identification

ItemM-PPO8AC1Recommended useNot available.Recommended restrictionsNone known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company nameChem Service, Inc.Address660 Tower Lane

West Chester, PA 19380

United States

Telephone Toll Free 800-452-9994

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 hazardsFlammable liquidsCategory 2Health hazardsAcute toxicity, oralCategory 4Acute toxicity, dermalCategory 4Skin corrosion/irritationCategory 2

Serious eye damage/eye irritation Category 2A Reproductive toxicity Category 1A

Specific target organ toxicity, single exposure Category 3 narcotic effects

Specific target organ toxicity, repeated

exposure

Aspiration hazard Category 1

Environmental hazards Hazardous to the aquatic environment, acute Category 1

hazard

Hazardous to the aquatic environment,

long-term hazard

Not classified.

Label elements

OSHA defined hazards



Signal word Danger

Hazard statement 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

Category 1

Category 1

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	49 - 50
Toluene		108-88-3	49 - 50
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

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.

Material name: Organochlorine Pesticides Mixture-608/625/8080/8081
M-PPO8AC1 Version #: 02 Revision date: 01-26-2021 Issue date: 10-07-2014

Most important symptoms/effects, acute and delayed

Indication of immediate medical attention and special treatment needed

General information

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.

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.

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
General fire hazards

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

Highly flammable liquid and vapor.

6. Accidental release measures

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.

M-PPO8AC1 Version #: 02 Revision date: 01-26-2021 Issue date: 10-07-2014 3 / 16

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).

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.

O)
Ų

Components	Туре	Value	
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	
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	S		
Components	Туре	Value	Form
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.
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	•

Material name: Organochlorine Pesticides Mixture-608/625/8080/8081

M-PPO8AC1 Version #: 02 Revision date: 01-26-2021 Issue date: 10-07-2014 4 / 16

US. ACGIH Threshold Limit Values		F	
Components	Туре	Value Form	
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	
n-Hexane (CAS 110-54-3)	TWA	50 ppm	
Toluene (CAS 108-88-3)	TWA	20 ppm	
US. NIOSH: Pocket Guide to Chem	ical Hazards		
Components	Туре	Value	
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

ACGIH	Biological	Exposure	Indices

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)
a-Endosulfan (CAS 959-98-8)
Aldrin (TM) (CAS 309-00-2)
b-Endosulfan (CAS 33213-65-9)
Dieldrin (CAS 60-57-1)
Endrin (CAS 72-20-8)
Heptachlor (CAS 76-44-8)
Heptachlor epoxide (Isomer B) (CAS 1024-57-3)
Lindane (BHC gamma isomer) (CAS 58-89-9)
n-Hexane (CAS 110-54-3)
Toluene (CAS 108-88-3)

US - Minnesota Haz Subs: Skin designation applies

a-Endosulfan (CAS 959-98-8) Aldrin (TM) (CAS 309-00-2) b-Endosulfan (CAS 33213-65-9) Dieldrin (CAS 60-57-1) Endrin (CAS 72-20-8) Can be absorbed through the skin. Can be absorbed through the skin.

Skin designation applies. Heptachlor (CAS 76-44-8)

Heptachlor epoxide (Isomer B) (CAS 1024-57-3)

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

Toluene (CAS 108-88-3)

Skin designation applies.

Skin designation applies.

Skin designation applies.

US - Tennessee OELs: Skin designation

4,4'-DDT (CAS 50-29-3) Can be absorbed through the skin. a-Endosulfan (CAS 959-98-8) 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.

US ACGIH Threshold Limit Values: Skin designation

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.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

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.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

4,4'-DDT (CAS 50-29-3)

Aldrin (TM) (CAS 309-00-2)

Dieldrin (CAS 60-57-1)

Endrin (CAS 72-20-8)

Heptachlor (CAS 76-44-8)

Heptachlor epoxide (Isomer B) (CAS 1024-57-3)

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

Can be absorbed through the skin.

Appropriate engineering controls

Explosion-proof 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. Provide eyewash station. Eye wash fountain and emergency showers are recommended.

Individual protection measures, such as personal protective equipment

Eye/face protection Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection Chemical respirator with organic vapor cartridge and full facepiece.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

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. Liquid. **Form**

Color Not available. Not available. Odor **Odor threshold** Not available. Not available.

Melting point/freezing point Initial boiling point and boiling

-138.82 °F (-94.9 °C) estimated

155.66 °F (68.7 °C) estimated

range

Flash point

-7.0 °F (-21.7 °C) estimated

Not available. **Evaporation rate** Not applicable. Flammability (solid, gas) Upper/lower flammability or explosive limits

Flammability limit - lower

1.1 % estimated

(%)

Flammability limit - upper

(%)

7.5 % estimated

Explosive limit - lower (%) Not available. Not available. Explosive limit - upper (%)

115.16 hPa estimated Vapor pressure

Vapor density Not available. Relative density Not available.

Solubility(ies)

Not available. Solubility (water) Partition coefficient Not available.

(n-octanol/water)

437 °F (225 °C) estimated **Auto-ignition temperature**

Decomposition temperature Not available. **Viscosity** Not available.

Other information

Density 0.86555 g/cm3 estimated

Not explosive. **Explosive properties**

Flammability class Flammable IB estimated

Not oxidizing. Oxidizing properties Percent volatile 50 % estimated 0.87 estimated Specific gravity VOC 50 % estimated

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Material is stable under normal conditions. **Chemical stability** Possibility of hazardous Hazardous polymerization does not occur.

reactions

Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the

flash point. Contact with incompatible materials.

Strong oxidizing agents. Incompatible materials

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

May cause damage to organs through prolonged or repeated exposure by inhalation. May cause Inhalation

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 e	nters airways. Harmful in contact with skin.
Components	Species	Test Results
4,4'-DDD (CAS 72-54-8)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	1200 mg/kg
Oral		
LD50	Rat	113 mg/kg
4,4'-DDE (CAS 72-55-9)		
<u>Acute</u>		
Oral	D./	000 !!
LD50	Rat	880 mg/kg
4,4'-DDT (CAS 50-29-3)		
<u>Acute</u> Dermal		
LD50	Rabbit	300 mg/kg
Oral	Rabbit	ooo mg/kg
LD50	Rat	87 mg/kg
a-Endosulfan (CAS 959-98-8)		ogg
Acute		
Dermal		
LD50	Rat	34 mg/kg
Inhalation		
LC50	Rat	0.08 mg/l, 4 Hours
Aldrin (TM) (CAS 309-00-2)		
<u>Acute</u>		
Dermal		
LD50	Rat	98 mg/kg
b-Endosulfan (CAS 33213-65-9	()	
<u>Acute</u>		
Dermal	5 .	
LD50	Rat	34 mg/kg
Inhalation	Det	0.00
LC50	Rat	0.08 mg/l, 4 Hours
BHC (alpha isomer) (CAS 319-8	84-6)	
<u>Acute</u> Dermal		
LD50	Rat	0.9 mg/kg
Oral		5.5 5 5
LD50	Rat	177 mg/kg
		

Material name: Organochlorine Pesticides Mixture-608/625/8080/8081
M-PPO8AC1 Version #: 02 Revision date: 01-26-2021 Issue date: 10-07-2014

Components Species Test Results

BHC (beta isomer) (CAS 319-85-7)

<u>Acute</u>

Dermal

LD50 Rat 0.9 mg/kg

BHC (delta isomer) (CAS 319-86-8)

Acute Dermal

LD50 Rat 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) (CAS 58-89-9)

<u>Acute</u>

Dermal

LD50 Rabbit 50 mg/kg

Inhalation

LC50 Rat 1.56 mg/l

Oral

LD50 Rat 76 mg/kg

n-Hexane (CAS 110-54-3)

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

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye Causes serious eye irritation.

irritation

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

4,4'-DDT (CAS 50-29-3) 2A Probably carcinogenic to humans.

Aldrin (TM) (CAS 309-00-2) 3 Not classifiable as to carcinogenicity to humans.

BHC (alpha isomer) (CAS 319-84-6)

BHC (beta isomer) (CAS 319-85-7)

BHC (delta isomer) (CAS 319-86-8)

2B Possibly carcinogenic to humans.

2B Possibly carcinogenic to humans.

2B Possibly carcinogenic to humans.

Dieldrin (CAS 60-57-1) 3 Not classifiable as to carcinogenicity to humans.

^{*} Estimates for product may be based on additional component data not shown.

Endrin (CAS 72-20-8) 3 Not classifiable as to carcinogenicity to humans.

Heptachlor (CAS 76-44-8) 2B Possibly carcinogenic to humans. Heptachlor epoxide (Isomer B) (CAS 1024-57-3) 2B Possibly carcinogenic to humans.

Lindane (BHC gamma isomer) (CAS 58-89-9) 1 Carcinogenic to humans.

3 Not classifiable as to carcinogenicity to humans. Toluene (CAS 108-88-3)

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

4,4'-DDT (CAS 50-29-3) Reasonably Anticipated to be a Human Carcinogen. BHC (alpha isomer) (CAS 319-84-6) Reasonably Anticipated to be a Human Carcinogen. BHC (beta isomer) (CAS 319-85-7) Reasonably Anticipated to be a Human Carcinogen. BHC (delta isomer) (CAS 319-86-8) Reasonably Anticipated to be a Human Carcinogen. Lindane (BHC gamma isomer) (CAS 58-89-9) Reasonably Anticipated to be a Human Carcinogen.

Reproductive toxicity May damage fertility or the unborn child.

Specific target organ toxicity -

single exposure

May cause drowsiness and dizziness.

Specific target organ toxicity -

Causes damage to organs through prolonged or repeated exposure.

repeated exposure

May be fatal if swallowed and enters airways.

Aspiration hazard Chronic effects

Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be

harmful.

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Components		Species	Test Results
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	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
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 33	213-65-9)		
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

Material name: Organochlorine Pesticides Mixture-608/625/8080/8081

SDS US M-PPO8AC1 Version #: 02 Revision date: 01-26-2021 Issue date: 10-07-2014

Components		Species	Test Results
BHC (alpha isomer) (CAS 31	19-84-6)		
Aquatic			
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 319	9-85-7)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	0.68 mg/l, 48 hours
Fish	LC50	Guppy (Poecilia reticulata)	1 - 3.55 mg/l, 96 hours
BHC (delta isomer) (CAS 31	9-86-8)		
Aquatic			
Crustacea	EC50	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			
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 (Isomer	B) (CAS 1024-57-	-3)	
Aquatic			
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 isome	er) (CAS 58-89-9)		
Aquatic			
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
n-Hexane (CAS 110-54-3)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	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 (Oncorhynchus kisutch)	8.11 mg/l, 96 hours

^{*} Estimates for product may be based on additional component data not shown.

Persistence and degradability

Bioaccumulative potential

4,4'-DDD		•	6.02
4,4'-DDE			6.51
4,4'-DDT			6.91

Partition coefficient n-octanol / water (log Kow)

a-Endosulfan	3.83
Aldrin (TM)	6.5
b-Endosulfan	3.83
BHC (alpha isomer)	3.8
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 B)	5.4
Lindane (BHC gamma isomer)	3.72
n-Hexane	3.9
Toluene	2.73

Mobility in soil No data available.

Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation

potential.

13. Disposal considerations

Disposal instructionsCollect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow

this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches

with chemical or used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste codeThe waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

US RCRA Hazardous Waste P List: Reference

a-Endosulfan (CAS 959-98-8)	P050
Aldrin (TM) (CAS 309-00-2)	P004
b-Endosulfan (CAS 33213-65-9)	P050
Dieldrin (CAS 60-57-1)	P037
Endrin (CAS 72-20-8)	P051
Heptachlor (CAS 76-44-8)	P059
Heptachlor epoxide (Isomer B) (CAS 1024-57-3)	P059

Waste from residues / unused

products

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

DOT

UN number UN1993

UN proper shipping name Flammable liquids, n.o.s. (Toluene RQ = 2000 LBS, n-Hexane RQ = 10000 LBS), MARINE

POLLUTANT

Transport hazard class(es)

Class 3
Subsidiary risk Label(s) 3
Packing group ||
Environmental hazards

Marine pollutant

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Special provisions IB2, T7, TP1, TP8, TP28

Yes

Packaging exceptions 150
Packaging non bulk 202
Packaging bulk 242

IATA

UN number UN1993

M-PPO8AC1 Version #: 02 Revision date: 01-26-2021 Issue date: 10-07-2014

UN proper shipping name Transport hazard class(es)

Flammable liquid, n.o.s. (Toluene, n-Hexane)

3 Class

Subsidiary risk Packing group Ш **Environmental hazards** Yes 3H **ERG Code**

Other information

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Passenger and cargo

Allowed with restrictions.

aircraft

Cargo aircraft only Allowed with restrictions.

IMDG

UN number UN1993

UN proper shipping name Transport hazard class(es) FLAMMABLE LIQUID, N.O.S. (Toluene, n-Hexane), MARINE POLLUTANT

3 **Class** Subsidiary risk П Packing group

Environmental hazards

Marine pollutant Yes **EmS** F-E, S-E

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Not established.

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)

4,4'-DDT (CAS 50-29-3) 0.1 % One-Time Export Notification only. 1.0 % One-Time Export Notification only. Endrin (CAS 72-20-8)

CERCLA Hazardous Substance List (40 CFR 302.4)

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. Toluene (CAS 108-88-3) Listed.	4,4'-DDD (CAS 72-54-8)	Listed.
a-Endosulfan (CAS 959-98-8) Aldrin (TM) (CAS 309-00-2) b-Endosulfan (CAS 33213-65-9) BHC (alpha isomer) (CAS 319-84-6) 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) Endrin (CAS 72-20-8) Endrin aldehyde (CAS 7421-93-4) Heptachlor (CAS 76-44-8) Heptachlor epoxide (Isomer B) (CAS 1024-57-3) Listed. Listed. Listed. Listed. Heptachlor gamma isomer) (CAS 58-89-9) Listed. Listed. Listed. Listed. Listed.	4,4'-DDE (CAS 72-55-9)	Listed.
Aldrin (TM) (CAS 309-00-2) b-Endosulfan (CAS 33213-65-9) BHC (alpha isomer) (CAS 319-84-6) BHC (beta isomer) (CAS 319-85-7) BHC (delta isomer) (CAS 319-86-8) Dieldrin (CAS 60-57-1) Endosulfan sulfate (CAS 1031-07-8) Endrin (CAS 72-20-8) Endrin aldehyde (CAS 7421-93-4) Heptachlor (CAS 76-44-8) Heptachlor epoxide (Isomer B) (CAS 1024-57-3) Listed. Listed. Listed. Listed. Heptachlor epoxide (Isomer B) (CAS 1024-57-3) Listed. Lindane (BHC gamma isomer) (CAS 58-89-9) n-Hexane (CAS 110-54-3) Listed.	4,4'-DDT (CAS 50-29-3)	Listed.
b-Endosulfan (CAS 33213-65-9) BHC (alpha isomer) (CAS 319-84-6) BHC (beta isomer) (CAS 319-85-7) BHC (delta isomer) (CAS 319-86-8) Dieldrin (CAS 60-57-1) Endosulfan sulfate (CAS 1031-07-8) Endrin (CAS 72-20-8) Endrin aldehyde (CAS 7421-93-4) Heptachlor (CAS 76-44-8) Heptachlor epoxide (Isomer B) (CAS 1024-57-3) Listed. Listed. Listed. Listed. Listed. Heptachlor epoxide (Isomer B) (CAS 1024-57-3) Listed.	a-Endosulfan (CAS 959-98-8)	Listed.
BHC (alpha isomer) (CAS 319-84-6) 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) 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. n-Hexane (CAS 110-54-3) Listed.	Aldrin (TM) (CAS 309-00-2)	Listed.
BHC (beta isomer) (CAS 319-85-7) BHC (delta isomer) (CAS 319-86-8) Dieldrin (CAS 60-57-1) Endosulfan sulfate (CAS 1031-07-8) Endrin (CAS 72-20-8) Endrin aldehyde (CAS 7421-93-4) Heptachlor (CAS 76-44-8) Heptachlor epoxide (Isomer B) (CAS 1024-57-3) Listed.	b-Endosulfan (CAS 33213-65-9)	Listed.
BHC (delta isomer) (CAS 319-86-8) Dieldrin (CAS 60-57-1) Endosulfan sulfate (CAS 1031-07-8) Endrin (CAS 72-20-8) Endrin aldehyde (CAS 7421-93-4) Heptachlor (CAS 76-44-8) Heptachlor epoxide (Isomer B) (CAS 1024-57-3) Listed. Lindane (BHC gamma isomer) (CAS 58-89-9) n-Hexane (CAS 110-54-3) Listed.	BHC (alpha isomer) (CAS 319-84-6)	Listed.
Dieldrin (CAS 60-57-1) Endosulfan sulfate (CAS 1031-07-8) Endrin (CAS 72-20-8) Endrin aldehyde (CAS 7421-93-4) Heptachlor (CAS 76-44-8) Heptachlor epoxide (Isomer B) (CAS 1024-57-3) Listed. Lindane (BHC gamma isomer) (CAS 58-89-9) n-Hexane (CAS 110-54-3) Listed.	BHC (beta isomer) (CAS 319-85-7)	Listed.
Endosulfan sulfate (CAS 1031-07-8) Endrin (CAS 72-20-8) Endrin aldehyde (CAS 7421-93-4) Heptachlor (CAS 76-44-8) Heptachlor epoxide (Isomer B) (CAS 1024-57-3) Listed. Lindane (BHC gamma isomer) (CAS 58-89-9) n-Hexane (CAS 110-54-3) Listed.	BHC (delta isomer) (CAS 319-86-8)	Listed.
Endrin (CAS 72-20-8) Endrin aldehyde (CAS 7421-93-4) Heptachlor (CAS 76-44-8) Heptachlor epoxide (Isomer B) (CAS 1024-57-3) Listed. Lindane (BHC gamma isomer) (CAS 58-89-9) n-Hexane (CAS 110-54-3) Listed.	Dieldrin (CAS 60-57-1)	Listed.
Endrin aldehyde (CAS 7421-93-4) Heptachlor (CAS 76-44-8) Heptachlor epoxide (Isomer B) (CAS 1024-57-3) Lindane (BHC gamma isomer) (CAS 58-89-9) Listed. n-Hexane (CAS 110-54-3) Listed.	Endosulfan sulfate (CAS 1031-07-8)	Listed.
Heptachlor (CAS 76-44-8) Heptachlor epoxide (Isomer B) (CAS 1024-57-3) Lindane (BHC gamma isomer) (CAS 58-89-9) n-Hexane (CAS 110-54-3) Listed. Listed.	Endrin (CAS 72-20-8)	Listed.
Heptachlor epoxide (Isomer B) (CAS 1024-57-3) Listed. Lindane (BHC gamma isomer) (CAS 58-89-9) Listed. n-Hexane (CAS 110-54-3) Listed.	Endrin aldehyde (CAS 7421-93-4)	Listed.
Lindane (BHC gamma isomer) (CAS 58-89-9) Listed. n-Hexane (CAS 110-54-3) Listed.	Heptachlor (CAS 76-44-8)	Listed.
n-Hexane (CAS 110-54-3) Listed.	Heptachlor epoxide (Isomer B) (CAS 1024-57-3)	Listed.
,	Lindane (BHC gamma isomer) (CAS 58-89-9)	Listed.
Toluene (CAS 108-88-3)	n-Hexane (CAS 110-54-3)	Listed.
roldene (et le 100 00 0)	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 1910.1001-1050)

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

SARA 302 Extremely hazardous substance

Chemical name	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 Hazardous

chemical

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.	
n-Hexane	110-54-3	49 - 50	
Toluene	108-88-3	49 - 50	

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

4,4'-DDD (CAS 72-54-8)

4,4'-DDE (CAS 72-55-9)

4,4'-DDT (CAS 50-29-3)

Material name: Organochlorine Pesticides Mixture-608/625/8080/8081

M-PPO8AC1 Version #: 02 Revision date: 01-26-2021 Issue date: 10-07-2014

SDS US

14 / 16

```
Heptachlor (CAS 76-44-8)
```

Heptachlor epoxide (Isomer B) (CAS 1024-57-3)

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

n-Hexane (CAS 110-54-3) Toluene (CAS 108-88-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Toluene (CAS 108-88-3) 6594

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Toluene (CAS 108-88-3) 35 %WV

DEA Exempt Chemical Mixtures Code Number

Toluene (CAS 108-88-3) 594

US state regulations

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

4.4'-DDD (CAS 72-54-8) Listed: January 1, 1989 4,4'-DDE (CAS 72-55-9) Listed: January 1, 1989 4,4'-DDT (CAS 50-29-3) Listed: October 1, 1987 Aldrin (TM) (CAS 309-00-2) Listed: July 1, 1988 BHC (alpha isomer) (CAS 319-84-6) Listed: October 1, 1989 BHC (beta isomer) (CAS 319-85-7) Listed: October 1, 1989 BHC (delta isomer) (CAS 319-86-8) Listed: October 1, 1987 Dieldrin (CAS 60-57-1) Listed: July 1, 1988 Heptachlor (CAS 76-44-8) Listed: July 1, 1988 Heptachlor epoxide (Isomer B) (CAS 1024-57-3) Listed: July 1, 1988 Lindane (BHC gamma isomer) (CAS 58-89-9) Listed: October 1, 1989

US - California Proposition 65 - CRT: Listed date/Developmental toxin

4,4'-DDE (CAS 72-55-9)Listed: March 30, 20104,4'-DDT (CAS 50-29-3)Listed: May 15, 1998Endrin (CAS 72-20-8)Listed: May 15, 1998Heptachlor (CAS 76-44-8)Listed: August 20, 1999Heptachlor epoxide (Isomer B) (CAS 1024-57-3)Listed: August 20, 1999Toluene (CAS 108-88-3)Listed: January 1, 1991

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

4,4'-DDT (CAS 50-29-3) Listed: May 15, 1998

US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

4,4'-DDE (CAS 72-55-9) Listed: March 30, 2010 4,4'-DDT (CAS 50-29-3) 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 72-54-8) 4,4'-DDE (CAS 72-55-9) 4,4'-DDT (CAS 50-29-3) 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 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

Country(s) or region Inventory name On inventory (yes/no)*

KoreaExisting Chemicals List (ECL)NoNew ZealandNew Zealand InventoryNo

Philippines Philippine Inventory of Chemicals and Chemical Substances

(PICCS)

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
 10-07-2014

 Revision date
 01-26-2021

Version # 02

NFPA ratings Health: 2

Flammability: 3 Instability: 0

Disclaimer

Chem Service, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The above information is believed to be correct on the date it was last revised and must not be considered all inclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. OSHA regulations require that if other hazards become evident, an upgraded SDS must be made available to the employee within three months. RESPONSIBILITY for updates lies with the employer and not with CHEM SERVICE, Inc.

Persons not specifically and properly trained should not handle this chemical or its container. This product is furnished FOR LABORATORY USE ONLY! Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticide products, food additives or as household chemicals.

This Safety Data Sheet (SDS) is intended only for use with Chem Service, Inc. products and should not be relied on for use with materials from any other supplier even if the chemical name(s) on the product are identical! Whenever using an SDS for a solution or mixture the user should refer to the SDS for every component of the solution or mixture. Chem Service warrants that this SDS is based upon the most current information available to Chem Service at the time it was last revised. THIS WARRANTY IS EXCLUSIVE, AND CHEM SERVICE, INC. MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. This SDS is provided gratis and CHEM SERVICE, INC. SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR CONTINGENT DAMAGES.

Copyright © 2000-2014 Chem Service, Inc. All rights reserved except that this SDS may be printed for the use of a customer or prospective customer of Chem Service, Inc provided the entire SDS is printed. The SDS may not be placed in any database or otherwise stored or distributed in electronic or any other form.

This product is furnished FOR LABORATORY USE ONLY.

Revision informationThis document has undergone significant changes and should be reviewed in its entirety.

Material name: Organochlorine Pesticides Mixture-608/625/8080/8081
M-PPO8AC1 Version #: 02 Revision date: 01-26-2021 Issue date: 10-07-2014

No