

# SAFETY DATA SHEET



## 1. Identification

<b>Product identifier</b>	<b>Doramectin Injectable Solution 10 mg/ml</b>
<b>Other means of identification</b>	
<b>Synonyms</b>	DECTOMAX® * Dectomax injectable solution (with phenol preservative)
<b>Recommended use</b>	Veterinary antiparasitic ( endectocide )
<b>Recommended restrictions</b>	Not for human use
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Company Name (US)</b>	Zoetis Inc. 10 Sylvan Way Parsippany, New Jersey 07054 (USA)
<b>Rocky Mountain Poison &amp; Drug Safety</b>	1-866-531-8896
<b>Product Support/Technical Services</b>	1-888-963-8471
<b>Emergency telephone numbers</b>	CHEMTREC (24 hours): 1-800-424-9300  International CHEMTREC (24 hours): +1-703-527-3887
<b>Company Name (EU)</b>	Zoetis Belgium S.A. Rue Laid Burniat 1 1348 Louvain-la-Neuve Belgium
<b>Telephone</b>	+32 10 808080
<b>Emergency telephone number</b>	International CHEMTREC (24 hours): +1-703-527-3887
<b>Contact E-Mail</b>	VMIPSrecords@zoetis.com

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Reproductive toxicity	Category 2
	Reproductive toxicity	Effects on or via lactation
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1
<b>OSHA defined hazards</b>	Not classified.	

### Label elements



<b>Signal word</b>	Warning
<b>Hazard statement</b>	Suspected of damaging fertility or the unborn child. May cause harm to breast-fed children. Very toxic to aquatic life with long lasting effects.
<b>Precautionary statement</b>	
<b>Prevention</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust or mists. Avoid contact during pregnancy/while nursing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	If exposed or concerned: Get medical advice/attention. Collect spillage.
<b>Storage</b>	Store locked up.

<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Doramectin		117704-25-3	1
Phenol		108-95-2	0.25

**Composition comments** In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret. Other components below reportable levels

### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention. In the event of accidental self injection or needle stick injury, wash the injury thoroughly with clean running water. Get medical attention immediately.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present and easy to do.
<b>Ingestion</b>	Rinse mouth. Call a physician or poison control center immediately. Do not induce vomiting without advice from poison control center. Never give anything by mouth to a victim who is unconscious or is having convulsions.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort. Mild skin irritation. Exposure may cause temporary irritation, redness, or discomfort. May cause an allergic skin reaction. Dermatitis. Rash. May cause central nervous system effects. May cause reproductive effects. In the event of accidental injection, an allergic reaction may occur.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
<b>General information</b>	IF exposed or concerned: Get medical advice/attention. 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. For personal protection, see section 8 of the SDS.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. 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. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. Avoid contact with eyes, skin, and clothing. For personal protection, see section 8 of the SDS.
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**Methods and materials for containment and cleaning up**

Remove sources of ignition. Ensure adequate ventilation. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Clean contaminated surface thoroughly.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

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

**Environmental precautions**

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.

**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. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. Avoid accidental injection.

**Conditions for safe storage, including any incompatibilities**

Store locked up. Keep away from heat, sparks and open flame. Use appropriate container to avoid environmental contamination. Store in a well-ventilated place. Do not allow material to freeze. Store away from incompatible materials (see Section 10 of the SDS). Store below 30°C.

**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.

**Zoetis****Components****Type****Value**

Doramectin (CAS 117704-25-3)

TWA

200 µg/m<sup>3</sup>

**US. OSHA Table Z-1 Permissible Exposure Limits (PEL) for Air Contaminants (29 CFR 1910.1000)****Components****Type****Value**

PHENOL (CAS 108-95-2)

PEL

19 mg/m<sup>3</sup>  
5 ppm

**US. ACGIH Threshold Limit Values (TLV)****Components****Type****Value**

PHENOL (CAS 108-95-2)

TWA

5 ppm

**NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended****Components****Type****Value**

PHENOL (CAS 108-95-2)

IDLH

1.8 %  
250 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)****Components****Type****Value**

PHENOL (CAS 108-95-2)

Ceiling

60 mg/m<sup>3</sup>  
15.6 ppm

TWA

19 mg/m<sup>3</sup>  
5 ppm

**Biological limit values****ACGIH Biological Exposure Indices (BEI)****Components****Value****Determinant****Specimen****Sampling Time**

PHENOL (CAS 108-95-2)

250 mg/g

Phenol with hydrolysis

Creatinine in urine

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

## Exposure guidelines

### US - California OELs: Skin designation

Phenol (CAS 108-95-2)

Can be absorbed through the skin.

### US - Minnesota Haz Subs: Skin designation applies

Phenol (CAS 108-95-2)

Skin designation applies.

### US - Tennessee OELs: Skin designation

Phenol (CAS 108-95-2)

Can be absorbed through the skin.

### US ACGIH Threshold Limit Values: Skin designation

Phenol (CAS 108-95-2)

Danger of cutaneous absorption

### US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Phenol (CAS 108-95-2)

Can be absorbed through the skin.

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

Phenol (CAS 108-95-2)

Can be absorbed through the skin.

## Control banding approach

Not available.

## Appropriate engineering controls

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. General ventilation normally adequate.

## Individual protection measures, such as personal protective equipment

### Eye/face protection

Wear safety glasses or goggles if eye contact is possible.

### Skin protection

#### Hand protection

Wear appropriate chemical resistant gloves. Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations.

#### Other

Wear suitable protective clothing. Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.

### Respiratory protection

No personal respiratory protective equipment normally required. Whenever air contamination (mist, vapor or odor) is generated, respiratory protection is recommended as a precaution to minimize exposure. If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

### Thermal hazards

Not applicable.

## General hygiene considerations

Observe any medical surveillance requirements. When using, do not eat, drink or smoke. 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

Colorless to pale-yellow.

### Odor

Not available.

### Odor threshold

Not available.

### pH

Not available.

### Melting point/freezing point

Not available.

### Initial boiling point and boiling range

Not available.

### Flash point

Not available.

### Evaporation rate

Not available.

### Flammability (solid, gas)

Not applicable.

### Upper/lower flammability or explosive limits

#### Explosive limit - lower (%)

Not available.

#### Explosive limit - upper (%)

Not available.

### Vapor pressure

Not available.

### Vapor density

Not available.

### Relative density

Not available.

<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Contact with incompatible materials. Keep away from heat, sparks and open flame. Avoid release to the environment.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Prolonged inhalation may be harmful. Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Skin contact</b>	Prolonged skin contact may cause temporary irritation. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Doramectin	Species: Rabbit Severity: Non-irritating
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
Doramectin	Species: Rabbit Severity: Non-irritating
<b>Ingestion</b>	May be harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort. Mild skin irritation. Exposure may cause temporary irritation, redness, or discomfort. May cause an allergic skin reaction. Dermatitis. Rash. May cause reproductive effects. Prolonged exposure may cause chronic effects. May cause central nervous system effects.
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### Information on toxicological effects

<b>Acute toxicity</b>	Expected to be a low hazard for usual industrial or commercial handling by trained personnel.
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Product	Species	Test Results
Doramectin Injectable Solution 10 mg/ml		
<b><u>Acute</u></b>		
<b>Dermal</b>		
ATE		> 5000 mg/kg
<b>Inhalation</b>		
ATE		> 10 mg/l
<b>Oral</b>		
ATE		> 5000 mg/kg

Components	Species	Test Results
Doramectin (CAS 117704-25-3)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg
<b>Inhalation</b>		
<i>Dust</i>		
LC50	Rat	0.54 mg/l, 4 hours
<b>Oral</b>		
LD50	Rat (F)	500 - 1000 mg/kg
	Rat (M)	1000 - 2000 mg/kg
<b><u>Subchronic</u></b>		
<b>Oral</b>		
NOEL	Dog	0.1 mg/kg/day, 3 months (Central Nervous System)
	Rat	2 mg/kg/day, 3 months (Liver)
Phenol (CAS 108-95-2)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	630 mg/kg
	Rat	535 mg/kg
<b>Oral</b>		
LD50	Mouse	270 mg/kg
	Rat	317 mg/kg
<b><u>Chronic</u></b>		
<b>Oral</b>		
NOAEL	Mouse	5000 ppm, 103 weeks (Not carcinogenic)
	Rat	5000 ppm, 103 weeks (Not carcinogenic)
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.	
<b>Corrosivity</b>		
Doramectin	Species: Rabbit Severity: Non-irritating	
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.	
<b>Eye Contact</b>		
Doramectin	Species: Rabbit Severity: Non-irritating	
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.	
<b>Skin sensitization</b>		
Doramectin	LLNA, concentrations up to 5% Result: Negative Species: Mouse	
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Mutagenicity</b>		
Doramectin	Bacterial Mutagenicity (Ames) Result: Negative Species: Salmonella	

**Mutagenicity**  
Doramectin

In vivo Micronucleus  
Result: Negative  
Species: Mouse

Mammalian Cell Mutagenicity  
Result: Negative  
Species: Mouse Lymphoma

Unscheduled DNA Synthesis  
Result: Negative  
Species: Rat Hepatocyte

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Phenol (CAS 108-95-2) 3 Not classifiable as to carcinogenicity to humans.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity** May cause harm to breastfed babies. Suspected of damaging fertility or the unborn child.

**Developmental effects**

Doramectin

> 6 mg/kg/day Embryo / Fetal Development, Not teratogenic  
Result: NOEL  
Species: Rat  
Organ: Oral

0.75 mg/kg/day Embryo / Fetal Development, Maternal  
Toxicity, Teratogenic  
Result: NOEL  
Species: Rabbit  
Organ: Oral

Phenol

120 mg/kg Embryo / Fetal Development, Fetotoxicity Not  
Teratogenic  
Result: LOAEL  
Species: Rat  
Organ: Oral

200 mg/kg Embryo / Fetal Development, No effects at  
maximum dose  
Result: NOAEL  
Species: Rat  
Organ: Intraperitoneal

Doramectin

3 mg/kg/day Embryo / Fetal Development, Fetotoxicity, Not  
Teratogenic  
Result: NOEL  
Species: Mouse  
Organ: Oral

Phenol

53 mg/kg Fertility and Embryonic Development, Maternal  
Toxicity Fetotoxicity Not Teratogenic  
Result: LOAEL  
Species: Rat  
Organ: Oral

**Reproductivity**

Doramectin

0.3 mg/kg/day 2-generation, No effects except lower pup  
weight during lactation  
Result: NOEL  
Species: Rat  
Organ: Oral

**Reproductivity**

Phenol

1000 ppm 2 Generation Reproductive Toxicity, No effects at maximum dose

Result: NOAEL

Species: Rat

Organ: Oral

<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met. Nervous system. This product may affect through prolonged or repeated exposure.
<b>Aspiration hazard</b>	Not an aspiration hazard.
<b>Chronic effects</b>	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.
<b>Further information</b>	CAUTION! Occupational exposure to the substance or mixture may cause adverse effects. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage. In the event of accidental injection, an allergic reaction may occur.

**12. Ecological information**

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

Components		Species	Test Results
Doramectin (CAS 117704-25-3)			
Acute	EC50	Activated sludge	> 1000 mg/l, 3 hours
	MIC	Aspergillus niger (Fungus)	600 mg/L
		Clostridium perfringens (Bacterium)	40 mg/L
	NOEC	Eisenia foetida (Earthworm)	0.89 mg/kg, 56 days (reproduction)
	LC50	Eisenia foetida (Earthworm)	> 1000 mg/kg, 14 days
			> 1000 mg/kg, 28 days
			> 1000 mg/kg, 7 days
Aquatic			
Algae	MIC	Selenastrum capricornutum (Green Alga)	> 0.026 mg/l, 14 days
	NOEL	Selenastrum capricornutum (Green Alga)	0.026 mg/l, 14 days
Acute			
Crustacea	EC50	Daphnia magna (Water Flea)	0.0001 mg/L, 48 Hours
Fish	LC50	Lepomis macrochirus (Bluegill Sunfish)	0.011 mg/L, 96 Hours
		Oncorhynchus mykiss (Rainbow Trout)	0.0051 mg/L, 96 Hours
Phenol (CAS 108-95-2)			
Aquatic			
Algae	EC50	Selenastrum capricornutum (Green Alga)	150 mg/L, 96 Hours
Crustacea	LC50	Daphnia magna (Water Flea)	13 mg/L, Hours
Fish	LC50	Lepomis macrochirus (Bluegill Sunfish)	23.88 mg/L, 96 Hours
		Oncorhynchus mykiss (Rainbow Trout)	8.9 mg/L, Hours
		Pimephales promelas (Fathead Minnow)	24 mg/L, 96 Hours
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	4.24 - 10.7 mg/l, 48 hours
Fish	LC50	Asiatic knifefish (Notopterus notopterus)	6.85 mg/l, 96 hours

**Persistence and degradability** No data is available on the degradability of this product. As with other members of the avermectin family, doramectin is highly toxic to fish and certain aquatic organisms. However, once in contact with soil, it is tightly bound and does not readily desorb. It is unlikely to reach groundwater and is also biodegradable by soil microflora.



## Photolysis

### Half-life (Photolysis-aqueous)

Doramectin 4.45 hours, @ 25C

## Biodegradability

### Percent degradation (Aerobic biodegradation)

Doramectin 25.5 % OECD 301D  
Test Duration: 28 days

### Percent degradation (Aerobic biodegradation-soil)

Doramectin 50 % Loam DT50, 61-79 days

**Bioaccumulative potential** No data available for this product. The following information is available for the individual ingredients.

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

Doramectin 4.4

## Mobility in soil

The active ingredient in this formulation is expected to bind to soil or sediment.

## Adsorption

### Soil/sediment sorption - log Koc

Doramectin 3.88 - 4.94

## Other adverse effects

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

## 13. Disposal considerations

### Disposal instructions

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

### Local disposal regulations

Dispose in accordance with all applicable regulations.

### Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

### 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.

### Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

U.S. DOT Reportable Quantity (RQ), 49 CFR 172.101 Appendix A:

Phenol = 1000 lb (454 kg) final RQ

### IATA

**UN number** UN3082

**UN proper shipping name** Environmentally hazardous substances, liquid, n.o.s. (Doramectin, Phenol)

**Transport hazard class(es)**

**Class** 9

**Subsidiary risk** -

**Packing group** III

**Environmental hazards** Yes

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

### IMDG

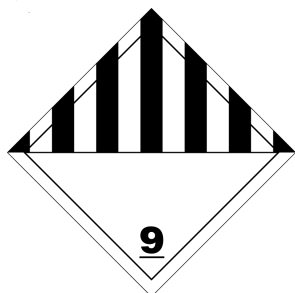
**UN number** UN3082

**UN proper shipping name** Environmentally hazardous substances, liquid, n.o.s. (Doramectin, Phenol), MARINE POLLUTANT (Doramectin, Phenol)

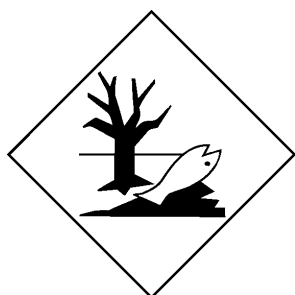
**Transport hazard class(es)**

**Class** 9

**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**  
**Marine pollutant** Yes  
**EmS** F-A, S-F  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.  
**IATA; IMDG**



**Marine pollutant**



**General information**

As of January 1, 2015, materials offered for transport that are classified for transportation only as Marine Pollutants and which are packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 Liters or less for liquids or having a net mass per single or inner packaging of 5 kilograms or less for solids are NOT subject to ICAO/IATA, IMDG, or ADR transport regulations provided the general packaging requirements of those regulations are met. Refer to ICAO/IATA A197, IMDG 2.10.2.7, ADR SP 375. Please refer to the applicable dangerous goods regulations for additional information. Transport according to the requirements of the appropriate regulatory body.

## 15. Regulatory information

### US federal regulations

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

#### Toxic Substances Control Act (TSCA)

One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".

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

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Phenol (CAS 108-95-2)

Listed.

#### SARA 304 Emergency release notification

Phenol (CAS 108-95-2)

1000 LBS

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### 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)
Phenol	108-95-2	1000		500	10000

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Reproductive toxicity

**SARA 313 (TRI reporting)**  
Not regulated.

#### Other federal regulations

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

Phenol (CAS 108-95-2)

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

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

##### FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Phenol (CAS 108-95-2) Low priority

#### US state regulations

##### US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Phenol (CAS 108-95-2)

##### California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	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	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
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** 05-29-2013

**Revision date** 11-21-2023

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**List of abbreviations** ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).

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**Revision information** This document has undergone significant changes and should be reviewed in its entirety.