

1. Identification

Product identifier **Phenols Mixture-8040**

Other means of identification

Item M-PH1L4

Recommended use For Laboratory Use Only

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
	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
	Acute toxicity, inhalation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, respiratory	Category 1
	Sensitization, skin	Category 1
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 1
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2
OSHA defined hazards	Not classified.	

Label elements



Signal word Danger

Hazard statement Highly flammable liquid and vapor. Harmful if swallowed. Harmful in contact with skin. May cause an allergic skin reaction. Causes serious eye irritation. Fatal if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause drowsiness or dizziness. Suspected of causing cancer. May damage fertility or the unborn child. Toxic to aquatic life. 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. Use only outdoors or in a well-ventilated area. 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 vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Wear respiratory protection.

Response

If swallowed: Call a poison center/doctor if you feel unwell. 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. Immediately call a poison center/doctor. Specific treatment is urgent (see this label). Rinse mouth. If skin irritation or rash 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

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

Disposal

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

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

0.4% of the mixture consists of component(s) of unknown acute dermal toxicity. 98.3% of the mixture consists of component(s) of unknown acute inhalation toxicity. 98% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 98% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
2-Propanol	Isopropyl alcohol (isopropanol)	67-63-0	98
2,3,4,6-Tetrachlorophenol		58-90-2	0.1
2,3,5,6-Tetrachlorophenol		935-95-5	0.1
2,4,5-Trichlorophenol		95-95-4	0.1
2,4,6-Trichlorophenol		88-06-2	0.1
2,4-Dichlorophenol		120-83-2	0.1
2,4-Dimethylphenol		105-67-9	0.1
2,4-Dinitrophenol (min 15wt% water)		51-28-5	0.1
2,6-Dichlorophenol		87-65-0	0.1
2-Chlorophenol		95-57-8	0.1
2-Cyclohexyl-4,6-dinitrophenol		131-89-5	0.1
2-Methylphenol		95-48-7	0.1
2-Nitrophenol		88-75-5	0.1
3-Methylphenol		108-39-4	0.1
4,6-Dinitro-o-cresol (contains ~10% water)		534-52-1	0.1
4-Chloro-3-methylphenol		59-50-7	0.1
4-Methylphenol		106-44-5	0.1
4-Nitrophenol		100-02-7	0.1
Dinoseb		88-85-7	0.1
Pentachlorophenol		87-86-5	0.1
Phenol		108-95-2	0.1

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Call a POISON CENTER or doctor/physician if you feel unwell. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
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	Rinse mouth. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash. May cause allergic respiratory reaction. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
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. In case of shortness of breath, give oxygen. 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. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Alcohol resistant foam. Water fog. Carbon dioxide (CO ₂). 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 measures

Personal precautions, protective equipment and emergency procedures	Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. 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 vapor. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. 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	<p>Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. 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.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p>

Environmental precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. 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. Vapors may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. 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 vapor. Do not taste or swallow. Avoid contact with skin. Avoid contact with eyes. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Avoid contact with clothing. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains.

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. Avoid spark promoters. Eliminate sources of ignition. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Keep in an area equipped with sprinklers.

8. Exposure controls/personal protection**Occupational exposure limits****US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
2-Methylphenol (CAS 95-48-7)	PEL	22 mg/m ³ 5 ppm
2-Propanol (CAS 67-63-0)	PEL	980 mg/m ³ 400 ppm
3-Methylphenol (CAS 108-39-4)	PEL	22 mg/m ³ 5 ppm
4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)	PEL	0.2 mg/m ³
4-Methylphenol (CAS 106-44-5)	PEL	22 mg/m ³ 5 ppm
Pentachlorophenol (CAS 87-86-5)	PEL	0.5 mg/m ³
Phenol (CAS 108-95-2)	PEL	19 mg/m ³ 5 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
2-Methylphenol (CAS 95-48-7)	TWA	20 mg/m ³	Inhalable fraction and vapor.
2-Propanol (CAS 67-63-0)	STEL TWA	400 ppm 200 ppm	
3-Methylphenol (CAS 108-39-4)	TWA	20 mg/m ³	Inhalable fraction and vapor.
4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)	TWA	0.2 mg/m ³	

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
4-Methylphenol (CAS 106-44-5)	TWA	20 mg/m3	Inhalable fraction and vapor.
Pentachlorophenol (CAS 87-86-5)	TWA	0.5 mg/m3	
Phenol (CAS 108-95-2)	TWA	5 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
2-Methylphenol (CAS 95-48-7)	TWA	10 mg/m3 2.3 ppm
2-Propanol (CAS 67-63-0)	STEL	1225 mg/m3 500 ppm
	TWA	980 mg/m3 400 ppm
3-Methylphenol (CAS 108-39-4)	TWA	10 mg/m3 2.3 ppm
4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)	TWA	0.2 mg/m3
4-Methylphenol (CAS 106-44-5)	TWA	10 mg/m3 2.3 ppm
Pentachlorophenol (CAS 87-86-5)	TWA	0.5 mg/m3
Phenol (CAS 108-95-2)	Ceiling	60 mg/m3 15.6 ppm
	TWA	19 mg/m3 5 ppm

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
2,4-Dichlorophenol (CAS 120-83-2)	TWA	6.7 mg/m3
		1 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
2-Propanol (CAS 67-63-0)	40 mg/l	Acetone	Urine	*
Pentachlorophenol (CAS 87-86-5)	2 mg/g	Total PCP	Creatinine in urine	*
	5 mg/l	Free PCP	Plasma	*
Phenol (CAS 108-95-2)	250 mg/g	Phenol with hydrolysis	Creatinine in urine	*

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

Exposure guidelines

US - California OELs: Skin designation

2-Methylphenol (CAS 95-48-7)	Can be absorbed through the skin.
3-Methylphenol (CAS 108-39-4)	Can be absorbed through the skin.
4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)	Can be absorbed through the skin.
4-Methylphenol (CAS 106-44-5)	Can be absorbed through the skin.
Pentachlorophenol (CAS 87-86-5)	Can be absorbed through the skin.
Phenol (CAS 108-95-2)	Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

2-Methylphenol (CAS 95-48-7)	Skin designation applies.
3-Methylphenol (CAS 108-39-4)	Skin designation applies.
4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)	Skin designation applies.
4-Methylphenol (CAS 106-44-5)	Skin designation applies.
Phenol (CAS 108-95-2)	Skin designation applies.

US - Tennessee OELs: Skin designation

2-Methylphenol (CAS 95-48-7)	Can be absorbed through the skin.
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3-Methylphenol (CAS 108-39-4)	Can be absorbed through the skin.
4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)	Can be absorbed through the skin.
4-Methylphenol (CAS 106-44-5)	Can be absorbed through the skin.
Pentachlorophenol (CAS 87-86-5)	Can be absorbed through the skin.
Phenol (CAS 108-95-2)	Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

2-Methylphenol (CAS 95-48-7)	Can be absorbed through the skin.
3-Methylphenol (CAS 108-39-4)	Can be absorbed through the skin.
4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)	Can be absorbed through the skin.
4-Methylphenol (CAS 106-44-5)	Can be absorbed through the skin.
Pentachlorophenol (CAS 87-86-5)	Can be absorbed through the skin.
Phenol (CAS 108-95-2)	Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)	Can be absorbed through the skin.
Pentachlorophenol (CAS 87-86-5)	Can be absorbed through the skin.
Phenol (CAS 108-95-2)	Can be absorbed through the skin.

US WEEL Guides: Skin designation

2,4-Dichlorophenol (CAS 120-83-2)	Can be absorbed through the skin.
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US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

2-Methylphenol (CAS 95-48-7)	Can be absorbed through the skin.
3-Methylphenol (CAS 108-39-4)	Can be absorbed through the skin.
4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)	Can be absorbed through the skin.
4-Methylphenol (CAS 106-44-5)	Can be absorbed through the skin.
Pentachlorophenol (CAS 87-86-5)	Can be absorbed through the skin.
Phenol (CAS 108-95-2)	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.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear eye/face protection. Wear a full-face respirator, if needed.
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear appropriate chemical resistant clothing.
Respiratory protection	Wear positive pressure self-contained breathing apparatus (SCBA).
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations 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. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid
Color	Not available.

Odor Not available.

Odor threshold Not available.

pH Not available.

Melting point/freezing point -127.3 °F (-88.5 °C) estimated

Initial boiling point and boiling range 180.5 °F (82.5 °C) estimated

Flash point 53.6 °F (12.0 °C) estimated

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	2.5 % estimated
Flammability limit - upper (%)	12 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	60.53 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	750.2 °F (399 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	0.795015 g/cm3 estimated
Flammability class	Flammable IB estimated
Percent volatile	98.5 % estimated
Specific gravity	0.8 estimated
VOC (Weight %)	98.5 % 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	Acids. Strong oxidizing agents. Isocyanates. Chlorine.
Hazardous decomposition products	Toxic gas.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Harmful if swallowed.
Inhalation	Fatal if inhaled. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin contact	Harmful in contact with skin. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Information on toxicological effects

Acute toxicity	Fatal if inhaled. Harmful if swallowed. Harmful in contact with skin. Narcotic effects. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Expected to be a low hazard for usual industrial or commercial handling by trained personnel.
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Components	Species	Test Results
2,3,4,6-Tetrachlorophenol (CAS 58-90-2)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	250 mg/kg
<i>Oral</i>		
LD50	Gerbil	698 mg/kg
	Guinea pig	250 mg/kg

Components	Species	Test Results
	Mouse	131 mg/kg
	Rat	140 mg/kg
<i>Other</i>		
LD50	Mouse	82 mg/kg
	Rat	130 mg/kg
2,3,5,6-Tetrachlorophenol (CAS 935-95-5)		
Acute		
<i>Oral</i>		
LD50	Mouse	109 mg/kg
<i>Other</i>		
LDL0	Mouse	500 mg/kg
2,4,5-Trichlorophenol (CAS 95-95-4)		
Acute		
<i>Oral</i>		
LD50	Rat	820 mg/kg 0.82 g/kg
<i>Other</i>		
LD50	Rat	355 mg/kg
2,4,6-Trichlorophenol (CAS 88-06-2)		
Acute		
<i>Oral</i>		
LD50	Rat	820 mg/kg
<i>Other</i>		
LD50	Rat	276 mg/kg
2,4-Dichlorophenol (CAS 120-83-2)		
Acute		
<i>Dermal</i>		
LD50	Mouse	3100 mg/kg
	Rat	780 mg/kg
<i>Oral</i>		
LD50	Guinea pig	500 - 1000 mg/kg
	Mouse	1134 mg/kg
	Rat	580 mg/kg
<i>Other</i>		
LD50	Mouse	153 mg/kg
	Rat	430 mg/kg
2,4-Dimethylphenol (CAS 105-67-9)		
Acute		
<i>Dermal</i>		
LD50	Mouse	1040 mg/kg
	Rat	1040 mg/kg
<i>Oral</i>		
LD50	Mouse	809 mg/kg
	Rat	2300 mg/kg
<i>Other</i>		
LD50	Mouse	100 mg/kg
2,4-Dinitrophenol (min 15wt% water) (CAS 51-28-5)		
Acute		
<i>Oral</i>		
LD50	Dog	20 mg/kg
	Mouse	45 mg/kg
	Rabbit	30 mg/kg
	Rat	30 mg/kg

Components	Species	Test Results
<i>Other</i>		
LD50	Dog	20 mg/kg
	Mouse	26 mg/kg
	Rat	20 mg/kg
2,6-Dichlorophenol (CAS 87-65-0)		
Acute		
<i>Oral</i>		
LD50	Mouse	2120 mg/kg
<i>Other</i>		
LD50	Rat	390 mg/kg
2-Chlorophenol (CAS 95-57-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	740 mg/kg
<i>Oral</i>		
LD50	Mouse	670 mg/kg
	Rat	670 mg/kg
<i>Other</i>		
LD50	Rat	950 mg/kg
2-Cyclohexyl-4,6-dinitrophenol (CAS 131-89-5)		
Acute		
<i>Oral</i>		
LD50	Guinea pig	50 mg/kg
	Mouse	50 mg/kg
	Rat	65 mg/kg
<i>Other</i>		
LD50	Mouse	25 mg/kg
2-Methylphenol (CAS 95-48-7)		
Acute		
<i>Dermal</i>		
LD50	Mouse	620 mg/kg
	Rabbit	890 mg/kg
	Rat	620 mg/kg
<i>Inhalation</i>		
LC50	Mouse	0.179 mg/l, 2 Hours 0.178 mg/l
	Rat	> 20 mg/l, 6 Hours > 1.22 mg/l, 1 Hours
<i>Oral</i>		
LD50	Mouse	344 mg/kg
	Rabbit	800 mg/kg
	Rat	121 mg/kg
<i>Other</i>		
LD50	Mouse	350 mg/kg
	Rabbit	180 mg/kg
2-Nitrophenol (CAS 88-75-5)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 7940 mg/kg
	Rat	> 2000 mg/kg
<i>Oral</i>		
LD50	Mouse	1300 mg/kg

Components	Species	Test Results
	Rat	336 mg/kg
<i>Other</i>		
LD50	Dog	100 mg/kg
	Mouse	200 mg/kg
LDL0	Dog	100 mg/kg
2-Propanol (CAS 67-63-0)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	12800 mg/kg 16.4 ml/kg
<i>Inhalation</i>		
LC50	Rat	> 10000 ppm, 6 Hours
<i>Oral</i>		
LD50	Dog	4797 mg/kg
	Mouse	3600 mg/kg
	Rabbit	5.03 g/kg
	Rat	4.7 g/kg
<i>Other</i>		
LD50	Mouse	1509 mg/kg
	Rat	1099 mg/kg
3-Methylphenol (CAS 108-39-4)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	1860 mg/kg
	Rat	1100 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 0.71 mg/l, 1 Hours 58 mg/m3
<i>Oral</i>		
LD50	Mouse	828 mg/kg
	Rabbit	1400 mg/kg
	Rat	242 mg/kg
<i>Other</i>		
LD50	Mouse	168 mg/kg
	Rabbit	280 mg/kg
4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)		
Acute		
<i>Dermal</i>		
LD50	Rat	200 mg/kg
<i>Oral</i>		
LD50	Cat	50 mg/kg
	Goat	100 mg/kg
	Mouse	21 mg/kg
	Rat	26 mg/kg
	Sheep	200 mg/kg
<i>Other</i>		
LD50	Mouse	19 mg/kg
	Rabbit	1000 mg/kg
	Rat	25.6 mg/kg

Components	Species	Test Results
4-Chloro-3-methylphenol (CAS 59-50-7)		
Acute		
<i>Dermal</i>		
LD50	Rat	> 5000 mg/kg
<i>Oral</i>		
LD50	Mouse	600 mg/kg
	Rat	3636 mg/kg
<i>Other</i>		
LD50	Mouse	70 mg/kg
	Rat	400 mg/kg
4-Methylphenol (CAS 106-44-5)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	300 mg/kg
	Rat	750 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 0.71 mg/l, 1 Hours 0.029 mg/l
<i>Oral</i>		
LD50	Mouse	344 mg/kg
	Rabbit	620 mg/kg
	Rat	207 mg/kg
<i>Other</i>		
LD50	Rabbit	180 mg/kg
4-Nitrophenol (CAS 100-02-7)		
Acute		
<i>Oral</i>		
LD50	Mouse	380 mg/kg
	Rabbit	220 mg/kg
	Rat	220 - 620 mg/kg
<i>Other</i>		
LD50	Mouse	75 mg/kg
Dinoseb (CAS 88-85-7)		
Acute		
<i>Dermal</i>		
LD50	Guinea pig	100 mg/kg
	Rat	30 mg/kg 0.12 ml/kg
<i>Oral</i>		
LD100	Rat	60 mg/kg
LD50	Chick	40 - 80 mg/kg
	Guinea pig	20 - 40 mg/kg
	Mouse	20 - 40 mg/kg
	Rat	25 - 40 mg/kg
<i>Other</i>		
LD50	Rabbit	80 mg/kg
Pentachlorophenol (CAS 87-86-5)		
Acute		
<i>Dermal</i>		
LD50	Rat	96 mg/kg
<i>Oral</i>		
LD50	Rat	146 mg/kg

Components	Species	Test Results
Phenol (CAS 108-95-2)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	850 mg/kg
	Rat	525 mg/kg
<i>Inhalation</i>		
LC50	Mouse	0.177 mg/l
	Rat	0.316 mg/l
<i>Oral</i>		
LD50	Cat	0.1 g/kg
	Dog	0.5 g/kg
	Mouse	270 mg/kg
	Rabbit	620 mg/kg
	Rat	317 mg/kg
<i>Other</i>		
LD50	Mouse	112 mg/kg
	Rabbit	180 mg/kg
	Rat	460 mg/kg

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

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Suspected of causing cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

2,3,4,6-Tetrachlorophenol (CAS 58-90-2)	2B Possibly carcinogenic to humans.
2,3,5,6-Tetrachlorophenol (CAS 935-95-5)	2B Possibly carcinogenic to humans.
2,4,5-Trichlorophenol (CAS 95-95-4)	2B Possibly carcinogenic to humans.
2,4,6-Trichlorophenol (CAS 88-06-2)	2B Possibly carcinogenic to humans.
2,4-Dichlorophenol (CAS 120-83-2)	2B Possibly carcinogenic to humans.
2,6-Dichlorophenol (CAS 87-65-0)	2B Possibly carcinogenic to humans.
2-Chlorophenol (CAS 95-57-8)	2B Possibly carcinogenic to humans.
4-Chloro-3-methylphenol (CAS 59-50-7)	2B Possibly carcinogenic to humans.
Pentachlorophenol (CAS 87-86-5)	2B Possibly carcinogenic to humans.
Phenol (CAS 108-95-2)	3 Not classifiable as to carcinogenicity to humans.

US. National Toxicology Program (NTP) Report on Carcinogens

2,4,6-Trichlorophenol (CAS 88-06-2) Reasonably Anticipated to be a Human Carcinogen.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity May damage fertility or the unborn child.

Specific target organ toxicity - single exposure Narcotic effects.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not available.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

Components		Species	Test Results
2,3,4,6-Tetrachlorophenol (CAS 58-90-2)			
Aquatic			
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	0.11 - 0.16 mg/l, 96 hours
2,3,5,6-Tetrachlorophenol (CAS 935-95-5)			
Aquatic			
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	0.13 - 0.21 mg/l, 96 hours
2,4,5-Trichlorophenol (CAS 95-95-4)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	0.72 - 1.2 mg/l, 48 hours
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	0.39 - 0.54 mg/l, 96 hours
2,4,6-Trichlorophenol (CAS 88-06-2)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	1.8 - 2.6 mg/l, 48 hours
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	0.35 - 0.49 mg/l, 96 hours
2,4-Dichlorophenol (CAS 120-83-2)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	1.2 - 1.7 mg/l, 48 hours
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	1.6 - 2.6 mg/l, 96 hours
2,4-Dimethylphenol (CAS 105-67-9)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	1.77 - 3.17 mg/l, 48 hours
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	4.1 - 9.6 mg/l, 96 hours
2,4-Dinitrophenol (min 15wt% water) (CAS 51-28-5)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	3.4 - 5.66 mg/l, 48 hours
Fish	LC50	Asiatic knifefish (<i>Notopterus notopterus</i>)	0.9 mg/l, 96 hours
2,6-Dichlorophenol (CAS 87-65-0)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	3.4 mg/l, 48 hours
Fish	LC50	Medaka, high-eyes (<i>Oryzias latipes</i>)	3.3 - 11 mg/l, 96 hours
2-Chlorophenol (CAS 95-57-8)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	3.31 - 4.91 mg/l, 48 hours
Fish	LC50	Starry, european flounder (<i>Platichthys flesus</i>)	6.99 mg/l, 96 hours
2-Methylphenol (CAS 95-48-7)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	15.8 mg/l, 48 hours
Fish	LC50	Ide, silver or golden orfe (<i>Leuciscus idus</i>)	10 mg/l, 96 hours
2-Nitrophenol (CAS 88-75-5)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	11 - 25 mg/l, 48 hours
Fish	LC50	Sheepshead minnow (<i>Cyprinodon variegatus</i>)	15 - 67 mg/l, 96 hours
2-Propanol (CAS 67-63-0)			
Aquatic			
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	> 1400 mg/l, 96 hours
3-Methylphenol (CAS 108-39-4)			
Aquatic			
Crustacea	EC50	Scud (<i>Gammarus fasciatus</i>)	7 mg/l, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (<i>Oncorhynchus mykiss</i>)	8.9 mg/l, 96 hours

Components	Species		Test Results
4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	0.1 - 0.21 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.037 - 0.117 mg/l, 96 hours
4-Chloro-3-methylphenol (CAS 59-50-7)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1.13 - 1.94 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	1 - 10 mg/l, 96 hours
4-Methylphenol (CAS 106-44-5)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	7.7 mg/l, 48 hours
Fish	LC50	Fish (Lepidocephalichthyes guntea)	6.15 - 7.96 mg/l, 96 hours
4-Nitrophenol (CAS 100-02-7)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	3.1 - 7.1 mg/l, 48 hours
Fish	LC50	Zebra danio (Danio rerio)	5.6 - 13.9 mg/l, 96 hours
Dinoseb (CAS 88-85-7)			
Aquatic			
Fish	LC50	Lake trout, siscowet (Salvelinus namaycush)	0.024 - 0.054 mg/l, 96 hours
Pentachlorophenol (CAS 87-86-5)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.273 - 0.375 mg/l, 48 hours
Fish	LC50	Atlantic salmon (Salmo salar)	0.042 - 0.083 mg/l, 96 hours
Phenol (CAS 108-95-2)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia obtusa)	4.7 - 6.4 mg/l, 48 hours
Fish	LC50	Asiatic knifefish (Notopterus notopterus)	8 - 8.25 mg/l, 96 hours

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

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

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

2,3,4,6-Tetrachlorophenol	4.45
2,3,5,6-Tetrachlorophenol	3.88
2,4,5-Trichlorophenol	3.72
2,4,6-Trichlorophenol	3.69
2,4-Dichlorophenol	3.06
2,4-Dimethylphenol	2.3
2,4-Dinitrophenol (min 15wt% water)	1.67
2,6-Dichlorophenol	2.75
2-Chlorophenol	2.15
2-Cyclohexyl-4,6-dinitrophenol	4.12
2-Methylphenol	1.95
2-Nitrophenol	1.79
2-Propanol	0.05
3-Methylphenol	1.96
4,6-Dinitro-o-cresol (contains ~10% water)	2.13
4-Chloro-3-methylphenol	3.1
4-Methylphenol	1.94
4-Nitrophenol	1.91
Pentachlorophenol	5.12
Phenol	1.46

Mobility in soil No data available.

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

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. 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 code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

US RCRA Hazardous Waste P List: Reference

2,4-Dinitrophenol (min 15wt% water) (CAS 51-28-5)	P048
2-Cyclohexyl-4,6-dinitrophenol (CAS 131-89-5)	P034
4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)	P047
Dinoseb (CAS 88-85-7)	P020

US RCRA Hazardous Waste U List: Reference

2,4-Dichlorophenol (CAS 120-83-2)	U081
2,4-Dimethylphenol (CAS 105-67-9)	U101
2,6-Dichlorophenol (CAS 87-65-0)	U082
2-Chlorophenol (CAS 95-57-8)	U048
2-Methylphenol (CAS 95-48-7)	U052
3-Methylphenol (CAS 108-39-4)	U052
4-Chloro-3-methylphenol (CAS 59-50-7)	U039
4-Methylphenol (CAS 106-44-5)	U052
4-Nitrophenol (CAS 100-02-7)	U170
Phenol (CAS 108-95-2)	U188

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

14. Transport information

DOT

UN number	UN1219
UN proper shipping name	Isopropanol or Isopropyl alcohol, solution, MARINE POLLUTANT
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	II
Environmental hazards	
Marine pollutant	Yes
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	IB2, T4, TP1
Packaging exceptions	4b, 150
Packaging non bulk	202
Packaging bulk	242

IATA

UN number	UN1219
UN proper shipping name	Isopropanol solution
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	No.
ERG Code	3L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.

IMDG

UN number	UN1219
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UN proper shipping name ISOPROPANOL (ISOPROPYL ALCOHOL) SOLUTION, MARINE POLLUTANT
Transport hazard class(es)
Class 3
Subsidiary risk -
Packing group II
Environmental hazards
Marine pollutant Yes
EmS F-E, S-D
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 available.

DOT



IATA; IMDG



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.
 One or more components are not listed on TSCA.

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

2,4,5-Trichlorophenol (CAS 95-95-4)	0.1 % One-Time Export Notification only.
2,4-Dichlorophenol (CAS 120-83-2)	0.1 % One-Time Export Notification only.
2,6-Dichlorophenol (CAS 87-65-0)	0.1 % One-Time Export Notification only.

CERCLA Hazardous Substance List (40 CFR 302.4)

2,3,4,6-Tetrachlorophenol (CAS 58-90-2)	Listed.
2,3,5,6-Tetrachlorophenol (CAS 935-95-5)	Listed.
2,4,5-Trichlorophenol (CAS 95-95-4)	Listed.
2,4,6-Trichlorophenol (CAS 88-06-2)	Listed.
2,4-Dichlorophenol (CAS 120-83-2)	Listed.
2,4-Dimethylphenol (CAS 105-67-9)	Listed.
2,4-Dinitrophenol (min 15wt% water) (CAS 51-28-5)	Listed.
2,6-Dichlorophenol (CAS 87-65-0)	Listed.
2-Chlorophenol (CAS 95-57-8)	Listed.
2-Cyclohexyl-4,6-dinitrophenol (CAS 131-89-5)	Listed.

2-Methylphenol (CAS 95-48-7)	Listed.
2-Nitrophenol (CAS 88-75-5)	Listed.
2-Propanol (CAS 67-63-0)	Listed.
3-Methylphenol (CAS 108-39-4)	Listed.
4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)	Listed.
4-Chloro-3-methylphenol (CAS 59-50-7)	Listed.
4-Methylphenol (CAS 106-44-5)	Listed.
4-Nitrophenol (CAS 100-02-7)	Listed.
Dinoseb (CAS 88-85-7)	Listed.
Pentachlorophenol (CAS 87-86-5)	Listed.
Phenol (CAS 108-95-2)	Listed.

SARA 304 Emergency release notification

2-Methylphenol (CAS 95-48-7)	100 LBS
4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)	10 LBS
Dinoseb (CAS 88-85-7)	1000 LBS
Phenol (CAS 108-95-2)	1000 LBS

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

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	Threshold planning quantity	Threshold planning quantity, lower value	Threshold planning quantity, upper value
2-Methylphenol	95-48-7	100		1000 lbs	10000 lbs
4,6-Dinitro-o-cresol (contains ~10% water)	534-52-1	10		10 lbs	10000 lbs
Dinoseb	88-85-7	1000		100 lbs	10000 lbs
Phenol	108-95-2	1000		500 lbs	10000 lbs

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
2-Propanol	67-63-0	98
2,3,4,6-Tetrachlorophenol	58-90-2	0.1
2,3,5,6-Tetrachlorophenol	935-95-5	0.1
2,4,6-Trichlorophenol	88-06-2	0.1
2,6-Dichlorophenol	87-65-0	0.1
2-Chlorophenol	95-57-8	0.1
4-Chloro-3-methylphenol	59-50-7	0.1
Pentachlorophenol	87-86-5	0.1

Other federal regulations

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

- 2,4,5-Trichlorophenol (CAS 95-95-4)
- 2,4,6-Trichlorophenol (CAS 88-06-2)
- 2,4-Dinitrophenol (min 15wt% water) (CAS 51-28-5)
- 2-Methylphenol (CAS 95-48-7)
- 3-Methylphenol (CAS 108-39-4)
- 4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)
- 4-Methylphenol (CAS 106-44-5)
- 4-Nitrophenol (CAS 100-02-7)
- Pentachlorophenol (CAS 87-86-5)
- 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.

US state regulations

US. Massachusetts RTK - Substance List

2,3,4,6-Tetrachlorophenol (CAS 58-90-2)
2,4,5-Trichlorophenol (CAS 95-95-4)
2,4,6-Trichlorophenol (CAS 88-06-2)
2,4-Dichlorophenol (CAS 120-83-2)
2,4-Dimethylphenol (CAS 105-67-9)
2,4-Dinitrophenol (min 15wt% water) (CAS 51-28-5)
2,6-Dichlorophenol (CAS 87-65-0)
2-Chlorophenol (CAS 95-57-8)
2-Cyclohexyl-4,6-dinitrophenol (CAS 131-89-5)
2-Methylphenol (CAS 95-48-7)
2-Nitrophenol (CAS 88-75-5)
2-Propanol (CAS 67-63-0)
3-Methylphenol (CAS 108-39-4)
4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)
4-Chloro-3-methylphenol (CAS 59-50-7)
4-Methylphenol (CAS 106-44-5)
4-Nitrophenol (CAS 100-02-7)
Dinoseb (CAS 88-85-7)
Pentachlorophenol (CAS 87-86-5)
Phenol (CAS 108-95-2)

US. New Jersey Worker and Community Right-to-Know Act

2,3,4,6-Tetrachlorophenol (CAS 58-90-2)	500 LBS
2,3,5,6-Tetrachlorophenol (CAS 935-95-5)	500 LBS
2,4,5-Trichlorophenol (CAS 95-95-4)	500 LBS
2,4,6-Trichlorophenol (CAS 88-06-2)	500 LBS
2,4-Dichlorophenol (CAS 120-83-2)	500 LBS
2,4-Dimethylphenol (CAS 105-67-9)	500 LBS
2,4-Dinitrophenol (min 15wt% water) (CAS 51-28-5)	500 LBS
2,6-Dichlorophenol (CAS 87-65-0)	500 LBS
2-Chlorophenol (CAS 95-57-8)	500 LBS
2-Methylphenol (CAS 95-48-7)	500 LBS
2-Nitrophenol (CAS 88-75-5)	500 LBS
2-Propanol (CAS 67-63-0)	500 LBS
3-Methylphenol (CAS 108-39-4)	500 LBS
4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)	10 LBS
4-Chloro-3-methylphenol (CAS 59-50-7)	500 LBS
4-Methylphenol (CAS 106-44-5)	500 LBS
4-Nitrophenol (CAS 100-02-7)	500 LBS
Dinoseb (CAS 88-85-7)	100 LBS
Pentachlorophenol (CAS 87-86-5)	500 LBS
Phenol (CAS 108-95-2)	500 LBS

US. Pennsylvania RTK - Hazardous Substances

2,3,4,6-Tetrachlorophenol (CAS 58-90-2)
2,4,5-Trichlorophenol (CAS 95-95-4)
2,4,6-Trichlorophenol (CAS 88-06-2)
2,4-Dichlorophenol (CAS 120-83-2)
2,4-Dimethylphenol (CAS 105-67-9)
2,4-Dinitrophenol (min 15wt% water) (CAS 51-28-5)
2,6-Dichlorophenol (CAS 87-65-0)
2-Chlorophenol (CAS 95-57-8)
2-Cyclohexyl-4,6-dinitrophenol (CAS 131-89-5)
2-Methylphenol (CAS 95-48-7)
2-Nitrophenol (CAS 88-75-5)
2-Propanol (CAS 67-63-0)
3-Methylphenol (CAS 108-39-4)
4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)
4-Chloro-3-methylphenol (CAS 59-50-7)
4-Methylphenol (CAS 106-44-5)
4-Nitrophenol (CAS 100-02-7)
Dinoseb (CAS 88-85-7)
Pentachlorophenol (CAS 87-86-5)
Phenol (CAS 108-95-2)

US. Rhode Island RTK

2,3,4,6-Tetrachlorophenol (CAS 58-90-2)
2,4,5-Trichlorophenol (CAS 95-95-4)
2,4,6-Trichlorophenol (CAS 88-06-2)

2,4-Dichlorophenol (CAS 120-83-2)
 2,4-Dimethylphenol (CAS 105-67-9)
 2,4-Dinitrophenol (min 15wt% water) (CAS 51-28-5)
 2,6-Dichlorophenol (CAS 87-65-0)
 2-Chlorophenol (CAS 95-57-8)
 2-Cyclohexyl-4,6-dinitrophenol (CAS 131-89-5)
 2-Methylphenol (CAS 95-48-7)
 2-Nitrophenol (CAS 88-75-5)
 2-Propanol (CAS 67-63-0)
 3-Methylphenol (CAS 108-39-4)
 4,6-Dinitro-o-cresol (contains ~10% water) (CAS 534-52-1)
 4-Chloro-3-methylphenol (CAS 59-50-7)
 4-Methylphenol (CAS 106-44-5)
 4-Nitrophenol (CAS 100-02-7)
 Dinoseb (CAS 88-85-7)
 Pentachlorophenol (CAS 87-86-5)
 Phenol (CAS 108-95-2)

US. California Proposition 65

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

2,4,6-Trichlorophenol (CAS 88-06-2) Listed: January 1, 1988
 Pentachlorophenol (CAS 87-86-5) Listed: January 1, 1990

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

Dinoseb (CAS 88-85-7) Listed: January 1, 1989

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

Dinoseb (CAS 88-85-7) Listed: January 1, 1989

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)	Yes
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 09-12-2014
Version # 01
NFPA ratings Health: 2
 Flammability: 3
 Instability: 0

Disclaimer

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.

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