



VELTEK ASSOCIATES, INC.

# DECON-PHENE

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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Version: 4.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : DECON-PHENE  
Product code : SDS-VEL-030

#### 1.2. Recommended use and restrictions on use

Recommended use : Germicidal detergent with synthetic phenols and anionic surfactants.  
Restrictions on use : For professional use only

#### 1.3. Supplier

Veltek Associates, Inc.  
15 Lee Blvd  
Malvern, PA 19355-1234 USA  
Telephone: +1 610-644-8335 - Fax: +1 610-644-8336  
E-mail: vai@sterile.com

In Canada distributed by:  
Canada Clean Room (CCR)  
200 Terence Matthews  
Kanata, ONT K2M 2C6, Canada  
Telephone: 888-595-8070

#### 1.4. Emergency telephone number

Emergency number : CARECHEM 24: 1-215-207-0061  
1-866-928-0789 (toll free)  
Canada: 1-800-579-7421 (toll free)  
Mexico: +52-55-5004-8763

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flammable liquids Category 3	H226 Flammable liquid and vapor
Corrosive to metals Category 1	H290 May be corrosive to metals
Skin corrosion/irritation Category 1A	H314 Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category 1	H318 Causes serious eye damage
Skin sensitization, Category 1	H317 May cause an allergic skin reaction
Carcinogenicity Category 2	H351 Suspected of causing cancer
Reproductive toxicity Category 2	H361 Suspected of damaging fertility
Specific target organ toxicity (repeated exposure) Category 2	H373 May cause damage to organs (respiratory tract) through prolonged or repeated exposure (Inhalation)
	May cause damage to organs (kidneys) through prolonged or repeated exposure
Hazardous to the aquatic environment - Acute Hazard Category 2	H401 Toxic to aquatic life
Hazardous to the aquatic environment - Chronic Hazard Category 1	H410 Very toxic to aquatic life with long lasting effects

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger  
Hazard statements (GHS US) : H226 - Flammable liquid and vapor  
H290 - May be corrosive to metals

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	H314 - Causes severe skin burns and eye damage H317 - May cause an allergic skin reaction H318 - Causes serious eye damage H351 - Suspected of causing cancer H361 - Suspected of damaging fertility H373 - May cause damage to organs (respiratory tract) through prolonged or repeated exposure (Inhalation) H373 - May cause damage to organs (kidneys) through prolonged or repeated exposure H401 - Toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (GHS US)	: P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P241 - Use explosion-proof electrical, lighting, ventilating equipment P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P260 - Do not breathe vapors. P264 - Wash hands thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear eye protection, protective gloves, protective clothing. P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P310 - Immediately call a doctor P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse. P370+P378 - In case of fire: Use alcohol resistant foam, Dry powder, carbon dioxide (CO <sub>2</sub> ), Water spray to extinguish. P390 - Absorb spillage to prevent material-damage. P391 - Collect spillage. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up. P501 - Dispose of contents/container to an authorized waste collection point

### 2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : No additional information available.

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Isopropanol	(CAS-No.) 67-63-0	5 - 10	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Clorofene (ortho-benzyl-para-chlorophenol)	(CAS-No.) 120-32-1	1 - 5	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 2, H351 Repr. 2, H361 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 (M = 100)
Biphenyl-2-ol (ortho-phenylphenol)	(CAS-No.) 90-43-7	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	Product identifier	%	GHS-US classification
Sodium hydroxide	(CAS-No.) 1310-73-2	1 - 5	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318
Tetrasodium ethylene diamine tetraacetate	(CAS-No.) 64-02-8	1 - 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Dam. 1, H318 STOT RE 2, H373
p-(1,1-Dimethylpropyl)phenol	(CAS-No.) 80-46-6	1 - 5	Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 2, H401 Aquatic Chronic 1, H410
Disodium decyl(sulphonatophenoxy)benzenesulphonate	(CAS-No.) 36445-71-3	1 - 5	Not classified

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove person to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop, obtain medical attention.
- First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Obtain immediate medical attention.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Ensure that folded skin of eyelids is thoroughly washed with water. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain immediate medical attention.
- First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth. Give water to drink if victim completely conscious/alert. Obtain immediate medical attention.

#### 4.2. Most important symptoms and effects (acute and delayed)

- Potential Adverse human health effects and symptoms : IF IN EYES: Causes serious eye damage. IF ON SKIN: Causes severe burns, May cause an allergic skin reaction. IF SWALLOWED: Severe irritation or burns to the mouth, throat, esophagus, and stomach. IF INHALED: Irritation of the respiratory tract. Chronic symptoms: May cause damage to organs (kidneys) through prolonged or repeated exposure. May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled). Suspected of causing cancer. Suspected of damaging fertility.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam. Dry powder. Carbon dioxide. Water spray.
- Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

- Fire hazard : Flammable liquid and vapor. Fire may produce irritating, corrosive and/or toxic gases. Carbon oxides (CO, CO2). Nitrogen oxides. chlorine.
- Explosion hazard : May form flammable/explosive vapor-air mixture.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus when in close proximity to fire.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Remove ignition sources. Ventilate area. Do not get in eyes, on skin, or on clothing. Do not breathe vapors. Evacuate unnecessary personnel.

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### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection. Use chemically protective clothing.
- Emergency procedures : Remove ignition sources. Use only non-sparking tools. Ventilate area. Do not get in eyes, on skin, or on clothing. Do not breathe vapors.

### 6.2. Environmental precautions

Do not allow to enter drains or water courses. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Use only non-sparking tools. Collect spillage. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store in corrosive resistant container with a resistant inner liner. Store away from other materials.

### 6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.
- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Use only explosion-proof equipment. Use only non-sparking tools. Provide good ventilation in process area to prevent formation of vapor. Do not breathe vapors. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood. Avoid contact during pregnancy/while nursing.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Comply with applicable regulations.
- Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Proper grounding procedures to avoid static electricity should be followed. Store locked up. Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from incompatible materials.
- Incompatible products : Strong oxidizing agents.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Isopropanol (67-63-0)		
ACGIH	Local name	2-Propanol
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	400 ppm
ACGIH	Remark (ACGIH)	Eye & URT irr; CNS impair
ACGIH	Biological Exposure Indices (BEI)	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: End of shift at end of workweek - Notations: B, Ns
ACGIH	Regulatory reference	ACGIH 2019
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	400 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Sodium hydroxide (1310-73-2)		
ACGIH	Local name	Sodium hydroxide
ACGIH	ACGIH Ceiling (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
ACGIH	Remark (ACGIH)	URT, eye, & skin irr
ACGIH	Regulatory reference	ACGIH 2019
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>

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Sodium hydroxide (1310-73-2)		
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Provide good ventilation in process area to prevent formation of vapor. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Environmental exposure controls : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

Wear chemically resistant protective gloves. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.

#### Eye protection:

Chemical goggles or face shield

#### Skin and body protection:

Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Consult with respirator manufacturer to determine respirator selection, use and limitations.

#### Thermal hazard protection:

Not required for normal conditions of use.

#### Other information:

Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Clear.
- Color : Amber
- Odor : Slight camphor odor
- Odor threshold : No data available
- pH : 9.5 - 10.5 (1:128 Aqueous solution); 11.5 - 12.5 (Concentrate)
- Melting point : Not applicable
- Freezing point : No data available
- Boiling point : 212 °F (100°C)
- Flash point : 115 °F (46.1°C) Setaflash
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : Not applicable.
- Vapor pressure : No data available
- Relative vapor density at 20 °C : No data available
- Relative density : 1.02 - 1.04
- Solubility : No data available
- Log Pow : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Viscosity, kinematic : No data available

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Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Vapors may form explosive mixture with air.
Oxidizing properties	: Not oxidizing.

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7).

### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7). Flammable liquid and vapor.

### 10.3. Possibility of hazardous reactions

May form flammable/explosive vapor-air mixtures.

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Fire may produce irritating, corrosive and/or toxic gases. Carbon monoxide. Carbon dioxide. Nitrogen dioxide. Chlorine.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Isopropanol (67-63-0)	
LD50 oral, rat	5840 mg/kg
LD50 dermal, rat	16.4 ml/kg
LC50 inhalation, rat (ppm)	> 10000 ppm - 6 Hours

Clorofene (ortho-benzyl-para-chlorophenol) (120-32-1)	
LD50 oral, rat	4147 mg/kg
LD50 dermal, rat	> 2000 mg/kg
LC50 inhalation, rat (mg/l)	2.5 mg/l - 4 Hours

Biphenyl-2-ol (ortho-phenylphenol) (90-43-7)	
LD50 oral, rat	2733 mg/kg
LD50 dermal, rabbit	> 2000 mg/kg
LC50 inhalation, rat (mg/l)	> 949 mg/m <sup>3</sup> - 1 Hours

Tetrasodium ethylene diamine tetraacetate (64-02-8)	
LD50 oral, rat	1780 - 2000 mg/kg

p-(1,1-Dimethylpropyl)phenol (80-46-6)	
LD50 oral, rat	> 2000 mg/kg (OECD 401 method)

Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 9.5 - 10.5 (1:128 Aqueous solution); 11.5 - 12.5 (Concentrate)
Serious eye damage/irritation	: Causes serious eye damage. pH: 9.5 - 10.5 (1:128 Aqueous solution); 11.5 - 12.5 (Concentrate)
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.

Isopropanol (67-63-0)	
IARC group	3 - Not classifiable

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### Biphenyl-2-ol (ortho-phenylphenol) (90-43-7)

IARC group	3 - Not classifiable
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Reproductive toxicity : Suspected of damaging fertility.

Specific target organ toxicity – single exposure : Not classified

### Isopropanol (67-63-0)

Specific target organ toxicity – single exposure	May cause drowsiness or dizziness.
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### Biphenyl-2-ol (ortho-phenylphenol) (90-43-7)

Specific target organ toxicity – single exposure	May cause respiratory irritation.
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Specific target organ toxicity – repeated exposure : May cause damage to organs (respiratory tract) through prolonged or repeated exposure (Inhalation).  
May cause damage to organs (kidneys) through prolonged or repeated exposure.

### Clorofene (ortho-benzyl-para-chlorophenol) (120-32-1)

Specific target organ toxicity – repeated exposure	May cause damage to organs (kidneys) through prolonged or repeated exposure.
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### Tetrasodium ethylene diamine tetraacetate (64-02-8)

Specific target organ toxicity – repeated exposure	May cause damage to organs (respiratory tract) through prolonged or repeated exposure (Inhalation).
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Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Potential Adverse human health effects and symptoms : IF IN EYES: Causes serious eye damage. IF ON SKIN: Causes severe burns, May cause an allergic skin reaction. IF SWALLOWED: Severe irritation or burns to the mouth, throat, esophagus, and stomach. IF INHALED: Irritation of the respiratory tract. Chronic symptoms: May cause damage to organs (kidneys) through prolonged or repeated exposure. May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled). Suspected of causing cancer. Suspected of damaging fertility.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Isopropanol (67-63-0)

LC50 fish	9640 mg/l - 96 Hours (Pimephales promelas)
EC50 Daphnia	> 10000 mg/l - 48 Hours (Daphnia magna)
NOEC chronic algae	1800 mg/l - 7 days (Scenedesmus quadricauda)

#### Clorofene (ortho-benzyl-para-chlorophenol) (120-32-1)

LC50 fish	1.5 mg/l - 96 Hours (Danio rerio)
EC50 Daphnia	0.655 mg/l - 48 Hours (Daphnia magna)
LC50 fish 2	0.33 mg/l - 96 Hours (Lepomis macrochirus)
EC50 Daphnia 2	0.286 mg/l - 48 Hours (Crassostrea virginica)
NOEC (chronic)	0.0067 mg/l - 21 days (Daphnia magna, reproduction)
NOEC chronic fish	0.0095 mg/l - 30 days (Danio rerio)

#### Biphenyl-2-ol (ortho-phenylphenol) (90-43-7)

LC50 fish	4.5 mg/l - 96 Hours (Danio rerio)
EC50 Daphnia	2.7 mg/l - 48 Hours (Daphnia magna, Mobility)
ErC50 (algae)	3.57 mg/l - 72 Hours (Pseudokirchneriella subcapitata, Growth rate), (OECD 201 method)
NOEC (chronic)	0.009 mg/l - 21 days (Daphnia magna, reproduction), (OECD 211 method)
NOEC chronic fish	0.036 mg/l - 21 days (Pimephales promelas, reproduction)
NOEC chronic algae	0.468 mg/l - 72 Hours (Pseudokirchneriella subcapitata, Growth rate), (OECD 201 method)

#### Sodium hydroxide (1310-73-2)

LC50 fish	196 mg/l 96 Hours
EC50 Daphnia	40.4 mg/l 48 Hours (crustacea)
LC50 fish 2	125 mg/l 96 Hours (Gambusia affinis)

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<b>Sodium hydroxide (1310-73-2)</b>	
EC50 Daphnia 2	34.59 - 47.13 mg/l 48 Hours (Ceriodaphnia dubia)
<b>Tetrasodium ethylene diamine tetraacetate (64-02-8)</b>	
LC50 fish	486 mg/l - 96 Hours
<b>p-(1,1-Dimethylpropyl)phenol (80-46-6)</b>	
LC50 fish	2.5 mg/l - 96 Hours (Pimephales promelas), (OECD 203 method)
EC50 Daphnia	2.7 mg/l - 48 Hours (Daphnia magna, Mobility), (Read-across, Sodium p-tert-amylphenol)
ErC50 (algae)	4.2 mg/l - 72 Hours (Pseudokirchneriella subcapitata), (OECD 201 method), (Read-across, Sodium p-tert-amylphenol)
NOEC (chronic)	0.73 mg/l - 21 days (Daphnia magna, reproduction), (OECD 211 method), (Read-across, p-tert-Butylphenol)
NOEC chronic fish	0.1 mg/l - 100 days (Oryzias latipes, Fertility) (OECD 210 method)
NOEC chronic algae	1.8 mg/l - 72 Hours (Pseudokirchneriella subcapitata, Growth rate), (OECD 201 method), (Read-across, Sodium p-tert-amylphenol)

### 12.2. Persistence and degradability

<b>DECON-PHENE</b>	
Persistence and degradability	Not established.
<b>Isopropanol (67-63-0)</b>	
Persistence and degradability	Expected to be readily biodegradable.
<b>Biphenyl-2-ol (ortho-phenylphenol) (90-43-7)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	70.8 - 75.7 % - 28 days (OECD 301B method)
<b>p-(1,1-Dimethylpropyl)phenol (80-46-6)</b>	
Persistence and degradability	Inherently biodegradable.
Biodegradation	≈ 73 % - 28 days (OECD 301B method)

### 12.3. Bioaccumulative potential

<b>DECON-PHENE</b>	
Bioaccumulative potential	Not established.
<b>Isopropanol (67-63-0)</b>	
Bioconcentration factor (BCF REACH)	3
Log Pow	0.05
<b>Clorofene (ortho-benzyl-para-chlorophenol) (120-32-1)</b>	
Log Pow	4.276 (25 °C)
<b>Biphenyl-2-ol (ortho-phenylphenol) (90-43-7)</b>	
BCF fish 1	21.7 (Danio rerio)
Log Pow	3.18 (22.5 °C), (OECD 107 method)
Bioaccumulative potential	Not expected to bioaccumulate.
<b>p-(1,1-Dimethylpropyl)phenol (80-46-6)</b>	
BCF fish 1	229 l/kg (Quantitative structure-activity relationship (QSAR))
Log Pow	3.6 (22 °C)

### 12.4. Mobility in soil

<b>Biphenyl-2-ol (ortho-phenylphenol) (90-43-7)</b>	
Log Koc	2.4 - 2.6 (20 °C)
<b>p-(1,1-Dimethylpropyl)phenol (80-46-6)</b>	
Log Koc	3.17 (20 °C, Quantitative structure-activity relationship (QSAR))

### 12.5. Other adverse effects



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Other information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods : Dispose of this material and its container at hazardous or special waste collection point.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Additional information : Handle empty containers with care because residual vapors are flammable.

Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN2924 Flammable liquids, corrosive, n.o.s. (Isopropanol ; Sodium hydroxide), 3 (8), III

UN-No.(DOT) : UN2924

Proper Shipping Name (DOT) : Flammable liquids, corrosive, n.o.s. (Isopropanol ; Sodium hydroxide)

Transport hazard class(es) (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Packing group (DOT) : III - Minor Danger

Subsidiary risk (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136

Hazard labels (DOT) : 3 - Flammable liquid  
8 - Corrosive



Dangerous for the environment : Yes

Marine pollutant : Yes



DOT Packaging Non Bulk (49 CFR 173.xxx) : 203

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Symbols : G

DOT Special Provisions (49 CFR 172.102) : B1, IB3, T7, TP1, TP28

DOT Packaging Exceptions (49 CFR 173.xxx) : 150

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L

DOT Vessel Stowage Location : A

DOT Vessel Stowage Other : 40

Emergency Response Guide (ERG) Number : 132

Other information : No supplementary information available.

#### Transportation of Dangerous Goods

Transport document description : UN2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Isopropanol ; Sodium hydroxide), 3 (8), III

UN-No. (TDG) : UN2924

Proper Shipping Name (Transportation of Dangerous Goods) : FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Isopropanol ; Sodium hydroxide)

TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids

Packing group : III - Minor Danger

TDG Subsidiary Classes : 8

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TDG Special Provisions : 16  
Explosive Limit and Limited Quantity Index : 5 L  
Passenger Carrying Road Vehicle or Passenger : 5 L  
Carrying Railway Vehicle Index

### Transport by sea

Transport document description (IMDG) : UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Isopropanol ; Sodium hydroxide), 3 (8), III  
UN-No. (IMDG) : 2924  
Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Isopropanol ; Sodium hydroxide)  
Class (IMDG) : 3 - Flammable liquids  
Packing group (IMDG) : III - substances presenting low danger  
Subsidiary risks (IMDG) : 8 - Corrosive substances  
Marine pollutant : Yes



### Air transport

Transport document description (IATA) : UN 2924 Flammable liquid, corrosive, n.o.s. (Isopropanol ; Sodium hydroxide), 3 (8), III  
UN-No. (IATA) : 2924  
Proper Shipping Name (IATA) : Flammable liquid, corrosive, n.o.s. (Isopropanol ; Sodium hydroxide)  
Class (IATA) : 3 - Flammable Liquids  
Packing group (IATA) : III - Minor Danger  
Subsidiary risks (IATA) : 8 - Corrosive substances

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

DECON-PHENE	
SARA Section 311/312 Hazard Classes	Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Carcinogenicity Health hazard - Respiratory or skin sensitization Health hazard - Reproductive toxicity Health hazard - Serious eye damage or eye irritation Health hazard - Skin corrosion or Irritation Health hazard - Specific target organ toxicity (single or repeated exposure)

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Isopropanol	CAS-No. 67-63-0	5 - 10%
Biphenyl-2-ol (ortho-phenylphenol)	CAS-No. 90-43-7	1 - 5%

Isopropanol (67-63-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Clorofene (ortho-benzyl-para-chlorophenol) (120-32-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Biphenyl-2-ol (ortho-phenylphenol) (90-43-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Sodium hydroxide (1310-73-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
CERCLA RQ	1000 lb
Tetrasodium ethylene diamine tetraacetate (64-02-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

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### p-(1,1-Dimethylpropyl)phenol (80-46-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### Disodium decyl(sulphonatophenoxy)benzenesulphonate (36445-71-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

## 15.2. International regulations

### CANADA

No additional information available

### EU-Regulations

No additional information available

### National regulations

No additional information available

## 15.3. US State regulations

**⚠ WARNING:** This product can expose you to Biphenyl-2-ol (ortho-phenylphenol), which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Component	Carcinogenicity	Developmental toxicity	Reproductive toxicity male	Reproductive toxicity female	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Biphenyl-2-ol (ortho-phenylphenol)(90-43-7)	X					

Component	State or local regulations
Isopropanol(67-63-0)	U.S. - New Jersey - Right to Know Hazardous Substance List
Biphenyl-2-ol (ortho-phenylphenol)(90-43-7)	U.S. - New Jersey - Right to Know Hazardous Substance List
Sodium hydroxide(1310-73-2)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Revision date : 04/15/2019  
Data sources : US OSHA HazCom (GHS) 25 May 2012.  
Other information : This chemical is a pesticide product registered by the United States Environmental Protection Agency (211-36-68959) and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO. The pesticide label also includes other important information, including directions for use. In Canada, this product is a drug product registered with Health Canada. Canada DIN #02389770.

Full text of H-phrases:

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H290	May be corrosive to metals
H302	Harmful if swallowed

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H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

### Abbreviations and acronyms:

	ACGIH (American Conference of Government Industrial Hygienists)
	ATE (Acute Toxicity Estimate)
	CAS (Chemical Abstracts Service) number
	EC50 (Effective Concentration 50%)
	IARC (International Agency for Research on Cancer)
	IATA (International Air Transport Association)
	IMDG (International Maritime Dangerous Goods Code)
	IMO (International Maritime Organisation)
	LC50 (Lethal Concentration 50%)
	LD50 (Lethal Dose 50%)
	OECD (Organisation for Economic Co-operation and Development)
	OSHA (Occupational Safety and Health Administration) (US)
	STEL (Short Term Exposure Limit)
	TSCA (Toxic Substances Control Act) (US)
	TWA (Time Weighted Average)
	UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods)

### NFPA health hazard

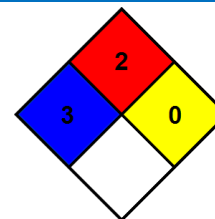
: 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

### NFPA fire hazard

: 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

### NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



### Hazard Rating

#### Health

: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given  
\* - Chronic (long-term) health effects may result from repeated overexposure

#### Flammability

: 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA)

#### Physical

: 4 Severe Hazard - Materials that are readily capable of explosive water reaction, detonation or explosive decomposition, polymerization, or self-reaction at normal temperature and pressure.

#### Personal protection

: G  
G - Safety glasses, Gloves, Vapor respirator

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Indication of changes:

Section	Changed item	Change	Comments
2	Hazards identification	Modified	
3	Composition/Information on ingredients	Modified	
4	First aid measures	Modified	
5	Fire fighting measures	Modified	
6	Accidental release measures	Modified	
7	Handling and storage	Modified	
8	Exposure controls / Personal protection equipment	Modified	
9	Physical and chemical properties	Modified	
10	Stability and reactivity	Modified	
11	Toxicological information	Modified	
12.	Ecological information	Modified	
13	Disposal considerations	Modified	
15	Regulatory information	Modified	
16	Other information	Modified	

SDS US (GHS HazCom 2012)

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*This SDS has been translated into the official language of the country/region in which the product is to be placed on the market. Where no official translation exists, the regulatory text is reported in English, as it appears in the relevant regulatory text.*