

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

072264133

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

072264174 072264190 072264430 072264596 272442317

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

072264166 072264448

**Issue Date** October 2011

**Revision Date** September 2013

**Version** 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** ProSpray C-60™  
**NOTE:** After dilution, please reference ProSpray™ Ready-to-Use Safety Data Sheet for warnings & precautions. Available online at: [www.Certol.com/ProSpray](http://www.Certol.com/ProSpray)

### Other Means of Identification

**SDS #** PSC60/SDS/I01

**UN/ID No.** UN1993

**Product Code** PSC60

### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use** Concentrated Surface Disinfectant, Cleaning and Holding Solution

### Details of the Supplier of the Safety Data Sheet

**Supplier Address** Certol International, LLC.  
 6120 East 58th Avenue  
 Commerce City, Colorado 80022  
[www.Certol.com](http://www.Certol.com)

### Emergency Telephone Number

**Company Phone Number(s)**  
 Phone: 303-799-9401  
 Toll-Free: 1-800-843-3343  
 Fax: 303-799-9408

### **24 Hour Emergency Telephone**

INFOTRAC: 1-800-535-5053 (North America)  
 INFOTRAC: 1-352-323-3500 (International)

## 2. HAZARDS IDENTIFICATION

### Classification

Acute Toxicity - Inhalation (Vapors)	Category 4
Acute Toxicity - Inhalation (Dust / Mist)	Category 4
Serious Eye Damage / Eye Irritation	Category 1
Skin Corrosion / Irritation	Category 2
Specific Target Organ Toxicity (Repeated Exposure)	Category 3
Flammable Liquids	Category 3

**Signal Word** Danger.

## 2. HAZARDS IDENTIFICATION (continued)

**Hazard Statements** Harmful if swallowed.  
Causes skin irritation.  
Causes serious eye damage.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
Flammable liquid and vapor.

**Appearance** Natural Colored Liquid.

**Physical State** Liquid.

**Odor** Alcohol, Phenol and Lemon.



### **Precautionary Statements-Prevention**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves, protective clothing, eye protection and face protection.  
Wash face, hands and any exposed skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Do not breathe dust/fumes/gas/mist/vapors/spray.  
Keep container tightly closed.  
Keep away from heat/sparks/open flames/hot surfaces.  
Take precautions against static discharge.  
Keep cool.

### **Precautionary Statements-Response**

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Control Center or doctor/physician.

**IF SWALLOWED:** Immediately call a Poison Control Center or doctor/physician. Rinse mouth. Do not induce vomiting.

**IF EXPOSED:** Call a Poison Control Center or doctor/physician.

**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 Control Center or doctor/physician.

**IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a Poison Control Center or doctor/physician.

**IN CASE OF FIRE:** Use CO<sub>2</sub>, dry chemical or alcohol resistant foam to extinguish.

## 2. HAZARDS IDENTIFICATION (continued)

### Precautionary Statements - Storage

Store in a closed container in a cool, dry, well-ventilated place away from incompatible materials. Do not store below 45°F (7°C) or above 80°F (27°C)

**Keep out of the reach of children and pets.**

### Precautionary Statements - Disposal

Dispose according to all local, state and federal regulations.

### Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed.

### Other Hazardous

Toxic to aquatic life.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
o-phenylphenol	90-43-7	9
o-benzyl-p-chlorophenol	120-32-1	1
Isopropyl Alcohol	67-63-0	26
Dodecyl Benzene Sulfonic Acid	27176-87-0	*
Potassium Hydroxide	1310-58-3	*
EDTA	60-00-4	*

\*The exact percentage is a trade secret.

## 4. FIRST AID MEASURES

### First Aid Measures

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Call a physician or Poison Control Center immediately.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If irritation persists seek medical attention.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Call a physician or Poison Control Center immediately.
<b>Skin Contact</b>	Wash skin with flowing water or shower. If irritation persists, seek medical attention.

### Most Important Symptoms and Effects, both Acute and Delayed

<b>Symptoms</b>	May cause mild skin irritation. May cause corneal injury and burn. Inhalation may cause respiratory tract irritation. Ingestion may cause burning of the mouth, throat and digestive tract.
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### Indication of any Immediate Medical Attention and Special Treatment Needed

<b>Note to Physicians</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use CO<sub>2</sub>, dry chemical or alcohol resistant foam to extinguish.

### **Unsuitable Extinguishing Media**

Not Determined.

### Specific Hazards Arising from the Chemical

None Known.

### **Hazardous Combustion Products**

Phenolic compounds, carbon monoxide and toxic fumes of chlorine and chlorides may be emitted.

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

#### **Personal Precautions**

Use personal protective equipment as recommended in section 8.  
The wet, contaminated surface may be slippery.

#### **For Emergency Responders**

Restrict access to spill area. Ventilate the area.

#### **Environmental Precautions**

Prevent entry into waterways, sewers, basements or confined areas.  
See Section 12 for additional ecological information.

### Methods and Material for Containment and Cleaning Up

#### **Methods for Containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for Cleaning Up**

Use a non-combustible material like vermiculite, sand or clay to soak up. Place into a container for later disposal. Dispose according to all local, state and federal regulations.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

#### **Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practices.  
Use personal protection recommended in Section 8.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves, protective clothing, eye protection and face protection.  
Wash face, hands and any exposed skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Do not breathe dust/fumes/gas/mist/vapors/spray.  
Keep container tightly closed.  
Keep away from heat/sparks/open flames/hot surfaces.  
Take precautions against static discharge.  
Keep cool.

**Keep out of the reach of children and pets.**

### Conditions for Safe Storage, Including any Incompatibilities

#### **Storage Conditions**

Store in a closed container in a cool, dry, well-ventilated place away from incompatible materials. Do not store below 45°F (7°C) or above 80°F (27°C)

**Keep out of the reach of children and pets.**

#### **Incompatible Materials**

Acids and oxidizing agents.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> TWA: 400 ppm (Vacated) TWA: 980 mg/m <sup>3</sup> (Vacated) STEL: 500 ppm (Vacated) STEL: 1225 mg/m <sup>3</sup> (Vacated)	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>
Potassium Hydroxide 1310-58-3	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup> (Vacated)	Ceiling: 2 mg/m <sup>3</sup>

### Appropriate Engineering Controls

#### **Engineering Controls**

Apply technical measures to comply with the occupational exposure limits.  
Eyewash stations and showers.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION (continued)

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/Face Protection

Wear goggles, chemical safety glasses or a face protection shield.

#### Skin and Body Protection

Chemical resistant, impermeable gloves.

Wear appropriate clothing to prevent repeated or prolonged skin contact.

#### Respiratory Protection

Under normal conditions a respirator is not normally required.

A mask or respirator may be used if vapor concentration is high.

#### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practices.

Wash face, hands and any exposed skin thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Liquid.
<b>Appearance</b>	Natural Colored Liquid.
<b>Color</b>	Natural Color.
<b>Odor</b>	Alcohol, Phenol and Lemon.

<b>Property</b>	<b>Values</b>	<b>Remarks * Method</b>
<b>pH</b>	9.5 - 10.5	68°F (20°C)
<b>Melting Point / Freezing Point</b>	< 32°F / < 0°C	
<b>Boiling Point / Boiling Range</b>	188°F / 87°C	(Approximate)
<b>Flash Point</b>	80°F / 27°C	
<b>Evaporation Rate</b>	< 1	(Butyl acetate = 1) (Approximate)
<b>Flammability (Solid/Gas)</b>	N/A-Liquid.	
<b>Flammability Limits In Air</b>	Not Determined.	
<b>Vapor Pressure</b>	Not Determined.	
<b>Vapor Density</b>	> 1	(Air = 1) (Approximate)
<b>Specific Gravity</b>	0.997	68°F (20°C) (Water = 1)
<b>Water Solubility</b>	Completely Soluble.	
<b>Partition Coefficient</b>	See Section 12.	
<b>Autoignition Temperature</b>	Not Determined.	
<b>Decomposition Temperature</b>	Not Determined.	
<b>Kinematic Viscosity</b>	Not Determined.	
<b>Dynamic Viscosity</b>	Not Determined.	
<b>Explosive Properties</b>	Not Determined.	
<b>Oxidizing Properties</b>	Not Determined.	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization will not occur.

### Conditions to Avoid

Avoid direct sunlight. Avoid temperatures below 45°F (7°C). Avoid temperatures above 80°F (27°C).

### Incompatible Materials

Acids and oxidizing agents.

### Hazardous Decomposition Products

Combustion products may include phenolic compounds, carbon monoxide and toxic fumes of chlorine and chlorides.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

<b>Inhalation</b>	Harmful if inhaled.
<b>Eye Contact</b>	Causes serious eye damage.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin Contact</b>	Causes skin irritation.

#### Component Information

Chemical Name	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LC <sub>50</sub>
Isopropyl Alcohol 67-63-0	4396 mg/kg ( Rat )	12800 mg/kg ( Rat )	72.6 mg/L ( Rat ) 4 hr.
o-phenylphenol 90-43-7	1049 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	> 0.949 mg/L ( Rat ) 1 hr.
Potassium Hydroxide 1310-58-3	214 mg/kg ( Rat )	N/A	N/A

### Information on Physical, Chemical and Toxicological Effects

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
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## 11. TOXICOLOGICAL INFORMATION (continued)

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl Alcohol 67-63-0	A4	Group 3	N/A	N/A
o-phenylphenol 90-43-7	N/A	Group 3	N/A	N/A

**IARC (International Agency for Research on Cancer)**

Group 3 - Not Carcinogenic to Humans.

**ACGIH (The American Conference of Governmental Industrial Hygienists)**

A4 - Not Classifiable as a Human Carcinogen.

**STOT - Single Exposure**

May cause respiratory irritation, drowsiness or dizziness.

**STOT - Repeated Exposure**

Not Determined.

**Numerical Measures of Toxicity**

Not Determined.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic organisms.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Isopropyl Alcohol 67-63-0	Known Toxin	Known Toxin	No Information	Known Toxin
o-phenylphenol 90-43-7	Known Toxin	Known Toxin	Known Toxin	Known Toxin

**Persistence and Degradability**

Not Determined.

**Bioaccumulation**

Not Determined.

**Mobility**

Chemical Name	Partition Coefficient
Isopropyl Alcohol 67-63-0	0.05
o-phenylphenol 90-43-7	3.09

**Other Adverse Effects**

Not Determined.

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

##### Disposal of Wastes

Dispose according to all local, state and federal regulations.

##### Contaminated Packaging

Dispose according to all local, state and federal regulations.

Chemical Name	California Hazardous Waste Status
Isopropyl Alcohol 67-63-0	Toxic / Ignitable
Potassium Hydroxide 1310-58-3	Toxic / Corrosive

### 14. TRANSPORT INFORMATION

#### Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** UN/ID No UN1993  
Proper Shipping Name Flammable Liquids, n.o.s. (Contains Isopropyl Alcohol)  
Hazard Class 3  
Packing Group III

**IATA** UN/ID No UN1993  
Proper Shipping Name Flammable Liquids, n.o.s. (Contains Isopropyl Alcohol)  
Hazard Class 3  
Packing Group III

**IMDG** UN/ID No UN1993  
Proper Shipping Name Flammable Liquids, n.o.s. (Contains Isopropyl Alcohol)  
Hazard Class 3  
Packing Group III

### 15. REGULATORY INFORMATION

#### International Inventories

Not Determined.

##### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/  
European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**15. REGULATORY INFORMATION (continued)**

**US Federal Regulations**

**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA / SARA RQ	Reportable Quantity (RQ)
Potassium Hydroxide 1310-58-3	1000 lb.	N/A	RQ 1000 lb. final RQ RQ 454 kg final RQ
Dodecyl Benzene Sulfonic Acid 27176-87-0	1000 lb.	N/A	RQ 1000 lb. final RQ RQ 454 kg final RQ
EDTA 60-00-4	5000 lb.	N/A	RQ 5000 lb. final RQ RQ 2270 kg final RQ

**SARA 311/312**

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 311/312.

**SARA 313**

Chemical Name	CAS No	Weight %	SARA 313 - Threshold Values %
Isopropyl Alcohol	67-63-0	26%	1.0%
o-phenylphenol	90-43-7	9%	1.0%
o-benzyl-p-chlorophenol	120-32-1	1%	0.1%

**CWA (Clean Water Act)**

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Potassium Hydroxide 1310-58-3	1000 lb.	N/A	N/A	X
Dodecyl Benzene Sulfonic Acid 27176-87-0	1000 lb.	N/A	N/A	X
EDTA 60-00-4	5000 lb.	N/A	N/A	X

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
o-phenylphenol 90-43-7	See Note Below

**NOTE:** In a letter dated September 10, 2008, from Lanxess, Certol International, LLC's Supplier of 2-phenylphenol (OPP), Lanxess Stated: "As none of the organizations/programs below have 2-phenylphenol (OPP) listed as a carcinogen, we do not see the legal authority to have 2-phenylphenol (OPP) listed under Proposition 65 in the State of California. National Toxicology Program (NTP); International Agency for Research on Cancer (IARC); Occupational Safety and Health Administration (OSHA); Environmental Protection Agency (EPA)."

**15. REGULATORY INFORMATION (continued)**

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isopropyl Alcohol 67-63-0	X	X	X
o-phenylphenol 90-43-7	X	X	X
Potassium Hydroxide 1310-58-3	X	X	X
Dodecyl Benzene Sulfonic Acid 27176-87-0	X	X	X
EDTA 60-00-4	X	X	X
o-benzyl-p-chlorophenol 120-32-1	X	N/A	X

**16. OTHER INFORMATION**

**NFPA**

<b>Health Hazards</b> 2	<b>Flammability</b> 1	<b>Instability</b> 0	<b>Special Hazards</b> Not Determined.
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**HMIS**

<b>Health Hazards</b> Not Determined.	<b>Flammability</b> Not Determined.	<b>Physical Hazards</b> Not Determined.	<b>Personal Protection</b> Not Determined.
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**Issue Date**            October 2011

**Revision Date**        September 2013

**Revision Note**        New format.

**Disclaimer**

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End of Safety Data Sheet