



SAFETY DATA SHEET

ProSpray C-60™

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200.

1. Identification

Product identifier

Product name ProSpray C-60™

Product number PSC6048, PSC6032, PSC60128

Recommended use of the chemical and restrictions on use

Application Concentrated Surface Disinfectant. Note: After dilution, please reference ProSpray™ Ready-to-Use Safety Data Sheet for warning and precautions. Available online at: www.Microcare.com/Certol.

Details of the supplier of the safety data sheet

Manufacturer MICROCARE, LLC
6120 E 58th Ave
Commerce City, CO 80022
United State of America
www.microcare.com/certol
Tel: +1 303 799 9401 Toll Free +1 800 843 3343

Emergency telephone number

Emergency telephone INFOTRAC 1-800-535-5053 (U.S.A. and CANADA)
1-352-323-3500 (from anywhere in the world)

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Flam. Liq. 3 - H226

Health hazards Skin Corr. 1C - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 2 - H351 Repr. 2 - H361f
STOT SE 3 - H336 STOT RE 2 - H373

Label elements

Hazard symbols



Signal word

Danger

Hazard statements

H226 Flammable liquid and vapor.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H361f Suspected of damaging fertility.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.

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Precautionary statements	P201 Obtain special instructions before use.
	P202 Do not handle until all safety precautions have been read and understood.
	P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
	P243 Take precautionary measures against static discharge.
	P260 Do not breathe vapor/ spray.
	P264 Wash contaminated skin thoroughly after handling.
	P271 Use only outdoors or in a well-ventilated area.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	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.
	P308+P313 If exposed or concerned: Get medical advice/ attention.
	P314 Get medical advice/ attention if you feel unwell.
	P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.	
P403+P233 Store in a well-ventilated place. Keep container tightly closed.	
P501 Dispose of contents/ container in accordance with national regulations.	

Contains	Isopropyl Alcohol, Benzenesulfonic Acid, Ethylenediaminetetraacetic acid (EDTA), Potassium Hydroxide, o-benzyl-p-chlorophenol, d-Limonene
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3. Composition/information on ingredients

Mixtures

Isopropyl Alcohol	10-30%
CAS number: 67-63-0	
o-phenylphenol	5-10%
CAS number: 90-43-7	
Benzenesulfonic Acid	5-10%
CAS number: 68584-22-5	
Ethylenediaminetetraacetic acid (EDTA)	1-5%
CAS number: 64-02-8	
Potassium Hydroxide	1-5%
CAS number: 1310-58-3	
o-benzyl-p-chlorophenol	1-5%
CAS number: 120-32-1	
d-Limonene	<1%
CAS number: 5989-27-5	

Composition

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4. First-aid measures

Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues. If in doubt, get medical attention promptly.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.
Skin Contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Wash clothing and clean shoes thoroughly before reuse. Get medical attention if any discomfort continues. Get medical attention if symptoms are severe or persist.
Eye contact	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed

Inhalation	Inhalation may cause respiratory tract irritation.
Ingestion	Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.
Skin contact	Skin contact can lead to drying, itching, stinging, and irritation.
Eye contact	Exposed individuals may experience eye tearing, redness, and discomfort.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	None known.

Special hazards arising from the substance or mixture

Hazardous combustion products	Phenolic compounds, carbon monoxide and toxic fumes of chlorine and chlorides may be emitted.
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Advice for firefighters

Protective actions during firefighting	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	For personal protection, see Section 8. Take care as floors and other surfaces may become slippery.
For emergency responders	Restrict access to spill area. Ventilate area.

Environmental precautions

Environmental precautions	Avoid the spillage or runoff entering drains, sewers or watercourses. Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.
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Methods and material for containment and cleaning up

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Methods for cleaning up Stop leak if safe to do so. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Dispose of contents/container in accordance with national regulations. Dispose of contents/container in accordance with regional regulations. Dispose of contents/container in accordance with local regulations.

7. Handling and storage

Precautions for safe handling

Usage precautions Handle in accordance with good industrial hygiene and safety practices. Wash hands thoroughly after handling. Avoid contact with skin. Do not eat, drink or smoke when using this product. Keep cool. Keep out of the reach of children.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10). Store at temperatures above 7°C/45°F. Store at temperatures not exceeding 27°C/80°F.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

Isopropyl Alcohol

Long-term exposure limit (8-hour TWA): OSHA 400 ppm 980 mg/m³

Long-term exposure limit (8-hour TWA): ACGIH 200 ppm 492 mg/m³

Short-term exposure limit (15-minute): ACGIH 400 ppm 984 mg/m³

A4

Sulfuric Acid

Long-term exposure limit (8-hour TWA): OSHA 1 mg/m³

Long-term exposure limit (8-hour TWA): ACGIH 0.2 mg/m³ thoracic fraction

A2

Citral

Long-term exposure limit (8-hour TWA): ACGIH 5 ppm inhalable fraction and vapor

A4, Sk, DSens

Sulfur Dioxide

Long-term exposure limit (8-hour TWA): OSHA 5 ppm 13 mg/m³

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

A2 = Suspected Human Carcinogen.

Sk = Danger of cutaneous absorption.

DSens = Dermal sensitizer.

Exposure controls

Appropriate engineering controls Provide eyewash station and safety shower.

Personal protection Handle in accordance with good industrial hygiene and safety practices. Wash hands after handling.

Eye/face protection Wear tight-fitting, chemical splash goggles or face shield.

Other skin and body protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

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Respiratory protection No specific requirements are anticipated under normal conditions of use. If ventilation is inadequate, suitable respiratory protection must be worn.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Liquid
Color	Beige.
Odor	Alcoholic. Lemon. Phenolic.
pH	pH (concentrated solution): 9.5-10.5
Melting point	0°C/32°F
Initial boiling point and range	87°C/188°F
Flash point	27°C/80°F
Evaporation rate	< 1
Flammability (solid, gas)	N/A-liquid
Vapor pressure	No specific test data are available.
Vapor density	> 1
Relative density	0.997 @ 15.5°C/60°F
Solubility(ies)	Completely soluble in water.
Partition coefficient	No specific test data are available.
Auto-ignition temperature	Data lacking.
Decomposition Temperature	No information available.
Viscosity	Not available.
Explosive properties	Not considered to be explosive.
Oxidizing properties	Not available.

10. Stability and reactivity

Reactivity	Not reactive under normal conditions.
Stability	Stable under the prescribed storage conditions.
Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur.
Conditions to avoid	Avoid exposure to high temperatures or direct sunlight.
Materials to avoid	Acids. Oxidizing agents.
Hazardous decomposition products	None known. Phenolic compounds, carbon monoxide and toxic fumes of chlorine and chlorides may be emitted.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

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ATE oral (mg/kg) 6,174.03

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l) 150.0

Toxicological information on ingredients.

Isopropyl Alcohol

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 16,000.0

ATE inhalation (vapours mg/l) 16,000.0

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

NTP carcinogenicity Not listed.

OSHA Carcinogenicity Not listed.

o-phenylphenol

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Benzenesulfonic Acid

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,470.0

Species Rat

ATE oral (mg/kg) 1,470.0

Ethylenediaminetetraacetic acid (EDTA)

Acute toxicity - oral

ATE oral (mg/kg) 500.0

o-benzyl-p-chlorophenol

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l) 1.5

d-Limonene

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,000.0

Species Rat

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

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ATE oral (mg/kg)	5,000.0
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	5,000.0
Species	Rabbit
Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
ATE dermal (mg/kg)	5,000.0
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC₅₀ vapours mg/l)	1,000.0
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
ATE inhalation (vapours mg/l)	1,000.0
<u>Skin corrosion/irritation</u>	
Animal data	Irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Based on available data the classification criteria are not met.
<u>Respiratory sensitization</u>	
Respiratory sensitization	Based on available data the classification criteria are not met.
<u>Skin sensitization</u>	
Skin sensitization	May cause skin sensitization or allergic reactions in sensitive individuals.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
<u>Aspiration hazard</u>	
Aspiration hazard	Based on available data the classification criteria are not met.

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General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known.
Ingestion	May cause sensitization or allergic reactions in sensitive individuals. May cause irritation.
Skin Contact	May cause skin sensitization or allergic reactions in sensitive individuals. Redness. Irritating to skin.
Eye contact	No specific symptoms known.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target Organs	No specific target organs known.
Medical considerations	Skin disorders and allergies.

Sulfuric Acid

Carcinogenicity

NTP carcinogenicity Known human carcinogen.

Sulfur Dioxide

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

12. Ecological information

Ecological information on ingredients.

Isopropyl Alcohol

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 9,640 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 5102 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: >2,000 mg/l, Algae

d-Limonene

Toxicity Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

Acute aquatic toxicity

Acute toxicity - fish	EC ₅₀ , 96 hours: 0.69 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.42 mg/l, Daphnia magna

Persistence and degradability

Ecological information on ingredients.

d-Limonene

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Persistence and degradability The degradability of the product is not known.

Biodegradation - Degradation 92.7: 21 days

Bioaccumulative potential

Partition coefficient No specific test data are available.

Ecological information on ingredients.

Isopropyl Alcohol

Partition coefficient : 0.05

d-Limonene

Bio-Accumulative Potential No data available on bioaccumulation.

Partition coefficient No information available.

Mobility in soil

Ecological information on ingredients.

d-Limonene

Mobility No data available.

Other adverse effects

Ecological information on ingredients.

d-Limonene

Other adverse effects None known.

13. Disposal considerations

Waste treatment methods

General information The generation of waste should be minimized or avoided wherever possible.

Disposal methods Dispose of contents/container in accordance with national regulations. Dispose of contents/container in accordance with regional regulations. Dispose of contents/container in accordance with local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses.

14. Transport information

UN Number

UN No. (IMDG) 1993

UN No. (ICAO) 1993

UN proper shipping name

Proper shipping name (TDG) LIMITED QUANTITY

Proper shipping name (IMDG) FLAMMABLE LIQUID, N.O.S. (ISOPROPYL ALOCHOL), 3, III, LIMITED QUANTITY

Proper shipping name (ICAO) FLAMMABLE LIQUID, N.O.S. (ISOPROPYL ALOCHOL), 3, III, LIMITED QUANTITY

Proper shipping name (DOT) LIMITED QUANTITY

Transport hazard class(es)

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IMDG Class 3

ICAO class/division 3

Packing group

IMDG packing group III

ICAO packing group III

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US Federal Regulations

SARA 313 Emission Reporting

The following ingredients are listed:

o-phenylphenol

SARA (311/312) Hazard Categories

Acute
Chronic
Fire

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

This product can expose you to 2-PHENYLPHENOL, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

This product can expose you to SULPHUR DIOXIDE, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California Air Toxics "Hot Spots" (A-I)

The following ingredients are listed:

Isopropyl Alcohol

Sulfuric Acid

California Directors List of Hazardous Substances

The following ingredients are listed:

Isopropyl Alcohol

Sulfur Dioxide

Sulfuric Acid

Massachusetts "Right To Know" List

The following ingredients are listed:

o-benzyl-p-chlorophenol

Isopropyl Alcohol

Potassium Hydroxide

o-phenylphenol

Rhode Island "Right To Know" List

The following ingredients are listed:

Isopropyl Alcohol

Potassium Hydroxide

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Minnesota "Right To Know" List

The following ingredients are listed:

Isopropyl Alcohol

Potassium Hydroxide

New Jersey "Right To Know" List

The following ingredients are listed:

Isopropyl Alcohol

Ethylenediaminetetraacetic acid (EDTA)

Potassium Hydroxide

Sulfuric Acid

Pennsylvania "Right To Know" List

The following ingredients are listed:

o-benzyl-p-chlorophenol

Isopropyl Alcohol

Ethylenediaminetetraacetic acid (EDTA)

Potassium Hydroxide

o-phenylphenol

Inventories

Canada - DSL/NDSL

Present.

US - TSCA

All the ingredients are listed or exempt.

16. Other information

Revision date	6/6/2022
Revision	4
Supersedes date	6/6/2022
SDS No.	DISINFECTANT-PSC60-I04
Hazard statements in full	H226 Flammable liquid and vapor. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H336 May cause drowsiness or dizziness. H351 Suspected of causing cancer. H361f Suspected of damaging fertility. H373 May cause damage to organs through prolonged or repeated exposure.
NFPA - health hazard	Temporary incapacitation, injury. (2)
NFPA - flammability hazard	Burns only if pre-heated. (1)
NFPA - instability hazard	Normally stable. (0)

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.