SDS DATE: 9/18/2015

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: McKesson Pro Tech Disinfectant Spray Citrus Scent
MFR #: 53-28584

DISTRIBUTED BY: McKesson Medical-Surgical Inc.
9954 Mayland Drive, Suite 4000
Richmond, Virginia 23233

INFORMATION LINE: 1-800-777-4908
Monday – Friday 8:00 a.m. – 6:00 p.m. EST

EMERGENCY PHONE: 1-800-451-8346 (3E Company) Day or Night

PRODUCT DESCRIPTION: Alcohol based aerosol disinfectant.

2. HAZARDS IDENTIFICATION

Appearance Aerosol can **Physical State** Liquid under pressure **Odor** Citrus

Classification

Extremely flammable aerosol	Category 1

Signal Word
Danger

Hazard Statements

Extremely flammable aerosol

This product is a U.S. EPA Registered pesticide, EPA Reg. No. 211-32-80366, and is subject to specific 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 products.

Precautionary Statements - Prevention
This product is regulated by the US EPA as a disinfectant.
Flammable. Contents under pressure. Keep away from heat, sparks, and open flame. Do not smoke while using this product. Do not puncture or incinerate container. Exposure to temperature above 130*F may cause bursting,

Precautionary Statements – Response
Causes moderate eye irritation. Do not spray in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.
Precautionary Statements - Storage
KEEP OUT OF REACH OF CHILDREN - Do not contaminate water, food, or feed by storage or disposal.
Store in a cool, dry place away from heat or open flame.
Precautionary Statements - Disposal
Do not reuse or refill this container. Offer for recycling, if available. If not, discard in trash.
Other Hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Ethyl Alcohol	64-17-5	69.6
O-phenylphenol	90-43-7	0.21
Isobutane	75-28-5	<10
Propane	74-98-6	<10

4. FIRST-AID MEASURES

First Aid Measures

General Advice Provide this SDS to medical personnel for treatment. Always get medical attention when product is inhaled or when symptoms are significant or persist.

Eye Contact Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment or further advice.

Skin Contact Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for further treatment advice.

Inhalation Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician / poison center if individual's condition declines or if symptoms persist.

Most important symptoms and effects

Symptoms If in eyes: Burning sensation, watering, or redness.
If on skin: Redness, irritation, or burning sensation with prolonged exposure.
If spray mist is inhaled: Coughing, stupor, drowsiness or loss of consciousness with prolonged breathing of vapors.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Alcohol resistant foam, water spray, carbon dioxide, or dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

Hazardous Combustion Products May include and are not limited to carbon oxides.

Sensitivity to Static Discharge Not determined

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. Use water spray to keep exposed containers cool to prevent bursting.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Wear protective clothing as described in Section 8 of this safety data sheet. Keep unnecessary personnel away. Do not touch or walk through spilled material.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so. Absorb spill with an inert absorbent material.

Methods for Clean-Up Use clean non-sparking tools to collect absorbed material.
Do not discharge into lakes, streams, ponds or public waters. Advise authorities if product has penetrated drains, sewers or water pipes.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Do not contaminate water, food, or feed. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Wash hands after handling and before eating. Read and observe all precautions and instructions on the label. Do not ingest. Contents under pressure. Do not puncture or incinerate container.

Conditions for safe storage, including any incompatibilities

Storage Conditions **S**tore in a cool, dry and well-ventilated place. Keep out of the reach of children. Do not store near ignition sources or at temperatures above 120°F.

Incompatible Materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m^3 (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m^3	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m^3
Isobutane 75-28-5	TWA: 1000 ppm	Not established	Not established
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm	Not established

Appropriate engineering controls

Engineering Controls	Mechanical Ventilation (General): Normally Sufficient Local Exhaust: May be needed if used in a confined area.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	USE Safety Glasses when spraying of the product into the eyes is possible.
Skin and Body Protection	Gloves not normally required when used as directed. Avoid contact with the skin. Use employer guidelines or procedures when available.
Respiratory Protection	General ventilation is normally adequate. Do not create or inhale mists or vapors. Use an approved vapor respirator in tight or close areas.
General Hygiene Considerations	Wash hands after using. Do not get into eyes, on skin, or clothing. May be harmful if swallowed. Protect food and drink from contamination by product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Gas		
Appearance	Misty spray	**Odor**	Citrus
Color	Water clear	**Odor Threshold**	Not determined

Property	**Values**	**Remarks •**
pH	Not available	
Melting Point/Freezing Point	Not available	
Boiling Point/Boiling Range	100 °C / 212 °F	
Flash Point	18.33 °C / 65 °F	
Evaporation Rate	Not established	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	19.0%	
Lower Flammability Limit	3.3%	
Vapor Pressure	Not established **Vapor**	
Density	Not established	
Specific Gravity	@25°C .8175 to .8275	
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
Density	6.815-6.899 lbs/gal	

10. STABILITY AND REACTIVITY

Reactivity
This product may react with strong oxidizing agents.
Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to Avoid
Heat, open flames, static discharge, sparks and other ignition sources. Aerosol containers are unstable at temperatures above 120°F.

Incompatible Materials
Strong oxidizing agents.

Hazardous Decomposition Products
Carbon monoxide. Carbon dioxide (CO2).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact May cause temporary irritation on eye contact.

Skin Contact Prolonged contact may cause redness and irritation.

Inhalation Avoid breathing vapors or mists.

Ingestion Can be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Alcohol 64-17-5	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h
O-phenylphenol 90-43-7	= 1049 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 0.949 mg/L (Rat) 1 h
Isobutane 75-28-5	-	-	= 658 mg/L (Rat) 4 h

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol 64-17-5	A3	Group 1	Known	X
O-phenylphenol 90-43-7		Group 3		

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 3 IARC components are "not classifiable as human carcinogens"
NTP (National Toxicology Program)
Known - Known Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Numerical measures of toxicity
Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity
Toxic to aquatic organisms. Toxic to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethyl Alcohol 64-17-5		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static
O-phenylphenol 90-43-7	0.85: 72 h Desmodesmus subspicatus mg/L EC50	3.4: 96 h Pimephales promelas mg/L LC50 flow-through 2.74: 96 h Lepomis macrochirus mg/L LC50 2.75: 96 h Oncorhynchus mykiss mg/L LC50 5.8: 96 h Poecilia reticulata mg/L LC50 static	EC50 = 2.05 mg/L 5 min	1 - 2.5: 48 h Daphnia magna mg/L EC50 Static

Persistence/Degradability
Not determined

Bioaccumulation
Not determined

Mobility

Chemical Name	Partition Coefficient
Ethyl Alcohol 64-17-5	-0.32
O-phenylphenol 90-43-7	3.18

Other Adverse Effects
Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Not applicable

Contaminated Packaging Dispose in accordance with all applicable regulations. Discard in trash or offer for recycling, if available.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Ethyl Alcohol 64-17-5	Toxic Ignitable

14. TRANSPORT INFORMATION

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

DOT
DOT

UN/ID No UN1950
Proper Shipping Name Aerosols, flammable,
Hazard Class 2.1 Limited Quantity

IMDG

UN/ID No UN1950
Proper Shipping Name Aerosols, flammable,
Hazard Class 2.1 Limited Quantity
Marine Pollutant This material may meet the definition of a marine pollutant

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*

US Federal Regulations

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
O-phenylphenol - 90-43-7	90-43-7	0.23-0.29	1.0

US State Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
Registered with the US EPA, EPA Reg. No. 211-32-80366.

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Ethyl Alcohol - 64-17-5	Carcinogen Developmental
O-phenylphenol - 90-43-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethyl Alcohol 64-17-5	X	X	X
O-phenylphenol 90-43-7	X	X	X

16. OTHER INFORMATION

NFPA

Health Hazards Not determined
Flammability Not determined
Instability Not determined
Special Hazards Not determined

HMIS

Health Hazards 2
Flammability 3
Physical Hazards 0
Personal Protection B- Safety Glasses, Gloves

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Revision Note	New format

DISCLAIMER: This information relates onto to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. The information and recommendations contained herein are to the best of the manufacturer's knowledge and belief accurate and reliable as of the date indicated. No representation warranty or guarantee, however, is made with regards to accuracy, reliability or completeness. Conditions of use of the material are under the control of the user; therefore, it is the user's responsibility to satisfy itself as to the suitability and completeness of such information for its own particular use. Appropriate warnings and safe-handling procedures should be provided to handlers and users.