

SAFETY DATA SHEET

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

Revision Date: 08-16-2018

Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking**1.1 – Product Identifier**

Product Number: 2660-0307
Product Identifier: Disinfectant Deodorant Spray

1.2 – Details of the Supplier of the Safety Data Sheet

Manufactured For: Gabriel First Corp.
233 W. Commercial Street
East Rochester, NY 14445 USA
Telephone: 585-381-7000

1.3 – Emergency Telephone Number

Emergency Telephone: 800-424-9300

1.4 – Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use: Not available.
Recommended Restrictions: None known.

Section 2 – Hazard's Identification**2.1 – Classification of the Substance or Mixture**

Physical Hazards:	Flammable aerosols.	Category 1
Health Hazards:	Skin corrosion/irritation.	Category 2
	Serious eye damage/eye irritation.	Category 2
Environmental Hazards:	Hazardous to the aquatic environment, acute hazard.	Category 3
	Hazardous to the aquatic environment, long-term hazard.	Category 3
OSHA Defined Hazards:	Not classified.	

2.2 – Label Elements

Label Elements:



Signal Word: Danger

Hazard Statement: Extremely flammable aerosol. Causes serious eye irritation.

Precautionary Statement

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash thoroughly after handling. Avoid release to the environment. Wear eye/face protection.

Response:

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage:

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal:

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

2.3 – Other Hazards

Hazard(s) Not Otherwise Classified (HNOC): None known.

Supplemental Information: None.

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Section 3 – Composition/Information on Ingredients**3.1 – Mixtures**

Chemical Name	Common Name and Synonyms	CAS Number	%
Ethyl Alcohol		64-17-5	40 - 60
Butane		106-97-8	10 - 20
Propane		74-98-6	2.5 - 10
o-Phenylphenol		90-43-7	0.1 - 1
Other components below reportable levels			20 - 40

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

Section 4 – First Aid Measures**4.1 – Description of First Aid Measures**

First Aid Measures After Inhalation:	Move to fresh air. Call a physician if symptoms develop or persist.
First Aid Measures After Skin Contact:	Wash with plenty of soap and water. Get medical attention if irritation develops and persists.
First Aid Measures After 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. If eye irritation persists: Get medical advice/attention.
First Aid Measures After Ingestion:	In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth thoroughly.

4.2 – Most Important Symptoms/Effects, Acute and Delayed

Most Important Symptoms/Effects, Acute and Delayed:	Headache. Irritation of nose and throat. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing. Skin irritation.
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4.3 – Indication of Any Immediate Medical Attention and Special Treatment Needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

4.4 – General Information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5 – Fire-Fighting Measures**5.1 – Extinguishing Media****Suitable Extinguishing Media:** Alcohol resistant foam. Water spray. Water fog. Dry chemical powder. Dry chemicals. Carbon dioxide (CO₂).**Unsuitable Extinguishing Media:** Do not use water jet as an extinguisher, as this will spread the fire.**5.2 – Special Hazards Arising From the Substance or Mixture****Specific Hazards Arising From the Chemical:** Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.**5.3 – Advice for Firefighters****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:** Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up.**General Fire Hazards:** Extremely flammable aerosol.**Section 6 – Accidental Release Measures****6.1 – Personal Precautions, Protective Equipment and Emergency Procedures**

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 touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

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6.2 – Methods and Material for Containment and Cleaning Up

Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Scoop up used absorbent into drums or other appropriate container. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

6.3 – Environmental Precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Avoid discharge into drains, water courses or onto the ground.

Section 7 – Handling and Storage

7.1 – Precautions for Safe Handling

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not handle or store near an open flame, heat or other sources of ignition. Avoid contact with eyes. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

7.2 – Conditions for Safe Storage, Including any Incompatibilities

Level 2 Aerosol.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. This material can accumulate static charge which may cause spark and become an ignition source. Do not handle or store near an open flame, heat or other sources of ignition. Store in original tightly closed container. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Level 2 Aerosol.

Section 8 – Exposure Controls/Personal Protection

8.1 – Control Parameters

Occupational Exposure Limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Ethyl Alcohol (CAS 64-17-5)	PEL	1900 mg/m3 1000 ppm
Propane (CAS 74-98-6)	PEL	1800 mg/m3 1000 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Butane (CAS 106-97-8)	STEL	1000 ppm
Ethyl Alcohol (CAS 64-17-5)	STEL	1000 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Butane (CAS 106-97-8)	TWA	1900 mg/m3 800 ppm
Ethyl Alcohol (CAS 64-17-5)	TWA	1900 mg/m3 1000 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m3 1000 ppm

Biological Limit Values:

No biological exposure limits noted for the ingredient(s).

8.2 – Exposure Controls

Appropriate Engineering Controls:

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.

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Individual Protection Measures, Such As Personal Protective Equipment

Eye/Face Protection:	Wear safety glasses with side shields (or goggles).
Hand Protection:	Wear appropriate chemical resistant gloves.
Skin Protection	
Other:	Wear suitable protective clothing.
Respiratory Protection:	If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
Thermal Hazards:	Wear appropriate thermal protective clothing, when necessary.
General Hygiene Considerations:	When using do not 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.

Section 9 – Physical and Chemical Properties**9.1 – Information on Basic Physical and Chemical Properties****Appearance:**

Physical State:	Gas.
Form:	Aerosol.
Color:	Not available.
Odor:	Not available.
Odor Threshold:	Not available.
pH:	Not available.
Melting Point/Freezing Point:	Not available.
Initial Boiling Point and Boiling Range	140.71 °F (60.39 °C) estimated.
Flash Point:	-156.0 °F (-104.4 °C) Propellant estimated.
Evaporation Rate:	Not available.
Flammability (solid, gas):	Not available.
Upper/Lower Flammability or Explosive Limits	
Flammability Limit – Lower (%):	2.6 % estimated.
Flammability Limit - Upper (%):	12.8 % estimated.
Explosive Limit - Lower (%):	Not available.
Explosive Limit – Upper (%):	Not available.
Vapor Pressure:	75 - 85 psig @70F 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:	856.4 °F (458 °C) estimated.
Decomposition Temperature:	Not available.
Viscosity:	Not available.

9.2 – Other Information

Specific Gravity:	0.79 estimated.
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Section 10 – Stability and Reactivity**10.1 – 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 temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible Materials:	Strong oxidizing agents. Nitrates. Fluorine. Chlorine.
Hazardous Decomposition Products:	No hazardous decomposition products are known.

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Section 11 – Toxicological Information

11.1 – Information on Likely Routes of Exposure

Ingestion: Expected to be a low ingestion hazard.
Inhalation: No adverse effects due to inhalation are expected.
Skin Contact: No adverse effects due to skin contact are expected.
Eye Contact: Causes serious eye irritation.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics: Headache. Irritation of nose and throat. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing. Skin irritation.

11.2 – Information on Toxicological Effects

Acute Toxicity Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Components	Species	Test Results
Butane (CAS 106-97-8)		
Acute <i>Inhalation</i> LC50	Mouse	1237 mg/l, 120 Minutes 52 %, 120 Minutes
	Rat	1355 mg/l
Ethyl Alcohol (CAS 64-17-5)		
Acute <i>Inhalation</i> LC50	Cat	85.41 mg/l, 4.5 Hours 43.68 mg/l, 6 Hours
	Mouse	> 60000 ppm
	Rat	79.43 mg/l, 134 Minutes > 115.9 mg/l, 4 Hours 51.3 mg/l, 6 Hours
<i>Oral</i> LD50	Monkey	6000 mg/kg
	Mouse	10500 ml/kg
	Rat	1187 - 2769 mg/kg 7800 ml/kg
o-Phenylphenol (CAS 90-43-7)		
Acute <i>Dermal</i> LD50	Rabbit	> 5000 mg/kg, 24 Hours
	Rat	> 2000 mg/kg, 24 Hours
<i>Inhalation</i> LC50	Rat	> 949 mg/m ³ , If <1L: Consumer Commodity Hours > 36 mg/m ³ , 4 Hours
<i>Oral</i> LD50	Rat	> 2500 mg/kg
Propane (CAS 74-98-6)		
Acute <i>Inhalation</i> LC50	Mouse	1237 mg/l, 120 Minutes 52 %, 120 Minutes
	Rat	1355 mg/l 658 mg/l/4h

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

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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:	Not available.
Skin Sensitization:	This product is not expected to cause skin sensitization.
Germ Cell Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall Evaluation of Carcinogenicity	
o-Phenylphenol (CAS 90-43-7)	3 Not classifiable as to carcinogenicity to humans.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
Not listed.	
Reproductive Toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific Target Organ Toxicity – Single Exposure:	Not classified.
Specific Target Organ Toxicity – Repeated Exposure:	Not classified.
Aspiration Hazard:	Not available.
Chronic Effects:	Prolonged or repeated contact may cause drying, cracking, or irritation.

Section 12 – Ecological Information

12.1 – Ecotoxicity

Ecotoxicity: Harmful to aquatic life with long lasting effects.

Components	Species	Test Results
Ethyl Alcohol (CAS 64-17-5)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna)
Fish	LC50	Fathead minnow (Pimephales promelas)
		7700 - 11200 mg/l, 48 hours
		> 100.1 mg/l, 96 hours
o-Phenylphenol (CAS 90-43-7)		
Aquatic		
Algae	IC50	Algae
Crustacea	EC50	Daphnia
		Water flea (Daphnia magna)
Fish	LC50	Fathead minnow (Pimephales promelas)
		0.85 mg/L, 72 Hours
		1.75 mg/L, 48 Hours
		1 - 2.4 mg/l, 48 hours
		3.4 mg/l, 96 hours

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

12.2 – Persistence and Degradability

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

12.3 – Bioaccumulative Potential

No data available.

Partition coefficient n-octanol / water (log Kow)	
Butane	2.89
Ethyl Alcohol	-0.31
o-Phenylphenol	3.09
Propane	2.36

12.4 – Mobility in Soil

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.

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Section 13 – Disposal Considerations**13.1 – Waste Treatment Methods**

Disposal Instructions:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. 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.
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. Do not re-use empty containers.

Section 14 – Transport Information**DOT**

UN Number:	UN1950
UN Proper Shipping Name:	Aerosols, flammable.
Transport Hazard Class(es)	
Class:	2.1
Subsidiary Risk:	-
Label(s):	2.1
Packing Group:	Not applicable.
Special Precautions for User:	Read safety instructions, SDS and emergency procedures before handling.
Special Provisions:	N82
Packaging Exceptions:	306
Packaging Non-Bulk:	None
Packaging Bulk:	None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

IATA

UN Number:	UN1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es)	
Class:	2.1
Subsidiary Risk:	-
Label(s):	2.1
Packing Group:	Not applicable.
Environmental Hazards:	No.
ERG Code:	10L
Special Precautions For User:	Read safety instructions, SDS and emergency procedures before handling.
Other Information	
Passenger and Cargo Aircraft:	Allowed.
Cargo Aircraft Only:	Allowed.
Packaging Exceptions:	LTD QTY

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IMDG

UN Number:	UN1950
UN Proper Shipping Name:	AEROSOLS
Transport Hazard Class(es)	
Class:	2.1
Subsidiary Risk:	-
Label(s):	2.1
Packing Group:	Not applicable.
Environmental Hazards	
Marine Pollutant:	No
EmS:	F-D, S-U
Special Precautions For User:	Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions:	LTD QTY
Transport In Bulk According to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable.

DOT**IATA; IMDG****Section 15 – Regulatory Information****15.1 – US Federal Regulations****US Federal Regulations:**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency Release Notification

Not regulated.

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 - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

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SARA 302 Extremely Hazardous Substance

Chemical Name	CAS Number	Reportable Quantity	Threshold Planning Quantity	Threshold Planning Quantity, Lower Value	Threshold Planning Quantity, Upper Value
Anhydrous Ammonia	7664-41-7	100	500 lbs		

SARA 311/312 Hazardous Chemical: No

SARA 313 (TRI reporting)

Chemical Name	CAS Number	% by Wt.
o-Phenylphenol	90-43-7	0.1 - 1
t-Butyl Alcohol	75-65-0	0.1 - 1

Other Federal Regulations

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

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Safe Drinking Water Act (SDWA): Not regulated.

15.2 – US State Regulations

US. Massachusetts RTK - Substance List

Butane (CAS 106-97-8)

Ethyl Alcohol (CAS 64-17-5)

o-Phenylphenol (CAS 90-43-7)

Propane (CAS 74-98-6)

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

Butane (CAS 106-97-8)

Ethyl Alcohol (CAS 64-17-5)

o-Phenylphenol (CAS 90-43-7)

Propane (CAS 74-98-6)

US. Pennsylvania Worker and Community Right-to-Know Law

Butane (CAS 106-97-8)

Ethyl Alcohol (CAS 64-17-5)

o-Phenylphenol (CAS 90-43-7)

Propane (CAS 74-98-6)

US. Rhode Island RTK

Butane (CAS 106-97-8)

o-Phenylphenol (CAS 90-43-7)

Propane (CAS 74-98-6)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

o-Phenylphenol (CAS 90-43-7) Listed: August 4, 2000

15.3 – International Inventories

Country(s) Or Region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
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)	Yes
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	Yes

*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).



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Section 16 – Other Information

Revision Date:

03-16-2015

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text. We cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.