

D-Germ Spray Disinfectant

SDS Number: A92A

Revision Date: 6/4/2020

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PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Wechem, Inc
5734 Susitna Dr
Harahan, LA 70123

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Product Identifier: D-Germ Spray Disinfectant
SDS Number: A92A
Product Code: A92
Revision Date: 6/4/2020
EPA Number: 3862-188-34370
Product Use: Spray Disinfectant

Emergency Telephone Number:
INFOTRAC
1-800-535-5053

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HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Flammable Aerosols, 2
Physical, Gases Under Pressure, Liquefied Gas
Health, Serious Eye Damage/Eye Irritation, 2 A

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H223 - Flammable aerosol
H280 - Contains gas under pressure; may explode if heated
H319 - Causes serious eye irritation

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P103 - Read label and SDS before use.
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P211 - Do not spray on an open flame or other ignition source.
P251 - Pressurized container: Do not pierce or burn, even after use.
P280f - Wear eye protection.
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P304+312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+313 - IF exposed or concerned: Get medical advice/attention.

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- P314 - Get Medical advice/attention if you feel unwell.
- P337 - If eye irritation persists: Get medical attention.
- P403 - Store in a well ventilated place.
- P405 - Store locked up.
- P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
- P501 - Dispose of contents/container in accordance with all local/regional/national/international regulations.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

- Route of Entry:** Ingestion, eye, inhalation, skin
- Target Organs:** NA
- Inhalation:** May cause nose, throat and respiratory tract irritation, coughing and headache.
- Skin Contact:** May cause skin irritation.
- Eye Contact:** May cause serious eye irritation.
- Ingestion:** May cause headache, dizziness, incoordination, nausea, vomiting, diarrhea and general weakness.

3	COMPOSITION/INFORMATION ON INGREDIENTS
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Chemical Ingredients:		
CAS#	%	Chemical Name:
64-17-5	50-60%	Ethanol
74-98-6	5-10%	Propane
75-28-5	1-5%	Isobutane
90-43-7	<0.1%	Orthophenylphenol

4	FIRST AID MEASURES
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- Inhalation:** Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
- Skin Contact:** Wash with plenty of soap and water. If skin irritation or rash occurs get medical attention. Take off contaminated clothing and wash it before reuse.
- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Ingestion:** May be harmful if swallowed. Seek medical attention immediately.

EMERGENCY OVERVIEW

DANGER. Flammable. Contents under pressure. Keep away from heat and flame. Causes serious eye irritation.

5	FIRE FIGHTING MEASURES
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- Flammability:** Flammable
 - Flash Point:** 70 F (liquid portion)
 - Flash Point Method:** Not available
 - LEL:** Not available
 - UEL:** Not available
- Suitable fire extinguishing media: Use water spray, fog or foam.

Specific hazards arising from the chemical: Flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.

Hazardous thermal decomposition products: Carbon Dioxide, Carbon Monoxide

Specific fire-fighting methods: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use

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water spray to keep fire-exposed containers cool.

Special protective equipment for fire fighters: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

6	ACCIDENTAL RELEASE MEASURES
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Personal precautions:

Put on appropriate personal protective equipment (see section 8)

Environmental precautions and clean-up methods:

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all ignition sources.

Disperse vapors with water spray. Prevent runoff from entering drains, sewers, streams or other bodies of water. Absorb spill

with inert material. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

7	HANDLING AND STORAGE
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Handling Precautions:

Do not use or store near heat, sparks or open flame. Exposure to temperatures above 120 F may cause bursting. Do not puncture or incinerate container.

Storage Requirements:

Store in a cool, dry place. Do not get in eyes, on skin or on clothing. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal. Keep out of reach of children.

8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Engineering Controls:

Good general ventilation required.

Personal Protective Equipment:

Eye Protection: Wear safety glasses or goggles.

Skin Protection: To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene).

Respiratory Protection: When respiratory protection is required use an organic vapor cartridge. A respiratory program that meets OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements must be followed.

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Ethanol cas#:(64-17-5) [50-60%]

Components with workplace control parameters

TWA 1,000 ppm USA. ACGIH Threshold Limit Values (TLV)

Upper Respiratory Tract irritation
Confirmed animal carcinogen with unknown relevance to humans

TWA 1,000 ppm USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air
1,900 mg/m3 Contaminants

The value in mg/m3 is approximate.

TWA 1,000 ppm USA. NIOSH Recommended Exposure Limits
1,900 mg/m3

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Propane cas#:(74-98-6) [5-10%]

Components with workplace control parameters

TWA 1,000 ppm USA. ACGIH Threshold Limit Values (TLV)

Central Nervous System impairment
Cardiac sensitization

TWA 1,000 ppm USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air
1,800 mg/m3 Contaminants

The value in mg/m3 is approximate.

TWA 1,000 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
1,800 mg/m3

TWA 1,000 ppm USA. NIOSH Recommended Exposure Limits
1,800 mg/m3

Isobutane cas#:(75-28-5) [1-5%]

Components with workplace control parameters

TWA 1,000 ppm USA. ACGIH Threshold Limit Values (TLV)
Central Nervous System impairment Cardiac sensitization

TWA 800 ppm USA. NIOSH Recommended Exposure Limits
1,900 mg/m3

Also see specific listing for n-Butane.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Spray/Mist	Odor:	Pleasant
Physical State:	Liquid	Solubility:	Complete in water
Spec Grav./Density:	(H2O=1): 0.9	Flash Point:	70 F (liquid portion)
Viscosity:	Not available	Octanol:	NA
Boiling Point:	Not available	Vapor Density:	(Air=1):1
Vapor Pressure:	Not available	VOC:	59%wt
pH:	7-8		
Evap. Rate:	Not available		

10 STABILITY AND REACTIVITY

Reactivity:	Under normal conditions of storage and use, hazardous reactions will not occur.
Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	High temperatures, open flames, sparks, welding.
Materials to Avoid:	Acids, strong oxidizers.
Hazardous Decomposition:	Carbon monoxide, carbon dioxide. Vapors may ignite at temperatures exceeding flash point.
Hazardous Polymerization:	Will not occur

11 TOXICOLOGICAL INFORMATION

Primary Route of Entry: Skin contact, inhalation
Acute/Potential Health Effects:

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EYES: May cause serious eye irritation. Symptoms include stinging, tearing and redness.

SKIN: May cause skin irritation. Symptoms may include redness and drying of skin.

INHALATION: High vapor/aerosol concentrations are irritating to the eyes and respiratory tract. May cause nose, throat and respiratory tract irritation, coughing and headache.

INGESTION: May cause headache, dizziness, incoordination, nausea, vomiting, diarrhea and general weakness.

Chronic / Long Term Effects: None known.

Target Organ Effects: None known.

Reproductive/Developmental Information: No data.

Carcinogenic Information: WARNING: This product contains a chemical known to the state of California to cause cancer.

Acute Toxicity Values: Not available.

Ethanol cas#:(64-17-5) [50-60%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 7,060 mg/kg Remarks: Lungs, Thorax, or Respiration:Other changes.

LC50 Inhalation - rat - 10 h - 20000 ppm

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: No skin irritation - 24 h (OECD Test Guideline 404)

Serious eye damage/eye irritation: Eyes - rabbit Result: Mild eye irritation - 24 h (OECD Test Guideline 405)

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

Carcinogenicity - mouse - Oral:

Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Liver:Tumors. Blood:Lymphomas including Hodgkins disease.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Reproductive toxicity - Human - female - Oral:

Effects on Newborn: Apgar score (human only). Effects on Newborn: Other neonatal measures or effects. Effects on Newborn: Drug dependence.

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: KQ6300000

Central nervous system depression, narcosis, Damage to the heart., To the best of our knowledge, the chemical, physical,

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and toxicological properties have not been thoroughly investigated.
Stomach - Irregularities - Based on Human Evidence

Propane cas#:(74-98-6) [5-10%]

Information on toxicological effects

Acute toxicity: no data available

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: TX2275000

Dizziness, Drowsiness, Unconsciousness

Isobutane cas#:(75-28-5) [1-5%]

Information on toxicological effects

Acute toxicity:

Oral LD50 no data available

Inhalation LC50

Dermal LD50

Other information on acute toxicity

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Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: narcosis, Dermatitis

Synergistic effects: no data available

Additional Information:

RTECS: TZ4300000

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ECOLOGICAL INFORMATION

Data summary for the components are as follows:

Ecotoxicity:

Ethanol (CAS 64-17-5)

Acute

EC50 17.921 mg/l Marine water Algae - *Ulva pertusa* 96 hours

EC50 2000 microgram/l Fresh water Daphnia - *Daphnia magna* 48 hours

LC50 25500 microgram/l Marine water Crustaceans - *Artemia franciscana* - Larvae 48 hours

LC50 42000 microgram/l Fresh water Fish - *Oncorhynchus mykiss* 4 days

Chronic

NOEC 4.995 mg/l Marine water Algae - *Ulva pertusa* 96 hours

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NOEC 0.375 microliter/L Fresh water Fish - Gambusia holbrooki - Larvae 12 weeks

Ethanol cas#:(64-17-5) [50-60%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

Propane cas#:(74-98-6) [5-10%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

Isobutane cas#:(75-28-5) [1-5%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

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13	DISPOSAL CONSIDERATIONS
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Waste must be disposed of in accordance with federal, state and local environmental control regulations. See label for further instructions.

14	TRANSPORT INFORMATION
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DOT

UN number UN1950
 UN proper shipping name Aerosols
 Transport hazard class(es)
 Class 2.1
 Subsidiary risk -
 Label(s) None

Packing group Not applicable

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

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 on both and may be displayed concurrently.

IATA

UN number UN1950
 UN proper shipping name Aerosols, non- flammable
 Transport hazard class(es)
 Class 2.1
 Subsidiary risk -
 Label(s) None

Packing group Not applicable

Environmental hazards No

ERG Code Not applicable

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo Not available
 Aircraft
 Cargo aircraft only Not available
 Packaging exceptions LTD QTY

IMDG

UN number UN1950
 UN proper shipping name AEROSOLS
 Transport hazard class(es)
 Class 2.1
 Subsidiary risk -
 Label(s) None

Packing group Not applicable

Environmental hazards

 Marine pollutant Not available

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 Not available.
 AnnexII of MARPOL 73/78 and

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the IBC Code

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

15	REGULATORY INFORMATION
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[%] RQ (CAS#) Substance - Reg Codes

 [50-60%] Ethanol (64-17-5) MASS, OSHAWAC, PA, TSCA, TXAIR

[5-10%] Propane (74-98-6) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

[1-5%] Isobutane (75-28-5) MASS, PA, TSCA

[<0.1%] Orthophenylphenol (90-43-7) MASS, NJHS, PA, SARA313, TSCA, PROP65

WARNING

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

Regulatory Code Legend

 MASS = MA Massachusetts Hazardous Substances List
 OSHAWAC = OSHA Workplace Air Contaminants
 PA = PA Right-To-Know List of Hazardous Substances
 TSCA = Toxic Substances Control Act
 TXAIR = TX Air Contaminants with Health Effects Screening Level
 NJHS = NJ Right-to-Know Hazardous Substances
 SARA313 = SARA 313 Title III Toxic Chemicals
 PROP65 = CA Prop 65

16	OTHER INFORMATION
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We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

N/A = Not available N/D = Not determined

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