

## D-Germ Foaming Germicidal Cleaner

SDS Number: A60A

Revision Date: 6/15/2020

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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 Foaming Germicidal Cleaner  
**SDS Number:** A60A  
**Product Code:** A60  
**Revision Date:** 6/15/2020  
**EPA Number:** 3862-181-34370  
**Product Use:** Foaming Germicidal Cleaner

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, 1  
Physical, Gases Under Pressure, Compressed Gas  
Health, Skin corrosion/irritation, 1 A  
Physical, Gases Under Pressure, Liquefied Gas

#### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word:** **DANGER**

**GHS Hazard Pictograms:**



**GHS Hazard Statements:**

H222 - Extremely flammable aerosol  
H280 - Contains gas under pressure; may explode if heated  
H314 - Causes severe skin burns and eye damage  
H280 - Contains gas under pressure; may explode if heated

**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.  
P251 - Pressurized Container: Do not pierce or burn, even after use.  
P260 - Do not breathe dust or mist.  
P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 - IF ON SKIN (or hair): Immediately call a POISON CENTER or physician.

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- P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 - IF IN EYES: Immediately call a POISON CENTER or physician.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P310 - Immediately call a POISON CENTER or doctor/physician.
- P314 - Get Medical advice/attention if you feel unwell.
- P332 + P313 - If skin irritation occurs: Get medical advice/attention.
- P363 - Wash contaminated clothing before reuse.
- P405 - Store locked up.
- P410 + P403 - Protect from sunlight. Store in a well-ventilated place.
- P412 - 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:** Skin absorption, inhalation, eye, ingestion
- Target Organs:** Lungs and upper respiratory tract, gastrointestinal tract, eyes, skin.
- Inhalation:** Irritating to the eyes and respiratory tract
- Skin Contact:** Causes slight irritation. Prolonged contact may cause more severe irritation.
- Eye Contact:** Causes severe irritation
- Ingestion:** May be harmful or fatal if swallowed. Corrosive. Can cause severe burns and complete tissue perforation of mucous membranes, mouth, throat and stomach.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Ingredients:		
CAS#	%	Chemical Name:
75-28-5	10-15%	Isobutane
112-34-5	1-5%	Diethylene glycol monobutyl ether
64-02-8	1-5%	Tetrasodium Ethylene Diamine Tetraacetate
74-98-6	1-5%	Propane

**4 FIRST AID MEASURES**

- Inhalation:** Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or a doctor.
  - Skin Contact:** Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of soap and water/shower. If skin irritation persists get medical attention.
  - Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison center or a physician.
  - Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical attention immediately.
- DANGER. Extremely flammable. May be harmful if swallowed. Causes severe skin burns and eye damage.

**5 FIRE FIGHTING MEASURES**

- Flammability:** Extremely Flammable Aerosol
- Flash Point:** None (Liquid Portion)
- Flash Point Method:** Not available

Suitable fire extinguishing media: Use water spray, fog or foam.

Specific hazards arising from the chemical: Extremely 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.

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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 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.

<b>6</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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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.

<b>7</b>	<b>HANDLING AND STORAGE</b>
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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.

<b>8</b>	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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**Engineering Controls:** Good general ventilation required.

**Personal Protective Equipment:** HMIS PP, B | Goggles, Gloves  
 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.

Isobutane cas#:(75-28-5) [10-15%]  
 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.

Diethylene glycol monobutyl ether cas#:(112-34-5) [1-5%]

Propane cas#:(74-98-6) [1-5%]

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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 Contaminants  
1,800 mg/m3

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

**9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear Spray/Mist	<b>Odor:</b>	Pleasant
<b>Physical State:</b>	Liquid	<b>Solubility:</b>	Complete
<b>Spec Grav./Density:</b>	1.0	<b>Flash Point:</b>	None (Liquid Portion)
<b>Vapor Pressure:</b>	Not available	<b>Vapor Density:</b>	(Air=1): >1
<b>pH:</b>	12-13	<b>VOC:</b>	13% wt
<b>Evap. Rate:</b>	0.09 (butyl acetate = 1)		

**10 STABILITY AND REACTIVITY**

<b>Reactivity:</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Conditions to Avoid:</b>	High temperatures, open flames, sparks, welding.
<b>Materials to Avoid:</b>	Acids and strong oxidizers.
<b>Hazardous Decomposition:</b>	Carbon monoxide, Carbon dioxide.
<b>Hazardous Polymerization:</b>	Will not occur

**11 TOXICOLOGICAL INFORMATION**

**Primary Route of Entry:** Skin contact, eye contact, inhalation

**Acute/Potential Health Effects:**

**EYES:** Causes severe irritation experienced as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva.

**SKIN:** Brief contact may cause slight irritation. Prolonged contact may cause more severe irritation with pain, local redness and swelling and possible tissue destruction.

**INHALATION:** High vapor/aerosol concentrations (>1000 ppm) are irritating to the eyes and respiratory tract.

**INGESTION:** May be harmful or fatal if swallowed. Corrosive. Can cause severe burns and complete tissue perforation of mucous membranes, mouth, throat and stomach.

**Target Organ Effects:** Lungs and upper respiratory tract, gastrointestinal tract, eyes, skin.

**Chronic / Long Term Effects:** None known.

**Reproductive/Developmental Information:** No data.

**Carcinogenic Information:** This material is not listed as a carcinogen by IARC, NTP or OSHA.

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Data summary for the components are as follows:

Isobutane cas#:(75-28-5) [10-15%]

Information on toxicological effects

Acute toxicity:

Oral LD50 no data available

Inhalation LC50

Dermal LD50

Other information on acute toxicity

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

Diethylene glycol monobutyl ether cas#:(112-34-5) [1-5%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - male - 7,291 mg/kg (OECD Test Guideline 401)

Inhalation: no data available

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LD50 Dermal - rabbit - male - 2,764 mg/kg (OECD Test Guideline 402)

Skin corrosion/irritation: Skin - rabbit Result: Mild skin irritation - 1 h (OECD Test Guideline 404)

Serious eye damage/eye irritation: Eyes - rabbit Result: Irritating to eyes. (OECD Test Guideline 405)

Respiratory or skin sensitisation: Maximisation Test - guinea pig Result: Does not cause skin sensitisation. (OECD Test Guideline 406)

Germ cell mutagenicity: Ames test *S. typhimurium* Result: negative

OECD Test Guideline 477 *Drosophila melanogaster* - male and female

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

Reproductive toxicity - rat - male and female - Dermal:

No adverse effect has been observed in chronic toxicity tests.

no data available

Developmental Toxicity - rabbit - Dermal:

No adverse effect has been observed in chronic toxicity tests.

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:

Repeated dose toxicity - rat - male and female - Oral - No observed adverse effect level - 250 mg/kg RTECS: KJ9100000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach - Irregularities - Based on Human Evidence

Propane cas#:(74-98-6) [1-5%]

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

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**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

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## ECOLOGICAL INFORMATION

Data summary for the components are as follows:

Tetrasodium ethylene diaminetetraacetate (CAS 64-02-8)

Acute

LC50 486000 microgram/l 96 hours Fresh water Fish - Lepomis macrochirus

Bioaccumulative Potential: BCF = 1.8 Low Potential.

No other known significant effects or critical hazards.

Isobutane cas#:(75-28-5) [10-15%]

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

Diethylene glycol monobutyl ether cas#:(112-34-5) [1-5%]

Information on ecological effects

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**Toxicity:**

Toxicity to fish static test LC50 - Lepomis macrochirus - 1,300 mg/l - 96 h.

(OECD Test Guideline 203)

Toxicity to daphnia and static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h.

other aquatic (Directive 67/548/EEC, Annex V, C.2.) invertebrates

Toxicity to algae static test EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - >:

100 mg/l - 96 h (OECD Test Guideline 201)

Toxicity to bacteria LC50 - Pseudomonas putida - 1,170 mg/l - 16 h.

Persistence and degradability: Biodegradability aerobic - Exposure time 28 d Result: 91.7 % - Readily biodegradable. (OECD Test Guideline 301B)

Bioaccumulative potential: Does not bioaccumulate.

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) [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

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

13	<b>DISPOSAL CONSIDERATIONS</b>
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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	<b>TRANSPORT INFORMATION</b>
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**DOT**

UN number	UN1950
UN proper shipping name	Aerosols,flammable
Transport hazard class(es)	
Class	2.1



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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, 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  
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.

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**REGULATORY INFORMATION**

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

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[10-15%] Isobutane (75-28-5) MASS, PA, TSCA

[1-5%] Diethylene glycol monobutyl ether (112-34-5) HAP, SARA313, TSCA

[1-5%] Tetrasodium Ethylene Diamine Tetraacetate (64-02-8) TSCA

[1-5%] Propane (74-98-6) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

**Regulatory Code Legend**-----  
MASS = MA Massachusetts Hazardous Substances List

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

HAP = Hazardous Air Pollutants

SARA313 = SARA 313 Title III Toxic Chemicals

NJHS = NJ Right-to-Know Hazardous Substances

OSHAWAC = OSHA workplace Air Contaminants

TXAIR = TX Air Contaminants with Health Effects Screening Level

**FIFRA information**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain 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 chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

Signal word: WARNING. Hazard statement: Causes eye and skin irritation. Harmful if swallowed.

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**OTHER INFORMATION**

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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