





SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	3369	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	GERM STOPPER	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Hard Surface Disinfectant Wipes	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Flammable Liquid: Category 3 Eye irritant: Category 2A	SIGNAL WORD: WARNING	SYMBOL:		
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HAZARD STATEMENTS:

Flammable liquid and vapor.
Causes serious eye damage.

PRECAUTIONARY STATEMENTS:

Prevention:

If medical advice is needed, have product container or label at hand.
Read label before use.
Keep container tightly closed.
Use explosion-proof electrical/ventilating/light/equipment.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Ground/bond container and receiving equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IN CASE OF FIRE: Use agents recommended in section 5 for extinction.

Storage:

Store in a well-ventilated place. Keep container tightly closed.

Disposal:

Dispose of contents and container as instructed in Section 13.

NON-GHS CLASSIFICATION:

WHMIS:



3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT
Isopropanol	67-63-0	41.58
Glycol Ether	Trade Secret	1-5
Aliphatic Polymer	Trade Secret	1-5
Alkyl (C12,C14,C16) Dimethyl Benzyl Ammonium Chloride	68391-01-5	0.12
Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride	85409-23-0	0.12

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Protect unexposed eye. Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.

SKIN: Wash affected area with soap and water. Rinse/flush exposed skin gently using water for 15-20 minutes. Seek medical attention if irritation persists or if concerned.

INHALATION:

Move exposed individual to fresh air. Loosen clothing as necessary and position individual in a comfortable position. Seek medical advice if discomfort or irritation persists.

INGESTION:

Dilute mouth with water or milk after rinsing. Immediately get medical assistance. Induce vomiting if directed to do so by medical personnel.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Shortness of breath. Irritation. Nausea. Headache.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

If seeking medical attention, provide SDS document to physician. Physician should treat symptomatically.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Use water, dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam. Water spray can be used to dilute spills to nonflammable mixtures.

SPECIFIC FIRE-FIGHTING METHODS:

Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing. Do not inhale gases, fumes, dust, mist, vapor, and aerosols.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear protective eyewear, gloves, and clothing. Refer to Section 8.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Keep away from ignition sources. Protect from heat. Ensure that dust-handling systems (exhaust ducts, dust collectors, vessels, and processing equipment) are designed to prevent the escape of dust into the work area.

ENVIRONMENTAL PRECAUTIONS:

Prevent from reaching drains, sewer, or waterway. Should not be released into environment.

METHODS AND MATERIALS FOR CONTAINMENT & CLEANING UP:

Use spark-proof tools and explosion-proof equipment. Have fire-extinguishing agent available in case of fire. Always obey local regulations. Collect liquids using vacuum or by use of absorbents. Place into properly labeled containers for recovery or disposal. Remove all sources of ignition. Contain spill, then collect. Do not flush to sewer. Absorb with a noncombustible absorbent material such as sand or earth and containerize for disposal. Refer to Section 13. Ventilate area of spill.

7. Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:

Do not eat, drink, smoke, or use personal products when handling chemical substances. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Empty containers retain product residue and can be dangerous.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in a cool location. Store securely in flammable storage area away from sources of ignition. Provide ventilation for containers. Avoid storage near extreme heat, ignition sources or open flame. Keep container tightly sealed. Protect from freezing and physical damage. Store away from incompatible materials.

8. Exposure Controls / Personal Protection

CONTROL PARAMETERS: 67-63-0, Isopropanol, ACGIH: 400 ppm STEL; 200 ppm TWA
67-63-0, Isopropanol, NIOSH: 500 ppm STEL; 1225 mg/m³ STEL
67-63-0, Isopropanol, NIOSH: 400 ppm TWA; 980 mg/m³ TWA

PERSONAL PROTECTIVE EQUIPMENT:



EYE/FACE PROTECTION: Safety glasses with side shields or goggles.

SKIN PROTECTION: Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation.

RESPIRATOR PROTECTION: Not required under normal conditions of use. Use suitable respiratory protective device when high concentrations are present.

GENERAL HYGIENIC MEASURES: Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Perform routine housekeeping. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

ENGINEERING CONTROLS:

Emergency eyewash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

9. Physical & Chemical Properties

APPEARANCE:	Clear, colorless liquid.	EXPLOSIVE LIMIT -lower:	2%
ODOR:	Alcohol.	EXPLOSIVE LIMIT -upper:	12.7%
ODOR THRESHOLD:	Not available.	DENSITY:	Not available.
pH:	Not available.	VAPOR DENSITY:	Not available.
MELTING/FREEZING POINT:	Below -88°C	VAPOR PRESSURE:	Approx 33 at 20°C.
BOILING POINT/RANGE:	Approx 82°C	RELATIVE DENSITY:	0.88 g/ml at 25°C
VISCOSITY (kinematic/dynamic):	Not available.	SOLUBILITY:	Infinite solubility.
FLASH POINT:	82°F/27°C	AUTO/SELF-IGNITION TEMP:	425.0°C
EVAPORATION RATE:	3.0	DECOMPOSITION TEMP:	Not available.
FLAMMABILITY(solid/gas):	Flammable.	PARTITION COEFFICIENT (n-octanol/water):	Log Pow: 0.05

10. Stability & Reactivity Information

REACTIVITY:

None under normal processing. Test small inconspicuous area.

CHEMICAL STABILITY:

No decomposition if used and stored according to specifications. Stable under normal conditions.

POSSIBLE HAZARDOUS REACTIONS:

Flammable. Used empty containers may contain product gases which form explosive mixtures with air. Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.

INCOMPATIBLE MATERIALS:

Strong oxidizers, heat, sparks, open flames. Will attack some forms of rubber, plastics and coatings. May react with metallic aluminum and

generate hydrogen gas.

CONDITIONS TO AVOID:

Incompatible materials.

HAZARDOUS DECOMPOSITION PRODUCTS:

Toxic oxides of carbon, acrid and irritating fumes.

11. Toxicological Information

ACUTE TOXICITY:

Oral: 67-63-0 LD50 Rat - 5,045 mg/kg

Inhalation 67-63-0 LC50- Rat - 8 h - 16000 ppm

Dermal: 67-63-0 LD50 - Rabbit - 12,800 mg/kg

CHRONIC/LONG TERM EFFECTS:

No additional information.

CORROSION IRRITATION:

No additional information.

SENSITIZATION:

No additional information.

SINGLE TARGET ORGAN (STOT):

No additional information.

NUMERICAL MEASURES:

No additional information.

CARCINOGENIC INFORMATION:

No additional information.

REPRODUCTIVE TOXICITY:

No additional information.

12. Ecological Information

ECOTOXICITY:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 9,640.00 mg/l - 96 h: 67-63-0

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 5,102.00 mg/l - 24 h: 67-63-0

Toxicity to algae EC50 - Desmodesmus subspicatus (green algae) - > 2,000.00 mg/l - 72 h EC50 -Algae - > 1,000.00 mg/l - 24 h: 67-63-0

PERSISTENCE & DEGRADABILITY:

BIOACCUMULATIVE POTENTIAL:

Mobility in soil: Aqueous solution has high mobility in soil.

OTHER ADVERSE EFFECTS:

Isopropanol has acute toxicity with effects of death in animals and low growth rates and death in plants. Chronic toxic effects, may be shortened life span, lower fertility, reproductive problems, and changes in appearance and/or behavior in animals.

13. Disposal Consideration

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Remove all sources of ignition. Do not flush to sewer. Have fire-extinguishing agent available in case of fire. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations. Ensure complete and accurate classification.

14. Transportation Information

UN NUMBER:

Limited quantity.

UN PROPER SHIPPING NAME:

Ltd. Qty, Ground Transportation

TRANSPORT HAZARD CLASS(es):

Packing group: None.

15. Regulatory Information

UNITED STATES (USA)

SARA Section 311/312 (Specific toxic chemical listings):

Acute, Chronic, Fire

SARA Section 313 (Specific toxic chemical listings):

67-63-0 Isopropanol

RCRA (hazardous waste code):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

None of the ingredients is listed.

Proposition 65 (California):

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

CANADA

Canadian Domestic Substances List (DSL): All ingredients are listed.

Canadian NPRI Ingredient Disclosure list (limit 0.1%): None of the ingredients is listed.

Canadian NPRI Ingredient Disclosure list (limit 1%): 67-63-0 Isopropanol

16. Other 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.

KEEP OUT OF REACH OF CHILDREN.

WARNING - PRECAUTIONARY STATEMENTS: Hazard to Humans and Domestic Animals.

WARNING: Causes substantial but temporary eye injury.

GHS Full Text Phrases:

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

PNEC: Predicted No-Effect Concentration (REACH)

CFR: Code of Federal Regulations (USA)

SARA: Superfund Amendments and Reauthorization Act (USA)

RCRA: Resource Conservation and Recovery Act (USA)

TSCA: Toxic Substances Control Act (USA)

NPRI: National Pollutant Release Inventory (Canada)

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

DNEL: Derived No-Effect Level (REACH)

DISCLAIMER:

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