 Date Printed: 9/26/00

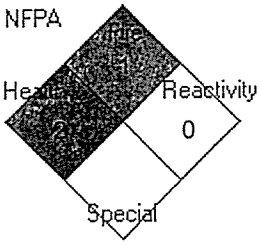
MSDS - Material Safety Data Sheet

Product Name: Spra-Kwik Germicial Cleaner

MSDS No.: 52

I. Basic Information:

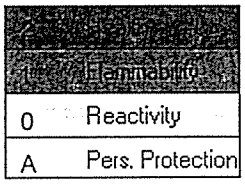
Manufacturer: Claire Mfg
Address: 500 Vista Ave
City, ST Zip: Addison, IL 60101



Last Update: 7/ 1/97

Chemical State: [X] Liquid [ ] Gas [ ] Solid

Chemical Type: [ ] Pure [X] Mixture



II. Ingredients:

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
111762	2-Butoxyethanol						X	25 ppm	25 ppm	N/A
7128918	Diethy Amine Oxide									
85	Liquified petroleum gas (LPG)							1000 pp	1000 ppm	
5197808	Quarternary Ammonium Chloride									
64028	Tetrasodium ethylene diaminetetraacetate									

III. Hazardous Identification:

Hazard Category:
[X] Acute [ ] Chronic [ ] Fire [ ] Pressure [ ] Reactive

Hazardous Identification Information:
Components listed as Carcinogen: NONE

IV. First Aid Measures:

Route(s) of Entry:
Inhalation, Eyes, Skin, and Ingestion

Health Hazards (Acute and Chronic):
Acute

Signs and Symptoms:
Inhalation is the primary route of exposure and may cause dizziness, drowsiness, and throat irriation.
Prolonged or repeated skin contact can cause irritation and defatting of skin.

Medical Conditions Generally Aggravated by Exposure:
Pre-existing skin or eye disorders may be aggravated by exposure to this product.

.gency and First Aid Procedures:

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Eye Contact: Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention if irritation persists.
Skin Contact: Remove contaminated clothing. Flush skin with water, follow by washing with soap and water. If irriation occurs, get medical attention. Do not reuse clothing until cleaned.
Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artifical respiration if not breathing. Get medical attention.
Ingestion: Get medical attention. This product contains 2- Butoxyethanol, which if ingested in significant quantites may result in red blood cell hemolysis.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: **Lower Explosive Limit:** 1.8 **Upper Explosive Limit:** 9.2

Fire Extinguishing Media: Carbon Dioxide, foam and / or dry chemical may be used.

Special Fire Fighting Procedures:
Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing, or venting containers.

Unusual Fire and Explosion:
At elevated temperatures (over 54C-130F) containers exposed to dirct flame or heat contact should be cooled with water to prevent weakening of container structure.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:
Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container Consult local regulatory agency for proper disposition of material.

VII. Handling and Storage:

Precautions to be Taken:
Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation.
Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 130F (54C). Store as Level 1 Aerosol (NFPA 30B)

Other Precautions:
Please Read and Follow the Directions of the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

VIII. Exposure Controls/Personal Protection:

Ventilitation Requirements:
Local Exhaust is adequate under normal conditions, mechanical ventilation is optional.

Personal Protective Equipment:
Eye Protection: Safety Glasses are recommended.
Other Protective Clothing or Equipment: Wear Impervious clothing to prevent skin contact.
Work and Hygenic Practices: Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.

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IX. Physical and Chemical Properties:

Boiling Point: N/A **Melting Point:** N/A **Evaporation Rate:** <1

Vapor Pressure (mm Hg.): 115@130f **Vapor Density (AIR = 1):** >1

Solubility In Water: >10%

Apprearance and Odor: Foaming spray/ floral ammonia odor

Other Information: Aerosol Flammability: This product has been tested in accordance with the method as described in 40 CFR 156.10 and found to be not flammable. (Under certain conditions this product may burn.)

X. Stability and Reactivity:

Stability:
Stable

Incompatibility (Materials to Avoid):
Strong Oxidizers, heat and open flame.

Decomposition/By Products:
Carbon monoxide, carbon dioxide and additional toxic chemicals may be formed in small amounts. Y09 Conditions to Avoid: Do not store above 54C-130F. Keep away from heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.

Hazardous Polymerization:
None Known

XI. Toxicological Information:

None Avaliable

XII. Ecological Information:

None Avaliable

XIII. Disposal Considerations:

Do not puncture or incinerate containers. When contents are depleted continue to depress button untill all gas is expelled. Dispose of container in accordance with local, state, and federal regulations.

XIV. Transport Information:

Hazard Class: ORM-D

XV. Regulatory Information:

Govermental Listings: Ingredients of theis product are listed on the EPA/ TSCA Inventory of Chemical Substances.

XVI. Other Information:

While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.
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