

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements

U.S. Department of Labor

Occupation Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY

DUO KLEEN MINT (200020)

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufactured For: Beaver Research Company		Emergency Telephone Number 1-800-255-3924 (Chem-Tel)
Address (Number, Street, City, State, and ZIP Code) 3700 E. Kilgore Road, Portage, MI 49002		Telephone Number For Information 269-382-0133
HMIS RATINGS:	Health: 1 Flammability: 1 Reactivity: 0 Personal Protection: B	Date Prepared 08/13/2001 Signature of Preparer (optional)
0-Minimal 1-Slight 2-Moderate	3-Serious 4-Extreme	

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS No.	TLV (Units)	% (optional)
2-Propanol	67-63-0	400ppm	<15
Quaternary Ammonium Chloride	Proprietary	N/E	<5.0

Carcinogens: None suspected.

TSCA: All components listed.

Section III - Physical/Chemical Characteristics

Boiling Point	149°F	Specific Gravity (H ₂ O = 1)	0.994
Vapor Pressure (mmHg)	N/E	Freezing/Melting Point	30
Vapor Density (AIR = 1)	N/E	Evaporation Rate (n-Butyl Acetate = 1)	N/E
Solubility in Water Complete	pH % Volatile by Volume	6.0-7.0	N/E

Appearance and Odor

Green water-like liquid with wintergreen odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) 142°F	Flammable Limits	LEL N/E	UEL N/E
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Extinguishing Media

Use appropriate extinguishing media for the surrounding fire.

Special Fire Fighting Procedures

Self-contained breathing apparatus and full protective clothing should be worn when fighting fires involving chemicals.

Unusual Fire and Explosion Hazards

N/E

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid	N/A
	Stable	X		

Incompatibility (Materials to Avoid)

Strong acid and oxidizing agents.

Hazardous Decomposition or Byproducts

CO₂.

Hazardous Polymerization	May Occur		Conditions to Avoid	Excessive heat, open flame.
	Will Not Occur	X		

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	No	No	Yes

Health Hazards (Acute and Chronic)

Eyes: Irritation, Corrosive**Skin:** Irritation, Corrosive**Inhalation:** Discomfort, nausea, vomiting.**Ingestion:** N/E

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

Signs and Symptoms of Exposure

See above "Health Hazards".

Medical Conditions Generally Aggravated by Exposure

N/A

Emergency and First Aid Procedure

Eyes: Immediately flush with large amount of water for at least 15 minutes while keeping eyelids opened. Get medical attention if irritation persists.**Skin:** Wash with plenty of soap and water. Wash contaminated clothing before re-use. Get medical attention if irritation persists.**Inhalation:** Give milk or water to dilute. Induce vomiting. Get immediate medical attention. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON!!!**Ingestion:** Remove victim to fresh air. If person is having difficulty in breathing, perform artificial respiration and get immediate medical attention.**Section VII - Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled

Remove all ignition sources. Evacuate all unnecessary personnel. Wear appropriate personal protective equipment when cleaning up spilled material. Dike area to prevent spreading of spilled material.

Waste Disposal Method

Cover with an inert absorbent, shovel into appropriate containers and dispose of in accordance with federal, state and local laws.

Precautions to be Taken in Handling and Storage

Use common sense and sound industrial hygiene practices when handling this material as well as any other materials.

Keep containers closed when not in use. Wash hands after handling.

Other Precautions

N/A

Section VIII - Control Measures

Respiratory Protection (Specify Type)

None normally needed.

Ventilation	Local Exhaust	Yes	Special	N/A
	Mechanical(General)	N/A	Other	N/A

Protective Gloves

Impervious, rubber.

Eye Protection

Safety glasses or goggles.

Other Protective Clothing or Equipment

Eyewash and shower for emergency use should be located in the working area.

Work/Hygienic Practices

N/A