

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

BEA-FECT CITRUS DISINFECTANT (120017)

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

Address (Number, Street, City, State, and ZIP Code)

3700 E. Kilgore Road, Portage, MI 49002

Emergency Telephone Number

1-800-255-3924 (Chem-Tel)

Telephone Number For Information

269-382-0133

HMIS RATINGS:

Health: 1
Flammability: 3
Reactivity: 1
Personal Protection: A

Date Prepared

03/08/2002

Signature of Preparer (optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))

Ethyl Alcohol

Propane/N-Butane

CAS No.

64-17-5

68476-86-8

OSHA PEL

1000ppm

1000ppm

ACGIH TLV

1000ppm

600ppm

Other LIM

N/A

N/A

%
(optional)

Section III – Physical/Chemical Characteristics

Boiling Point

165

Specific Gravity (H₂O = 1)

0.88

Vapor Pressure (mm Hg)

44

Melting Point

N/A

Vapor Density (AIR = 1)

1

Evaporation Rate (Butyl Acetate = 1)

>1

Solubility in Water
100%

pH
N/A

Total VOC

Appearance and Odor

Clear light yellow spray. Orange/citrus odor.

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)

68°F TOC

Flammable Limits

N/A

LEL

N/A

UEL

N/A

Extinguishing Media

Standard chemical fire extinguisher.

Special Fire Fighting Procedures

Self-contained breathing apparatus.

Unusual Fire and Explosion Hazards

Contents under pressure. Exposure to temperatures above 120°F may cause bursting. Contains flammable propellant.

Section V – Reactivity Data

Stability

Unstable

Stable

X

Conditions to Avoid

Temperatures above 120°F.

Incompatibility (Materials to Avoid)

Strong oxidizers.

Hazardous Decomposition or Byproducts

None known.

Hazardous Polymerization

May Occur

Will Not Occur

X

Conditions to Avoid

Temperatures above 120°F.

Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
--------------------	--------------------	--------------	-------------------

Health Hazards (Acute and Chronic)

Inhalation: May be irritating to mouth, nose and throat leading to sleep and stupor. **Skin Contact:** Causes drying and irritation. **Eyes:** Severe irritation. **Ingestion:** Harmful or fatal depending on amount consumed.

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

Signs and Symptoms of Exposure

See above "Health Hazards".

Medical Conditions Generally Aggravated by Exposure

None known.

Emergency and First Aid Procedure

Inhalation: Remove to fresh air. **Skin or Eyes:** Flush with water for 15 minutes. See physician if irritation persists.

Ingestion: Induce vomiting, give copious amount of water and call physician.

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Mop or wipe up spill. Dispose of in accordance with federal, state and local guidelines.

Waste Disposal Method

Wrap container and place in trash collection. Do not puncture or incinerate container.

Precautions to be Taken in Handling and Storage

Store in a cool, dry area. Keep away from Heat, flame or sparks.

Other Precautions

N/A

Section VIII – Control Measures

Respiratory Protection (Specify Type)

N/A

Ventilation	Local Exhaust	Adequate	Special	N/A
	Mechanical (General)	only if TLV is exceeded	Other	N/A

Protective Gloves

Only if repeated contact w/skin occurs.

Eye Protection

Safety glasses recommended whenever chemicals used.

Other Protective Clothing or Equipment

N/A

Work/Hygienic Practices

Wash hands after use.