

# 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

**SUPER REPELL (120190)**

*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**

NFPA/HMIS RATINGS:

0-Minimal 3-Serious

1-Slight 4-Extreme

2-Moderate

Health: 2/2

Flammability: 3/3

Reactivity: 0/0

Special/Personal Protection: 0/A

Date Prepared

**12/03/97**

Signature of Preparer (optional)

## Section II - Hazardous Ingredients/Identity Information

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

CAS No.

OSHA  
PEL(ppm)

ACGIH  
TLV(ppm)

Carcinogen  
Ref. Source\*\*

SARA  
III List

Isobutane/Propane Blend

75-28-5

800

800

d

No

74-98-6

1000

1000

d

No

Isopropanol

67-63-0

500

500

d

No

Insecticide Concentrate Including:

Deet

134-62-3

N/E

N/E

d

No

Di-N-Propyl Isocinochomerionate

136-45-8

N/E

N/E

d

No

N-Octyl Bicycloheptene Dicarboximide

113-48-4

N/E

N/E

d

No

## Section III - Physical/Chemical Characteristics

Boiling Point

N/A

Specific Gravity (H<sub>2</sub>O = 1)  
Concentrate Only

.860

Vapor Pressure (Non-Aerosols) (mmHg and Temperature)

N/A

Vapor Pressure: PSIG @ 70°F (Aerosols)

Max. 60

Vapor Density (AIR = 1)

N/E

Evaporation Rate  
( = 1)

N/E

Solubility in Water

Partial

pH

N/A

Water Reactive

No

Total VOC

N/A

Appearance and Odor

Clear spray with ethereal odor.

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)

N/A

Flammable Limits

Flammable

LEL

N/E

UEL

N/E

Extinguishing Media

Foam, dry chemical, carbon dioxide, water spray or fog.

Special Fire Fighting Procedures

Self-containing breathing apparatus.

Unusual Fire and Explosion Hazards

Do not expose aerosols to temperatures above 130°F or the container may rupture.

## Section V - Reactivity Data

Stability

Unstable

Stable

X

Conditions to Avoid

Open flame, welding arcs, heat, sparks.

Incompatibility (Materials to Avoid)

Strong oxidants, anhydride & isocyanate, plastics, acetate & rayon.

Hazardous Decomposition or Byproducts

Carbon monoxide, carbon dioxide.

Hazardous

May Occur

Conditions to Avoid

N/A

Polymerization

Will Not Occur

X

**Section VI - Health Hazard Data**

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

Health Hazards (Acute and Chronic)

Acute:

**Eyes:** Mild irritation. (Avoid eye contact.)**Skin:** May aggravate existing skin conditions.**Inhalation:** Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.**Ingestion:** Possible chemical pneumonitis if aspirated into lungs. Nausea.**Chronic:** (Effects due to excessive exposure to the raw materials of this mixture.) May cause kidney or liver damage (lab animal data).

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

Signs and Symptoms of Exposure

See above "Health Hazards".

Medical Conditions Generally Aggravated by Exposure

May aggravate existing eye, skin, or upper respiratory conditions.

Emergency and First Aid Procedure

**Eyes:** Flush with water for 15 minutes. If irritated, seek medical attention.**Skin:** Wash with soap and water. If irritated, seek medical attention.**Inhalation:** Remove to fresh air. Resuscitate if necessary. Get medical attention.**Ingestion: DO NOT INDUCE VOMITING.** Drink two large glasses of water. Get immediate medical attention.**Section VII - Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled

Absorb with suitable medium. Incinerate or landfill according to local, state or federal regulations. DO NOT FLUSH TO SEWER.

Waste Disposal Method

Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.

Precautions to be Taken in Handling and Storage

Do not puncture or incinerate containers. Do not store at temperatures above 130°F.

Other Precautions

KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors. Remove ignition sources. Avoid contact with plastic such as eyeglass frames and such fabrics as acetate and rayon.

**Section VIII - Control Measures**

Respiratory Protection (Specify Type)

None, if vapor concentration kept below TLV.

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

Protective Gloves

None.

Eye Protection

Safety glasses recommended. Do not spray into eyes.

Other Protective Clothing or Equipment

None.

Work/Hygienic Practices

Wash with soap and water before handling food. Remove contaminated clothing.

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only