

# 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

**210165 BPK 200**

*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

**D.O.T FLAMMABLE LIQUIDS, N.O. S.**

**(contains Hexane, Isopropanol) Hazard class: 3, UN-1993 (PG II)**

Manufacturer's Name

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:

0=Minimal 3=Serious

1=Slight 4=Severe

2=Moderate

Health: 2

Flammability: 3

Reactivity: 0

Special Protection:

Date Prepared

07/23/03

Signature of Preparer (optional)

### Section II - Hazardous Ingredients/Identity Information

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

CAS No.

OSHA PEL

ACGIH  
TLV

Other Limits  
Recommended

%  
(optional)

Hexane

64742-49-0

--

50ppm

--

90-99%

Isopropanol

67-63-0

--

400ppm

--

1-10%

### Section III - Physical/Chemical Characteristics

Boiling Point

149°-180°F

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

0.6813

Vapor Pressure (mm Hg)

318 @ R.T.

% Volatile by Volume :

100%

Vapor Density (AIR = 1)

<1

Evaporation Rate  
(Butyl Acetate = 1)

13.1

Solubility in Water

Nil

pH

N/A

Appearance and Odor

Clear, colorless, liquid; aromatic odor.

### Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)

-15°F (TCC)

Flammable Limits

Volume % in Air

LEL

0.7

UEL

7.7

Extinguishing Media

Use water spray, carbon dioxide, dry chemical, or alcohol-type foam applied by manufacturer's recommended techniques.

Special Fire Fighting Procedures

Use self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards

Vapors form from this product and may travel or be moved by air currents and ignited by pilot lights or other ignition sources.

### Section V - Reactivity Data

Stability

Unstable

Stable

X

Conditions to  
Avoid

Heat, sparks, open flame.

Incompatibility (Materials to Avoid)

Strong oxidizers.

Hazardous Decomposition or Byproducts

CO & CO<sub>2</sub>

Hazardous

May Occur

Conditions to  
Avoid

None

Polymerization

Will Not Occur

X

---

## Section VI - Health Hazard Data

---

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

---

Health Hazards (Acute and Chronic)

**Eyes:** Liquid causes severe irritation. High vapor concentrations may also cause irritation. **Skin:** Low order of toxicity. Frequent or prolonged contact causes irritation and/or dermatitis. **Inhalation:** High vapor/aerosol concentrations (greater than approximately 1000ppm) are irritating to the eyes and the respiratory tract. This may cause headaches, dizziness, drowsiness, unconsciousness, anesthesia, and other central nervous system effects, including death. **Ingestion:** Moderate toxicity. Small amounts of this product aspirated into the respiratory system during ingestion may cause vomiting and mild to severe pulmonary injury, possibly leading to death.

---

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

---

Signs and Symptoms of Exposure

See above.

---

Medical Conditions Generally Aggravated by Exposure

N/A

---

Emergency and First Aid Procedure

**Eyes:** Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention. **Skin:** Immediately flush with large amounts of water; use soap if available. Remove contaminated clothing, including shoes, after flushing has begun. **Inhalation:** Using proper respiratory protection, immediately remove the affected victim to fresh air. Administer artificial respiration if breathing has stopped. Keep at rest. Call for prompt medical attention. **Ingestion:** If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention. Small amounts which accidentally enter the mouth should be rinsed until taste is gone.

---

## Section VII - Precautions for Safe Handling and Use

---

Steps to be Taken in Case Material is Released or Spilled

Contain spill; provide adequate ventilation; keep people away; EXTINGUISH ALL IGNITION SOURCES; keep material out of public waters; use dry absorbent on small spills.

---

Waste Disposal Method

Dispose of according to all federal, state, and local regulations.

---

Precautions to be Taken in Handling and Storage

Store in dry, cool area; keep containers closed; use adequate ventilation; wash thoroughly after handling; use protective clothing; no ignition sources present.

---

Other Precautions

FLAMMABLE LIQUID - Clean equipment thoroughly prior to maintenance and/or repair.

---

## Section VIII - Control Measures

---

Respiratory Protection (Specify Type)

NIOSH approved organic vapor cartridge.

---

|             |                     |            |         |     |
|-------------|---------------------|------------|---------|-----|
| Ventilation | Local Exhaust       | preferred  | Special | n/a |
|             | Mechanical(General) | acceptable | Other   | n/a |

---

Protective Gloves

Rubber or neoprene.

Eye Protection

Safety glasses or goggles.

---

Other Protective Clothing or Equipment

Rubber apron and boots; eye bath, safety shower.

---

Work/Hygienic Practices

N/A

---

*All information contained in this data sheet is believed to be true and accurate at this time. However, there is not guarantee expressed or implied. The physical data has been calculated from available information.*