

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	<i>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.</i>		
210165 BPK 200			

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 ₂ 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)	Flammable Limits	LEL	UEL
-15°F (TCC)	Volume % in Air	0.7	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		Conditions to Avoid	Heat, sparks, open flame.
	Stable	X		

Incompatibility (Materials to Avoid)

Strong oxidizers.

Hazardous Decomposition or Byproducts

CO & CO₂

Hazardous	May Occur		Conditions to Avoid	None
	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.