

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

BVK-94 TOTAL WEED KILLER (280300)

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

1-800-544-0133

NFPA/HMIS RATINGS:

0=Minimal 3=Serious

1=Slight 4=Severe

2=Moderate

Health: 2/2

Flammability: 2/2

Reactivity: 0/0

Personal Protection: B/B

Date Prepared

02/07/03

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
Petroleum Distillate	68476-30-2	500	500	d	No
2-Butoxyethanol (glycol ether)	111-76-2	25 (skin)	25 (skin)	d	Yes
2,4-D Isooctyl Ester	1928-43-4	10mg/m3	10mg/m3	e	Yes
5-Bromo-3-Sec-Butyl Methyluracil	314-40-9	10mg/m3	10mg/m3	e	Yes

Section III – Physical/Chemical Characteristics

Boiling Point	Initial 430°F	Specific Gravity (H ₂ O = 1)	0.90
Vapor Pressure (mm Hg and Temperature)	0.3	Water Reactive	Negligible
Vapor Density (AIR = 1)	Greater than 1	Evaporation Rate (BUAC = 1)	0.07
Solubility in Water	Insoluble		

Appearance and Odor

Amber to red fluid with aromatic odor.

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Approximately 140°F TCC (may vary due to variation in petroleum)		1.0	6.0

Extinguishing Media

Carbon dioxide, sand, dry chemical, water fog

Special Fire Fighting Procedures

Do not enter confined space without full bunker gear including positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

Unusual Fire and Explosion Hazards

Oxidation & thermal decomposition can liberate noxious & toxic fumes.

Section V – Reactivity Data

Stability	Unstable	Conditions to Avoid	N/A
	Stable	X	

Incompatibility (Materials to Avoid)

Strong oxidizing agents.

Hazardous Decomposition or Byproducts

Oxides of carbon & nitrogen, hydrogen chloride, hydrogen bromide, unidentified organics.

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

Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? No
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Health Hazards (Acute and Chronic)

Acute Effects: CNS symptoms: giddiness, headache, dizziness, nausea, unconsciousness.

Inhalation: High vapor or spray mist concentrations may produce nose, throat & respiratory irritation & may cause CNS depression (see symptoms above).

Eye Contact: Liquid is slightly irritating. High vapor concentrations may be irritating.

Skin Contact: Prolonged or repeated contact can result in defatting of skin, irritation and dermatitis.

Ingestion: Not highly toxic but may result in vomiting. Aspiration of vomitus may result in pneumonitis.

Chronic Effects: None known.

Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
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Signs and Symptoms of Exposure
See above "Health Hazards".

Medical Conditions Generally Aggravated by Exposure
Pre-existing eye, skin and respiratory disorders.

Emergency and First Aid Procedure

Eye Contact: Flush with water for 15 minutes while holding lids open. Get medical attention.

Skin Contact: Remove contaminated clothing. Wipe excess from skin. Wash with soap and water. If irritation persists, get medical attention.

Inhalation: Remove to fresh air. If CNS symptoms occur, get medical attention.

Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Contain spill. Do not contaminate sewers, ground water or surface waters. Soak up in inert absorbent material & place into properly labeled & sealed non-leaking containers for disposal in authorized manner as hazardous waste.

Waste Disposal Method

Dispose of in accordance with all local, state and federal regulations.

Precautions to be Taken in Handling and Storage

Store in original shipping containers. Keep closed when not in use. Keep away from sources of heat, sparks or open flame.

Other Precautions

KEEP OUT OF REACH OF CHILDREN. Read & follow label directions. Do not cut or weld on full, part full or empty drums because explosive mixtures of air & vapor may be present.

Section VIII – Control Measures

Respiratory Protection (Specify Type)

Avoid prolonged or repeated breathing of vapors or spray mist. Respirator not required with adequate ventilation.

Ventilation	Local Exhaust	Adequate	Special	N/A
For large spills, use explosion-proof ventilation to control vapor concentration.	Mechanical (General)	N/A	Other	N/A

Protective Gloves	Eye Protection
Chemical resistant.	Safety glasses or goggles as appropriate.

Other Protective Clothing or Equipment

Eyewash stations & safety showers. Chemical resistant clothing as needed to minimize contact.

Work/Hygienic Practices

Do not eat, drink or smoke in work area. Wash hands after handling. Launder contaminated clothing before reuse.

N/A=Not Applicable

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