

# MATERIAL SAFETY DATA SHEET

**PRODUCT NAME: FORMULA 6646**

August 15, 2003

**MANUFACTURER:** MELROSE CHEMICAL PRODUCTS, LTD.  
2337-46th Ave.  
LACHINE, QUEBEC. H8T 3C9  
EMERGENCY TEL: (514) 631-2998  
FAX: (514) 631-2997

## I. DESCRIPTION OF PRODUCT

**SUPPLIER:** MELROSE CHEMICAL PRODUCTS, LTD.  
2337-46th Ave.  
LACHINE, QUEBEC. H8T 3C9  
EMERGENCY TEL: (514) 631-2998  
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**PRODUCT USE:** Total vegetation killer

**CHEMICAL FAMILY:** Organic blend

**T.D.G. CLASSIFICATION:** Not regulated

**WHMIS CLASSIFICATION:** Not regulated

## II. HAZARDOUS INGREDIENTS

Chemical Identity:	CAS #	% Conc.	Toxicity
Aromatic Hydrocarbons	64742-94-5	30 - 60	TLV 100 ppm
Aliphatic Hydrocarbons	64742-47-8	30 - 60	TLV 5 mg/m <sup>3</sup>
5-Bromo-3-sec-Butyl-6-Methyluracil	314-40-9	1 - 5	LD <sub>50</sub> , Rat oral 641 mg/kg

## III. PHYSICAL PROPERTIES

**Physical State:** Liquid  
**Appearance and colour:** Dark amber liquid, heavy aromatic odour.  
**Odour threshold:** 100 ppm  
**Specific Gravity:** 0.861  
**Vapour Pressure:** Not available  
**Evaporation Rate:** 1 (kerosene = 1)

**Vapour density:** <1 (air = 1)  
**Boiling Point:** 200°C  
**Freezing Point:** Not applicable.  
**pH:** Not applicable.  
**Solubility in water:** insoluble

## IV. FIRE OR EXPLOSION HAZARDS

**Conditions of Flammability:** Not flammable.  
**Means of extinction:** Use water spray, foam, dry chemical or carbon dioxide.  
**Flashpoint and method of determination:** 69°C (TCC)  
**Flammable limits (% in air):** LOWER: Not available UPPER: Not available  
**Auto-Ignition temp.:** Not available  
**Hazardous combustion products:** Carbon dioxide, carbon monoxide, hydrocarbons.  
**Unusual fire and explosion hazards:** None

## V. REACTIVITY DATA

**Chemical stability:** Stable under normal conditions. Hazardous polymerization will not occur.  
**Incompatible substances:** Strong oxidizing agents.  
**Conditions of reactivity:** Avoid contamination with reactive substances.  
**Hazardous decomposition products:** Carbon dioxide, carbon monoxide, hydrocarbons.

## VI. PREVENTIVE MEASURES

### PERSONAL PROTECTIVE EQUIPMENT TO BE USED:

**Respiratory Protection:** Approved organic canister mask or air supplied respirator.

**Protective Gloves:** Rubber gloves.

**Eye Protection:** Chemical safety goggles.

**Additional Protective Equipment:** Eye-wash station, safety boots, apron or overalls.

**Ventilation:** Use with adequate ventilation for misting operations.

**Procedures to be followed in case of spills or leaks:** Clean up spills promptly. Surfaces can be slippery. Treat as an oil spill. For small spills, absorb on inert material (clay, sand, dirt, etc.). For large spills, contain

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with absorbent material and contact a disposal company. In all cases, package in a Transport Canada approved container. Observe recommended control measures.

**Waste disposal:** Dispose of waste according to federal, provincial, and local regulations.

**Special handling procedures and equipment:** Avoid prolonged or frequent contact when handling material. Avoid breathing mists or vapour. Handle only in adequately ventilated areas.

**Specific storage requirements:** Keep container closed when not in use. Store in a cool and dry location away from oxidizing and reducing agents.

**Shipping information:** Not regulated.

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## VII. FIRST AID

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**Contact with skin:** Wash off in flowing water or shower. Wash contaminated clothing before re-use.

**Contact with eyes:** Immediately flush eyes with water for 15 minutes and call a physician.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

**Ingestion:** Do not induce vomiting. Keep patient at rest and call a physician immediately.

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## VIII. TOXICOLOGICAL PROPERTIES

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### ACUTE EXPOSURE EFFECTS:

### ROUTE OF ENTRY:

**Contact with the skin:** Irritating to skin upon repeated or prolonged contact.

**Inhalation:** Exposure to high vapour concentrations may cause respiratory tract irritation, headache, dizziness, nausea, incoordination, drowsiness and loss of consciousness.

**Ingestion:** Internal contact causes irritation of intestinal tracts.

**Eye contact:** Contact with eyes may cause pain or slight transient irritation with slight transient corneal injury. Vapour may irritate eyes.

**Exposure Limits:** 100 ppm

### CHRONIC EXPOSURE EFFECTS:

**Carcinogenicity, reproductive toxicity, teratogenicity, mutagenicity, synergistic effects:** None known

**PREPARED BY:** Regulatory Services  
Melrose Chemicals, Ltd.

**REPLACES: M.S.D.**  
**DATED:** August 15, 2000

**SOURCES USED:** CCOHS; MSDS from suppliers; Dangerous Properties of Industrial Materials, 7th edition, N. Irving Sax and Richard J. Lewis, Sr.; The Pharmacological Basis of Therapeutics, 4th edition, Louis S. Goodman and Alfred Gilman.

[Aussi disponible en Français](#)