

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **194-576 WB ORANGE DYE**

Supplier - Manufacturer **Chemcraft International Inc.,**
155 Rose Glen Road North
P.O. Box 458
Port Hope, ON.
Canada L1A 3Z3

Telephone (905) 885-6388 Fax (905) 885-5097

In case of Emergency (905) 885-6388, (800) 263-7951

For Transport Emergency or After Hours

CANUTEC (613) 996-6666

Code 194-576

Synonym W/B ORANGE DYE

Chemical Name Not applicable.

Chemical Family Azo dye. (Coloring material.)

Chemical Formula Not applicable.

Material Uses Coatings: Additives for surface coatings

Product Identification Number (PIN) Not regulated.

Section 2. Hazardous Ingredients

				<u>Exposure Limits</u>	
Name	CAS #	% by Weight	LC ₅₀ /LD ₅₀	TLV/PEL	
Diethylene glycol monobutyl ether	112-34-5	10-30	ORAL (LD50): Acute: 6560 mg/kg [Rat]. 7292 mg/kg [Rat]. 5717 mg/kg [Rat]. DERMAL (LD50): Acute: 4120 mg/kg [Rabbit]. 2764 mg/kg [Rabbit]. 4040 mg/kg [Rabbit].	Not available.	

Trace impurities and additional material names not listed above may appear in other sections of this MSDS. These materials may be listed for toxicological concerns, local compliance, or other reasons.

Section 3. Physical Data

Physical State and Appearance Liquid. (Fluid liquid.)

Color Orange. (Dark.) **Odor** Pleasant ester-like. **Taste** Not available. (Slight.)

Molecular Weight Not applicable.

pH (1% soln/water) 7 [Neutral.]

Boiling Point The lowest known value is 230.6°C (447.1°F) (Ethanol, 2-(2-butoxyethoxy)-).

Melting Point May start to solidify at -68.1°C (-90.6°F) based on data for: Ethanol, 2-(2-butoxyethoxy)-.

Critical Temperature Not available.

Specific Gravity 1 (Water = 1)

Vapor Pressure The highest known value is 0.001 kPa (0.01 mmHg) (at 20°C) (Ethanol, 2-(2-butoxyethoxy)-).

Vapor Density The highest known value is 5.6 (Air = 1) (Ethanol, 2-(2-butoxyethoxy)-).

Volatility Not available.

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Odor Threshold	Not available.
Water/Oil Dist. Coeff.	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	See solubility in water.
Solubility	Partially soluble in cold water, hot water. Insoluble in methanol, diethyl ether.

Section 4. Fire and Explosion Hazard

The Product is:	May be combustible at high temperature.
Fire Hazards in Presence of Various Substances	Slightly flammable to flammable in presence of open flames, sparks and static discharge.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards	When heated to decomposition, it emits acrid smoke and irritating fumes. (Ethanol, 2-(2-butoxyethoxy)-)
Flash Points	Closed cup: Higher than 93.3°C (200°F).
Flammable Limits	The greatest known range is LOWER: 0.85% UPPER: 24.6% (Ethanol, 2-(2-butoxyethoxy)-)
Auto-Ignition Temperature	The lowest known value is 227.78°C (442°F) (Ethanol, 2-(2-butoxyethoxy)-).
Products of Combustion	These products are carbon oxides (CO, CO ₂).
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Special Remarks on Explosion Hazards	Not available.

Section 5. Reactivity Data

Stability	The product is stable.
Decomposition products	Not available.
Conditions of Instability	Not available.
Incompatibility with various substances	Reactive with oxidizing agents, alkalis.
Corrosivity	Not available.
Special Remarks on Reactivity	Not available.
Special Remarks on Corrosivity	Not available.

Section 6. Toxicological Properties

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD ₅₀): 5717 mg/kg [Rat]. (Ethanol, 2-(2-butoxyethoxy)-). Acute dermal toxicity (LD ₅₀): 2764 mg/kg [Rabbit]. (Ethanol, 2-(2-butoxyethoxy)-).
Effects of Acute Exposure	Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant).
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified 4 (Probably not for human.) by IARC [194-576 WB ORANGE DYE]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to blood, kidneys, the nervous system, liver. Repeated or prolonged exposure to the substance can produce target organs damage.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.

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Special Remarks on Other Toxic Effects on Humans	Material is destructive to tissue of the mucous membranes and upper respiratory tract. (Ethanol, 2-(2-butoxyethoxy)-)
Exposure Limits	Not available.

Section 7. Preventive Measures

Personal Protection	Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.	
Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.	
Small Spill	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.	
Large Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.	
Waste Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.	
Precautions	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, alkalis.	
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.	
TDG Classification	-	
PIN	Not regulated.	PG:
Special Provisions for Transport		
Federal and State Regulations	No products were found.	
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).	
Other Classifications	WHMIS (Canada)	Class D-2B: Material causing other toxic effects (TOXIC).
	HCS (U.S.A.)	Class: Target organ effects.
Hazardous Material Information System (U.S.A.)	Health Hazard	* 1
	Fire Hazard	1
	Reactivity	0
	Personal Protection	G
National Fire Protection Association (U.S.A.)	Health	1
	Fire Hazard	1
	Reactivity	0
	Specific Hazard	

Section 8. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.
Hazardous Skin Contact	Not available.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Hazardous Inhalation	Not available.
Ingestion	Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Hazardous Ingestion	Not available.

Section 9. Preparation Information

References	-Manufacturers Material Safety Data Sheets.
Other Special Considerations	Not available.
Related Information	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.
Preparation Information	Validated by C.M. Kelly on 9/4/2002. Verified by C.M. Kelly. Printed 3/20/2003.
Information Contact	Prepared by the Health, Safety and Environment Department, Chemcraft International Inc., P.O. Box 458, 155, Rose Glen Road North, Port Hope, ON. Canada. Phone: 905 885-6388 Fax: 905 885-5097

Notice to Reader

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