

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **194-452 W/B DARK BROWN DYE**

Supplier - Manufacturer **Chemcraft International Inc.,**

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Code 194-452

Synonym W/B DARK BROWN DYE

Chemical Name Not applicable.

Chemical Family Synthetic polymer in organic solvent. (Paint.)

Chemical Formula Not applicable.

Material Uses Coatings: Surface coatings and finishes.

Product Identification Number (PIN) 1993 Combustible Liquid, N.O.S. (Ethoxypropanol)

Section 2. Hazardous Ingredients

Exposure Limits

Name	CAS #	% by Weight	LC ₅₀ /LD ₅₀	TLV/PEL
Propylene glycol monoethyl ether	1569-02-4	10-30	Not available.	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 Brown. (Dark.) Odor Alcohol like. (Slight.) Taste Not available.

Molecular Weight Not applicable.

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

Boiling Point The lowest known value is 100°C (212°F) (Water).

Melting Point May start to solidify at 0°C (32°F) based on data for: Water.

Critical Temperature Not available.

Specific Gravity 1.02 (Water = 1)

Vapor Pressure The highest known value is 2.3 kPa (@ 20°C) (Water).

Vapor Density Greater than air.

Volatility Not available.

Odor Threshold Not available.

Water/Oil Dist. Coeff. The product is much more soluble in water.

Ionicity (in Water) Not available.

Continued on Next Page

Dispersion Properties	See solubility in water, methanol, diethyl ether.
Solubility	Easily soluble in cold water, hot water, methanol. Soluble en diethyl ether. Insoluble in n-octanol.

Section 4. Fire and Explosion Hazard

The Product is:	Flammable.
Fire Hazards in Presence of Various Substances	Not considered to be flammable.
Fire Fighting Media and Instructions	Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
Special Remarks on Fire Hazards	Not available.
Flash Points	The lowest known value is CLOSED CUP: Between 37.8°C (100°F) and 61°C (142°F).. (Tagliabue.). (2-Propanol, 1-ethoxy-)
Flammable Limits	Not available.
Auto-Ignition Temperature	Not available.
Products of Combustion	These products are carbon oxides (CO, CO2).
Explosion Hazards in Presence of Various Substances	Non-explosive in presence of open flames and sparks, of shocks, of reducing materials, of combustible materials, of organic materials, of metals, of acids, of alkalis.
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	Non-reactive with oxidizing agents, reducing agents, combustible materials, metals, acids, alkalis.
Corrosivity	Non-corrosive in presence of glass, of aluminum, of zinc, of copper, of stainless steel(304), of stainless steel(316).
Special Remarks on Reactivity	Not available.
Special Remarks on Corrosivity	Not available.

Section 6. Toxicological Properties

Routes of Entry	Not available.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Effects of Acute Exposure	Slightly hazardous in case of ingestion. Non-corrosive for skin. Non-permeator by skin. Non-hazardous in case of inhalation.
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Not available.
Exposure Limits	Not available.

Continued on Next Page

Section 7. Preventive Measures

Personal Protection	Splash goggles. Synthetic apron. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves (impervious).	
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 threshold limit value. 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.	
Large Spill	Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.	
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. Ground all equipment containing material. Do not breathe gas/fumes/vapor/spray.	
Storage	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).	
TDG Classification	Class 3: Flammable liquid.	
PIN	1993 Combustible Liquid, PG: III N.O.S. (Ethoxypropanol)	
Special Provisions for Transport	Not available.	
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 B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). CLASS D-2B: Material causing other toxic effects (TOXIC).
	HCS (U.S.A.)	Class: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).
Hazardous Material Information System (U.S.A.)	Health Hazard	0
	Fire Hazard	2
	Reactivity	0
	Personal Protection	H
National Fire Protection Association (U.S.A.)	Health	0
	Fire Hazard	2
	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.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Hazardous Skin Contact	Not available.

Continued on Next Page

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Hazardous Inhalation	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
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	This material contains Chromium (CAS No7440-47-3) at <2% w/w.
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 1/11/2002. Verified by C.M. Kelly. Printed 10/28/2002.
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

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.