

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **194-645 W/B BLACK DYE**

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

CANUTEC (613) 996-6666

Code 194-645
Synonym W/B BLACK DYE
Chemical Name Not applicable.
Chemical Family Pigments. (Polymer.)
Chemical Formula Not applicable.
Material Uses Coatings: Surface coatings and finishes.
Product Identification Number (PIN) Not regulated.

Section 2. Hazardous Ingredients

Exposure limits

Name	CAS #	% by Weight	LC ₅₀ /LD ₅₀	TLV/PEL ACGIH (Canada)
Propylene glycol monomethyl ether	107-98-2	50 - 70	ORAL (LD50): Acute: 5660 mg/kg [Rat.]. DERMAL (LD50): Acute: 13000 mg/kg [Rabbit.].	TWA: 100 ppm STEL: 150 ppm

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.

Color Not available. Odor Not available. Taste Not available.

Molecular Weight Not applicable.

pH (1% soln/water) Neutral.

Boiling Point The lowest known value is 100°C (212°F) (Water). Weighted average: 116.62°C (241.9°F)

Melting Point May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -78.95°C (-110.1°F)

Critical Temperature Not available.

Specific Gravity Weighted average: 0.93 (Water = 1)

Vapor Pressure The highest known value is 2.3 kPa (17.2 mm Hg) (at 20°C) (Water). Weighted average: 1.8 kPa (13.5 mm Hg) (at 20°C)

Vapor Density The highest known value is 3.12 (Air = 1) (2-Propanol, 1-methoxy-). Weighted average: 2.76 (Air = 1)

Volatility Not available.

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Odor Threshold	Not available.
Water/Oil Dist. Coeff.	The product is much more soluble in water.
Ionicity (in Water)	Not available.
Dispersion Properties	See solubility in water, methanol, diethyl ether.
Solubility	Soluble in cold water, hot water, methanol, diethyl ether. Insoluble in n-octanol.

Section 4. Fire and Explosion Hazard

The Product is:	May be combustible at high temperature.
Fire Hazards in Presence of Various Substances	Highly 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	Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits acrid smoke and irritating fumes. (2-Propanol, 1-methoxy-)
Flash Points	Closed cup: Higher than 93.3°C (200°F).
Flammable Limits	The greatest known range is Lower: 1.6% Upper: 13.8% (2-Propanol, 1-methoxy-)
Auto-Ignition Temperature	The lowest known value is 287°C (548.6°F) (2-Propanol, 1-methoxy-).
Products of Combustion	These products are carbon oxides (CO, CO ₂).
Explosion Hazards in Presence of Various Substances	Highly explosive in presence of open flames, sparks and static discharge.
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.
Corrosivity	Not available.
Special Remarks on Reactivity	Not available.
Special Remarks on Corrosivity	Not available.

Section 6. Toxicological Properties

Routes of Entry	Not available.
Toxicity to Animals	Acute oral toxicity (LD50): 5660 mg/kg [Rat.]. (2-Propanol, 1-methoxy-). Acute dermal toxicity (LD50): 13000 mg/kg [Rabbit.]. (2-Propanol, 1-methoxy-).
Effects of Acute Exposure	Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified 4 (Probably not for human.) by IARC, None. by OSHA [2-Propanol, 1-methoxy-]. 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	Exposure can cause coughing, chest pains, difficulty in breathing. (2-Propanol, 1-methoxy-)
Special Remarks on Other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract. (2-Propanol, 1-methoxy-)
Exposure Limits	Not available.

Section 7. Preventive Measures

Personal Protection	Safety glasses. Lab coat. Impervious gloves.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. 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. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.
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	Pennsylvania RTK: 2-Propanol, 1-methoxy- Massachusetts RTK: 2-Propanol, 1-methoxy- New Jersey: 2-Propanol, 1-methoxy-
Other Regulations	Not available. or of its ingredients
Other Classifications	WHMIS (Canada) Class D-2B: Material causing other toxic effects (TOXIC). HCS (U.S.A.) Not controlled under the HCS (United States).
Hazardous Material Information System (U.S.A.)	Health Hazard 1 Fire Hazard 1 Reactivity 0 Personal Protection A
National Fire Protection Association (U.S.A.)	Health 0 Fire Hazard 1 Reactivity 0 Specific Hazard

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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 Florendo Tarnate on 9/16/2005. Verified by Florendo Tarnate. Printed 9/16/2005.
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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