

# Material Safety Data Sheet

## Section 1. Product Identification and Use

Product Name - Trade Name **855-100 W/B BASECOAT**

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** 855-100

**Synonym** W/B BASECOAT

**Chemical Name** Not applicable.

**Chemical Family** Synthetic polymer in water and organic solvent.  
(Paint.)

**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 <sub>50</sub> /LD <sub>50</sub>	TLV/PEL
Silica quartz	14808-60-7	0.1-1	Not available.	TWA: 0.1 (mg/m <sup>3</sup> ) from ACGIH (TLV) [United States] Respirable.
Ethylene glycol monobutyl ether	111-76-2	1-5	ORAL (LD50): Acute: 470 mg/kg [Rat]. 2436 mg/kg [Rat]. DERMAL (LD50): Acute: 220 mg/kg [Rabbit]. 631 mg/kg [Rabbit].	TWA: 25 (ppm) from OSHA (PEL) [United States] TWA: 25 (ppm) from ACGIH (TLV) [United States]

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: 107.68°C (225.8°F)

**Melting Point** May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -7.59°C (18.3°F)

**Critical Temperature** Not available.

**Specific Gravity** Weighted average: 1.28 (Water = 1)

**Vapor Pressure** The highest known value is 2.3 kPa (@ 20°C) (Water). Weighted average: 2.06 kPa (@ 20°C)

**Vapor Density** The highest known value is 4.1 (Air = 1) (Ethanol, 2-butoxy-). Weighted average: 1.33 (Air = 1)

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<b>Volatility</b>	Not available.
<b>Odor Threshold</b>	Not available.
<b>Water/Oil Dist. Coeff.</b>	The product is insoluble in water and oil.
<b>Ionicity (in Water)</b>	Not available.
<b>Dispersion Properties</b>	Is not dispersed in cold water, hot water. See solubility in methanol, acetone.
<b>Solubility</b>	Easily soluble in methanol, acetone. Very slightly soluble in diethyl ether. Insoluble in cold water, hot water, n-octanol.

#### **Section 4. Fire and Explosion Hazard**

<b>The Product is:</b>	Non-flammable.
<b>Fire Hazards in Presence of Various Substances</b>	Not applicable.
<b>Fire Fighting Media and Instructions</b>	Not applicable.
<b>Special Remarks on Fire Hazards</b>	Non-flammable aqueous emulsion. Material may burn after evaporation of liquids.
<b>Flash Points</b>	Not applicable.
<b>Flammable Limits</b>	Not applicable.
<b>Auto-Ignition Temperature</b>	Not applicable.
<b>Products of Combustion</b>	Not applicable.
<b>Explosion Hazards in Presence of Various Substances</b>	Risks of explosion of the product in presence of static discharge: Not available. Non-explosive in presence of shocks, of reducing materials, of combustible materials, of organic materials, of metals, of acids, of alkalis.
<b>Special Remarks on Explosion Hazards</b>	Not available.

#### **Section 5. Reactivity Data**

<b>Stability</b>	The product is stable.
<b>Decomposition products</b>	Not available.
<b>Conditions of Instability</b>	Not available.
<b>Incompatibility with various substances</b>	Slightly reactive to reactive with oxidizing agents, metals, alkalis. Non-reactive with reducing agents, combustible materials, organic materials.
<b>Corrosivity</b>	Non-corrosive in presence of glass, of aluminum, of zinc, of copper, of stainless steel(304), of stainless steel(316).
<b>Special Remarks on Reactivity</b>	Incompatible with chloroformates. (1,2-Propanediol)
<b>Special Remarks on Corrosivity</b>	Not available.

#### **Section 6. Toxicological Properties**

<b>Routes of Entry</b>	Dermal contact. Inhalation. Ingestion.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 470 mg/kg [Rat]. (Ethanol, 2-butoxy-). Acute dermal toxicity (LD50): 220 mg/kg [Rabbit]. (Ethanol, 2-butoxy-).
<b>Effects of Acute Exposure</b>	Hazardous in case of skin contact (permeator), of ingestion, of inhalation. Non-corrosive for skin. Severe over-exposure can result in death.
<b>Chronic Effects on Humans</b>	<b>CARCINOGENIC EFFECTS:</b> Classified 4 (Probably not for human.) by IARC, 4 (No evidence.) by NTP, None. by OSHA [Titanium dioxide (TiO <sub>2</sub> )]. Classified 1 (Clear evidence.) by NTP [Quartz (SiO <sub>2</sub> )]. Classified 2A (Probable for human.) by IARC [Quartz (SiO <sub>2</sub> )]. Classified None. by OSHA [Quartz (SiO <sub>2</sub> )]. <b>MUTAGENIC EFFECTS:</b> Not available. <b>TERATOGENIC EFFECTS:</b> Not available. <b>DEVELOPMENTAL TOXICITY:</b> Not available. The substance is toxic to blood, kidneys, lungs, liver, upper respiratory tract, skin, bone marrow, eye, lens or cornea. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to

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an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

**Special Remarks on Toxicity to Animals**

Very low toxicity for humans or animals. (Poly(oxy(methyl-1,2-ethanediyl)), alpha-hydro-omega-hydroxy-)

**Special Remarks on Chronic Effects on Humans**

Crystalline silica is listed aby IARC as 2A - Probably carcinogenic in humans. Long term over exposure to silica causes silicosis, a form of pulmonary fibrosis. Continued exposure to silica can lead to cardiopulmonary impairment. (Quartz (SiO<sub>2</sub>))

**Special Remarks on Other Toxic Effects on Humans**

Exposure can cause nausea, headache and vomiting. (Ethanol, 2-butoxy-)

**Exposure Limits**

**Ammonia, anhydrous**

TWA: 1 STEL: 1 CEIL: 1 (ppm) from ACGIH (TLV) [USA] [1994]

TWA: 25 STEL: 35 (ppm) from ACGIH (TLV) [USA]

TWA: 50 (ppm) from OSHA (PEL) [USA]

TWA: 35 (mg/m<sup>3</sup>) from OSHA (PEL) [USA]

**Distillates (petroleum), solvent-dewaxed heavy paraffinic**

TWA: 5 STEL: 10 (ppm) from ACGIH (TLV) [United States]

**Titanium dioxide (TiO<sub>2</sub>)**

TWA: 5 CEIL: 20 (ppm) from OSHA (PEL) [United States]

**Talc**

TWA: 2 (ppm) from ACGIH (TLV) [United States]

**Quartz (SiO<sub>2</sub>)**

TWA: 0.1 (mg/m<sup>3</sup>) from ACGIH (TLV) [United States] Respirable.

**Ethanol, 2-butoxy-**

TWA: 25 (ppm) from OSHA (PEL) [United States]

TWA: 25 (ppm) from ACGIH (TLV) [United States]

Consult local authorities for acceptable exposure limits.

## Section 7. Preventive Measures

**Personal Protection**

Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Neoprene gloves.

**Personal Protection in Case of a Large Spill**

Splash goggles. Full suit. Vapor respirator. Boots. Neoprene 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**

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**Large Spill**

Toxic liquid.

Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

**Waste Disposal**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Precautions**

Keep locked up. Do not ingest. Do not breathe gas/fumes/vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

**Storage**

Keep container tightly closed. Keep container in a cool, well-ventilated area.

**TDG Classification**

Not controlled under TDG (Canada).

**PIN**

NOT REGULATED **PG:** Not applicable.

**Special Provisions for Transport**

Not applicable.

**Federal and State Regulations**

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Quartz (SiO<sub>2</sub>)

California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Quartz (SiO<sub>2</sub>)

California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (male) which would require a warning under the statute: Quartz (SiO<sub>2</sub>)

Rhode Island RTK hazardous substances: Ammonia, anhydrous; 1,2-Propanediol  
 Pennsylvania RTK: Ammonium hydroxide ((NH4)(OH)); 1,2-Propanediol  
 Florida: Ammonia, anhydrous  
 Minnesota: Ammonia, anhydrous; 1,2-Propanediol  
 Massachusetts RTK: Ammonium hydroxide ((NH4)(OH))  
 New Jersey: Ammonia, anhydrous  
 New Jersey spill list: Ammonia, anhydrous  
 TSCA 8(b) inventory: Ammonia, anhydrous; Ethylene glycol monobutyl ether; 5-Decyne-4,7-diol, 2,4,7,9-tetramethyl-; 1,2-Propanediol  
 SARA 302/304/311/312 extremely hazardous substances: Ammonia, anhydrous  
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Ammonium hydroxide ((NH4)(OH)); Quartz (SiO2): delayed health hazard  
 SARA 313 toxic chemical notification and release reporting: Ammonium hydroxide ((NH4)(OH)) 0.6476%; Ethylene glycol monobutyl ether 3.52%  
 CERCLA: Hazardous substances.: Ammonia, anhydrous;  
 OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

**Other Regulations**

**Other Classifications**

**WHMIS (Canada)**                      **CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).**  
**CLASS D-2A: Material causing other toxic effects (VERY TOXIC).**

**HCS (U.S.A.)**                      CLASS: Contains material which can cause cancer.  
 Class: Toxic.  
 Class: Irritating substance.  
 Class: Target organ effects.

<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health Hazard</b>	* 2
	<b>Fire Hazard</b>	0
	<b>Reactivity</b>	0
	<b>Personal Protection</b>	g
<b>National Fire Protection Association (U.S.A.)</b>	<b>Health</b>	2
	<b>Fire Hazard</b>	0
	<b>Reactivity</b>	0
	<b>Specific Hazard</b>	

**Section 8. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
<b>Hazardous Skin Contact</b>	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Hazardous Inhalation</b>	Not available.
<b>Ingestion</b>	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.
<b>Hazardous Ingestion</b>	Not available.

**Section 9. Preparation Information**

<b>References</b>	-Manufacturers Material Safety Data Sheets.
<b>Other Special Considerations</b>	Sanding dust may be hazardous. Follow recommended procedures to reduce exposure to sanding dust.
<b>Related Information</b>	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.
<b>Preparation Information</b>	<b>Validated by C.M. Kelly on 7/18/2002.</b> <b>Verified by C.M. Kelly.</b> <b>Printed 2/28/2003.</b>
<b>Information Contact</b>	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.*