

# Material Safety Data Sheet

## Section 1. Product Identification and Use

Product Name - Trade Name **555-001 VAN DYKE BROWN BASE**

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 555-001

Synonym VAN DYKE BROWN BASE

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) 1263 PAINT

## Section 2. Hazardous Ingredients

Name	CAS #	% by Weight	<u>Exposure Limits</u>	
			LC <sub>50</sub> /LD <sub>50</sub>	TLV/PEL
Raw linseed oil	8001-26-1	10-30	Not available.	Not available.
Ethylbenzene	100-41-4	0.1-1	ORAL (LD50): Acute: 3500 mg/kg [Rat]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].	<b>ACGIH (Canada).</b> TWA: 100 ppm STEL: 125 ppm
Solvent naphtha (petroleum), medium aliph.	64742-88-7	30-60	Not available.	Not available.
Methyl alcohol	67-56-1	1-5	ORAL (LD50): Acute: 6200 mg/kg [Rat]. 5600 mg/kg [Rat]. DERMAL (LD50): Acute: 15800 mg/kg [Rabbit].	<b>OSHA (Canada).</b> TWA: 200 ppm <b>ACGIH (Canada, 2000).</b> TWA: 200 ppm STEL: 250 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 64.5°C (148.1°F) (Methanol). Weighted average: 324.07°C (615.3°F)

Melting Point May start to solidify at -19°C (-2.2°F) based on data for: Linseed oil. Weighted average: -29.28°C (-20.7°F)

Critical Temperature Not available.

Specific Gravity Weighted average: 0.88 (Water = 1)

*Continued on Next Page*

<b>Vapor Pressure</b>	The highest known value is 12.2 kPa (91.8 mmHg) (at 20°C) (Methanol). Weighted average: 1.21 kPa (9.08 mmHg) (at 20°C)
<b>Vapor Density</b>	The highest known value is (Linseed oil). Weighted average: 1.45 (Air = 1)
<b>Volatility</b>	Not available.
<b>Odor Threshold</b>	Not available.
<b>Water/Oil Dist. Coeff.</b>	Not available.
<b>Ionicity (in Water)</b>	Not available.
<b>Dispersion Properties</b>	Is not dispersed in cold water, hot water. See solubility in methanol, diethyl ether.
<b>Solubility</b>	Easily soluble in methanol, diethyl ether. Insoluble in cold water, hot water.

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

<b>The Product is:</b>	Flammable.
<b>Fire Hazards in Presence of Various Substances</b>	Flammable in presence of open flames, sparks and static discharge, of combustible materials.
<b>Fire Fighting Media and Instructions</b>	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
<b>Special Remarks on Fire Hazards</b>	Dangerous; this product may polymerize and ignite spontaneously in air. (Linseed oil)
<b>Flash Points</b>	The lowest known value is Closed cup: 12°C (53.6°F). (Tagliabue.). Open cup: 15.6°C (60.1°F). (Tagliabue). (Methanol)
<b>Flammable Limits</b>	The greatest known range is LOWER: 6% UPPER: 36.5% (Methanol)
<b>Auto-Ignition Temperature</b>	The lowest known value is 463.89°C (867°F) (Methanol).
<b>Products of Combustion</b>	These products are carbon oxides (CO, CO <sub>2</sub> ).
<b>Explosion Hazards in Presence of Various Substances</b>	Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames, sparks and static discharge.
<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>	Reactive with oxidizing agents, combustible materials, metals.
<b>Corrosivity</b>	Not available.
<b>Special Remarks on Reactivity</b>	Hygroscopic; keep container tightly closed. 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. Eye contact. Ingestion.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 5600 mg/kg [Rat]. (Methanol). Acute dermal toxicity (LD50): 15800 mg/kg [Rabbit.]. (Methanol). Acute toxicity of the vapor (LC50): 64000 ppm 4 hour(s) [Rat.]. (Methanol).
<b>Effects of Acute Exposure</b>	Very hazardous in case of skin contact (irritant). Hazardous in case of eye contact (irritant), of ingestion. Slightly hazardous in case of skin contact (permeator), of inhalation.

<b>Chronic Effects on Humans</b>	Hazardous in case of eye contact (irritant), of inhalation (lung irritant). Slightly hazardous in case of skin contact (irritant). <b>CARCINOGENIC EFFECTS:</b> Classified A4 (Not classifiable for human or animal.) by ACGIH [Benzene, 1,3-dimethyl-]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [Methanol]. <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, the nervous system, liver. Repeated or prolonged exposure to the substance can produce target organs damage.
<b>Special Remarks on Toxicity to Animals</b>	Not available.
<b>Special Remarks on Chronic Effects on Humans</b>	May be fatal or cause blindness if swallowed. Animal: embryotoxic, passes through the placental barrier. (Methanol)
<b>Special Remarks on Other Toxic Effects on Humans</b>	Narcotic. (Methanol)
<b>Exposure Limits</b>	Not available.

## Section 7. Preventive Measures

<b>Personal Protection</b>	Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
<b>Personal Protection in Case of a Large Spill</b>	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.
<b>Engineering Controls</b>	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.
<b>Small Spill</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
<b>Large Spill</b>	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 get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.
<b>Waste Disposal</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Precautions</b>	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, combustible materials, metals.
<b>Storage</b>	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).
<b>TDG Classification</b>	3
<b>PIN</b>	1263 PAINT <b>PG: II</b>
<b>Special Provisions for Transport</b>	
<b>Federal and State Regulations</b>	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> ); Benzene, dimethyl-; Isobutyl alcohol; Benzene, ethyl- 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> ); Isobutyl alcohol 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> ); Isobutyl alcohol California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Isobutyl alcohol Illinois toxic substances disclosure to employee act: Benzene, ethyl- New York release reporting list: Benzene, 1,3-dimethyl-; Methanol New York acutely hazardous substances: Benzene, ethyl- Rhode Island RTK hazardous substances: Benzene, ethyl-; 1,2-Propanediol; Methanol Pennsylvania RTK: 1,2-Propanediol; Methanol: (environmental hazard) Florida: Benzene, ethyl-; Benzene, 1,3-dimethyl-; Methanol Minnesota: Benzene, ethyl-; 1,2-Propanediol; Methanol Massachusetts RTK: Benzene, ethyl-; Benzene, 1,3-dimethyl-; Methanol

Continued on Next Page

New Jersey: Benzene, ethyl-; Methanol  
 TSCA 8(b) inventory: Benzene, dimethyl-; 1,2-Propanediol; Benzene, ethyl-  
 TSCA 8(d) H and S data reporting: Benzene, ethyl-  
 SARA 302/304/311/312 hazardous chemicals: Methanol  
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Quartz (SiO<sub>2</sub>): Delayed (Chronic) Health Hazard; Benzene, dimethyl-: Fire Hazard, Immediate (Acute) Health Hazard; Isobutyl alcohol: Fire Hazard, Immediate (Acute) Health Hazard; Benzene, ethyl-: Fire Hazard, Immediate (Acute) Health Hazard  
 SARA 313 toxic chemical notification and release reporting: Benzene, dimethyl- 0.33%; Methanol 3%  
 CERCLA: Hazardous substances.: Benzene, dimethyl-; Isobutyl alcohol; Benzene, ethyl-: 1000 lbs. (453.6 kg); Methanol;

**Other Regulations**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

**Other Classifications**

**WHMIS (Canada)**  
**Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).**  
**Class D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).**  
**Class D-2A: Material causing other toxic effects (VERY TOXIC).**  
**Class D-2B: Material causing other toxic effects (TOXIC).**

**HCS (U.S.A.)** Class: Flammable liquid having a flash point lower than 37.8°C (100°F).  
 Class: Target organ effects.

<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health Hazard</b>	* 2
	<b>Fire Hazard</b>	3
	<b>Reactivity</b>	0
	<b>Personal Protection</b>	H
<b>National Fire Protection Association (U.S.A.)</b>	<b>Health</b>	2
	<b>Fire Hazard</b>	3
	<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. Cover the irritated skin with an emollient. 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 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 if symptoms appear.
<b>Hazardous Inhalation</b>	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.
<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>	Not available.
<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 9/10/2002.</b> <b>Verified by C.M. Kelly.</b> <b>Printed 9/18/2002.</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.*