

# Material Safety Data Sheet

## Section 1. Product Identification and Use

Product Name - Trade Name **121-803 FAST THINNER**

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 121-803

Synonym FAST REDUCER

Chemical Name Not applicable.

Chemical Family Solvent. (Solvent.)

Chemical Formula Not applicable.

Material Uses Coatings: Solvent.

Product Identification Number (PIN) 1263 PAINT RELATED MATERIAL

## Section 2. Hazardous Ingredients

Name	CAS #	% by Weight	<u>Exposure Limits</u>	
			LC <sub>50</sub> /LD <sub>50</sub>	TLV/PEL
1-Butanol	71-36-3	10-30	ORAL (LD50): Acute: 2510 mg/kg [Rat]. 790 mg/kg [Rat]. DERMAL (LD50): Acute: 5300 mg/kg [Rabbit]. 3400 mg/kg [Rabbit].	Not available.
Ethyl Acetate	141-78-6	10-30	ORAL (LD50): Acute: 5600 mg/kg [Rat].	<b>OSHA (Canada).</b> TWA: 400 <b>ACGIH (Canada).</b> TWA: 400 ppm
n-Butyl acetate	123-86-4	10-30	ORAL (LD50): Acute: 14130 mg/kg [Rat]. 7100 mg/kg [Mouse]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit]. 8770 mg/kg [Guinea pig].	<b>OSHA (Canada).</b> TWA: 150 ppm STEL: 200 ppm <b>ACGIH (Canada, 2000).</b> TWA: 150 ppm STEL: 200 ppm
Toluene	108-88-3	30-60	ORAL (LD50): Acute: 2600 mg/kg [Rat]. DERMAL (LD50): Acute: 12210 mg/kg [Rabbit].	<b>ACGIH (Canada, 1993).</b> TWA: 50 ppm TWA: 188 mg/m <sup>3</sup>

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) Not available.

Boiling Point The lowest known value is 77°C (170.6°F) (Acetic Acid, Ethyl Ester). Weighted average: 110.09°C (230.2°F)

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<b>Melting Point</b>	May start to solidify at -77.9°C (-108.2°F) based on data for: Acetic Acid, Butyl Ester. Weighted average: -90.66°C (-131.2°F)
<b>Critical Temperature</b>	Not available.
<b>Specific Gravity</b>	Weighted average: 0.86 (Water = 1)
<b>Vapor Pressure</b>	The highest known value is 9.7 kPa (73 mmHg) (at 20°C) (Acetic Acid, Ethyl Ester). Weighted average: 3.21 kPa (24.08 mmHg) (at 20°C)
<b>Vapor Density</b>	The highest known value is 4 (Air = 1) (Acetic Acid, Butyl Ester). Weighted average: 3.11 (Air = 1)
<b>Volatility</b>	Not available.
<b>Odor Threshold</b>	The lowest known value is 0.04 ppm (Acetic Acid, Butyl Ester)
<b>Water/Oil Dist. Coeff.</b>	The product is more soluble in octanol.
<b>Ionicity (in Water)</b>	Not available.
<b>Dispersion Properties</b>	Partially dispersed in methanol, diethyl ether. Very slightly dispersed in cold water, hot water. See solubility in methanol, diethyl ether, n-octanol.
<b>Solubility</b>	Easily soluble in methanol, diethyl ether. Soluble in n-octanol. Very slightly soluble 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>	Highly flammable in presence of open flames, sparks and static discharge. Flammable in presence of heat.
<b>Fire Fighting Media and Instructions</b>	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.
<b>Special Remarks on Fire Hazards</b>	Vapor may travel considerable distance to source of ignition and flash back. (Benzene, methyl-)
<b>Flash Points</b>	The lowest known value is Closed cup: -1°C (30.2°F). (Tagliabue). Open cup: -0.5°C (31.1°F). (Tagliabue). (Acetic Acid, Ethyl Ester)
<b>Flammable Limits</b>	The greatest known range is LOWER: 1.4% UPPER: 11.2% (1-Butanol)
<b>Auto-Ignition Temperature</b>	The lowest known value is 343°C (649.4°F) (1-Butanol).
<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. Highly 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, reducing agents. Slightly reactive to reactive with organic materials, metals, acids, alkalis.
<b>Corrosivity</b>	Not available.
<b>Special Remarks on Reactivity</b>	Not available.
<b>Special Remarks on Corrosivity</b>	Not available.

## Section 6. Toxicological Properties

<b>Routes of Entry</b>	Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 790 mg/kg [Rat]. (1-Butanol). Acute dermal toxicity (LD50): 3400 mg/kg [Rabbit]. (1-Butanol). Acute toxicity of the vapor (LC50): >1800 ppm 4 hour(s) [Rat]. (Acetic Acid, Butyl Ester).
<b>Effects of Acute Exposure</b>	Very hazardous in case of skin contact (irritant, permeator), of eye contact (irritant). Hazardous in case of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
<b>Chronic Effects on Humans</b>	<b>CARCINOGENIC EFFECTS:</b> Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [1-Butanol]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Acetic Acid, Ethyl Ester]. <b>MUTAGENIC EFFECTS:</b> Not available. <b>TERATOGENIC EFFECTS:</b> Not available. <b>DEVELOPMENTAL TOXICITY:</b> Not available. The substance is toxic to blood, the nervous system. 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>	Inhalation of vapors may cause dizziness, an irregular heartbeat, narcosis, nausea or asphyxiation. (Benzene, methyl-)
<b>Special Remarks on Other Toxic Effects on Humans</b>	Exposure can cause lung irritation, chest pain and oedema which may be fatal. (Benzene, methyl-)
<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 touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.
<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. 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. Keep away from incompatibles such as oxidizing agents, reducing agents.
<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 RELATED PG: II MATERIAL
<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: Benzene, methyl- California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Benzene, methyl- New York release reporting list: Acetic Acid, Ethyl Ester; Acetic Acid, Butyl Ester Rhode Island RTK hazardous substances: Acetic Acid, Ethyl Ester Pennsylvania RTK: Acetic Acid, Ethyl Ester; Acetic Acid, Butyl Ester Florida: Acetic Acid, Ethyl Ester; Acetic Acid, Butyl Ester Minnesota: Acetic Acid, Ethyl Ester; Acetic Acid, Butyl Ester

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Massachusetts RTK: Acetic Acid, Ethyl Ester; Acetic Acid, Butyl Ester  
 New Jersey: Acetic Acid, Ethyl Ester; Acetic Acid, Butyl Ester  
 TSCA 8(b) inventory: N-Butyl Alcohol; Acetic Acid, Ethyl Ester; Acetic Acid, Butyl Ester; Benzene, methyl-  
 TSCA 5(e) substance consent order: Acetic Acid, Ethyl Ester; Acetic Acid, Butyl Ester  
 TSCA 12(b) annual export notification: Acetic Acid, Ethyl Ester; Acetic Acid, Butyl Ester  
 SARA 302/304/311/312 extremely hazardous substances: N-Butyl Alcohol  
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Acetic Acid, Ethyl Ester:  
 Fire Hazard, Immediate (Acute) Health Hazard; Acetic Acid, Butyl Ester  
 SARA 313 toxic chemical notification and release reporting: N-Butyl Alcohol 19%; Benzene, methyl-60%  
 CERCLA: Hazardous substances.: N-Butyl Alcohol; Acetic Acid, Ethyl Ester; Acetic Acid, Butyl Ester; Benzene, methyl-;  
 OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

**Other Regulations****Other Classifications**

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

**HCS (U.S.A.)**      Class: Highly toxic.  
 Class: Flammable liquid having a flash point lower than 37.8°C (100°F).  
 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>		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. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention immediately.
<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 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>	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. <b>WARNING:</b> It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. 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 8/26/2002.</b> <b>Verified by C.M. Kelly.</b> <b>Printed 9/23/2002.</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.*