

# Material Safety Data Sheet

Validated by C.M. Kelly on 10/10/2002.  
Verified by C.M. Kelly.  
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## Section 1. Product Identification and Use

Product Name - Trade Name **421-3760 PLASTOFIX® ELITE (60 SHEEN)**

Supplier - Manufacturer **Chemcraft International Inc.,**  
3950 New Walkertown Rd.  
Winston-Salem, NC.  
U.S.A. 27051

Telephone (336) 723-1846 Fax (336) 724-7138

In case of Emergency 1-800-424-5571

### For Transport Emergency or After Hours

CHEMTREC 1-800-424-9300

**Code** 421-3760  
**Synonym** PLASTOFIX® ELITE (60 SHEEN)  
**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

### Exposure Limits

Name	CAS #	% by Weight	LC <sub>50</sub> /LD <sub>50</sub>	TLV/PEL
Isopropanol	67-63-0	1-5	ORAL (LD50): Acute: 5045 mg/kg [Rat]. 4797 mg/kg [Dog]. 3600 mg/kg [Mouse]. DERMAL (LD50): Acute: 12800 mg/kg [Rabbit].	<b>ACGIH (Canada, 1994).</b> TWA: 400 ppm STEL: 500 ppm TWA: 983 mg/m <sup>3</sup> STEL: 1230 mg/m <sup>3</sup>
Isobutyl acetate	110-19-0	1-5	ORAL (LD50): Acute: 4763 mg/kg [Rabbit]. 3200 mg/kg [Rat].	Not available.
Toluene	108-88-3	5-10	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>
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.
Xylenes	1330-20-7	0.1-1	ORAL (LD50): Acute: 4300 mg/kg [Rat].	<b>ACGIH (Canada, 1992).</b> TWA: 100 ppm STEL: 150 ppm TWA: 434 mg/m <sup>3</sup> STEL: 651 mg/m <sup>3</sup>
Pseudocumene	95-63-6	1-5	Not available.	Not available.
Light aromatic naphtha	64742-95-6	1-5	ORAL (LD50): Acute: 6960 mg/kg [Rat].	<b>ACGIH (Canada).</b> TWA: 123 mg/m <sup>3</sup>
Formaldehyde	50-00-0	0.1-1	ORAL (LD50): Acute: 100 mg/kg [Rat]. DERMAL (LD50): Acute: 270 mg/kg [Rabbit].	<b>OSHA (Canada).</b> STEL: 2 ppm TWA: 0.75 ppm
Potential additional emission of formaldehyde	50-00-0*	0.1-1	ORAL (LD50): Acute: 100 mg/kg [Rat]. DERMAL (LD50): Acute:	<b>OSHA (Canada).</b> STEL: 2 ppm

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Ethylbenzene	100-41-4	0.1-1	270 mg/kg [Rabbit]. ORAL (LD50): Acute: 3500 mg/kg [Rat]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].	TWA: 0.75 ppm <b>ACGIH (Canada).</b> TWA: 100 ppm STEL: 125 ppm Not available.
p-Methyltoluene	106-42-3	0.1-1	ORAL (LD50): Acute: 4100 mg/kg [Rat.].	Not available.
Methyl alcohol	67-56-1	5-10	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 Not available.
Solvent naphtha (petroleum), light aliph.	64742-89-8	1-5	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

<b>Physical State and Appearance</b>	Liquid.
<b>Color</b>	Not available.
<b>Odor</b>	Not available.
<b>Taste</b>	Not available.
<b>Molecular Weight</b>	Not applicable.
<b>pH (1% soln/water)</b>	Neutral.
<b>Boiling Point</b>	The lowest known value is 64.5°C (148.1°F) (Methanol). Weighted average: 109.16°C (228.5°F)
<b>Melting Point</b>	May start to solidify at -43.8°C (-46.8°F) based on data for: . Weighted average: -88.16°C (-126.7°F)
<b>Critical Temperature</b>	Not available.
<b>Specific Gravity</b>	Weighted average: 0.92 (Water = 1)
<b>Vapor Pressure</b>	The highest known value is 12.2 kPa (91.8 mmHg) (at 20°C) (Methanol). Weighted average: 3.37 kPa (25.28 mmHg) (at 20°C)
<b>Vapor Density</b>	The highest known value is 4.14 (Air = 1) (). Weighted average: 2.58 (Air = 1)
<b>Volatility</b>	Not available.
<b>Odor Threshold</b>	The lowest known value is 0.64 ppm (Acetic acid, 2-methylpropyl ester) Weighted average: 13.2 ppm
<b>Water/Oil Dist. Coeff.</b>	The product is much more soluble in octanol.
<b>Ionicity (in Water)</b>	Not available.
<b>Dispersion Properties</b>	Is not dispersed in cold water, hot water, methanol. See solubility in methanol, diethyl ether, n-octanol, acetone.
<b>Solubility</b>	Easily soluble in methanol, diethyl ether, acetone. Soluble in n-octanol. 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>	Highly flammable in presence of open flames, sparks and static discharge. Slightly flammable to flammable in presence of heat, of oxidizing materials, 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>	May form explosive mixtures with air. (1-Butanol)
<b>Flash Points</b>	The lowest known value is Closed cup: 6°C (42.8°F). (Tagliabue.). Open cup: 9°C (48.2°F). (Tagliabue). (Benzene, methyl-)
<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 343°C (649.4°F) (1-Butanol).

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<b>Products of Combustion</b>	These products are carbon oxides (CO, CO <sub>2</sub> ), nitrogen oxides (NO, NO <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. Slightly reactive to reactive with reducing agents, organic materials, acids, alkalis.
<b>Corrosivity</b>	Not available.
<b>Special Remarks on Reactivity</b>	Incompatible with chlorinated compounds. (2-Propanol)
<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): 3500 ppm 4 hour(s) [Rat]. (Acetic acid, 2-methylpropyl ester).
<b>Effects of Acute Exposure</b>	Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Hazardous in case of skin contact (sensitizer, permeator), 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 [2-Propanol]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [1-Butanol]. Classified A2 (Suspected for human.) by ACGIH, 2A (Probable for human.) by IARC [Formaldehyde]. Classified A2 (Suspected for human.) by ACGIH, 2A (Probable for human.) by IARC [Formaldehyde]. Classified A4 (Not classifiable for human or animal.) by ACGIH [Benzene, 1,3-dimethyl-]. Classified 4 (Probably not for human.) by IARC [Silica gel, pptd., cryst.-free]. 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> Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN] [Formaldehyde]. Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN] [Formaldehyde]. The substance is toxic to kidneys, the nervous system, liver. Repeated or prolonged exposure to the substance can produce target organs damage.
<b>Special Remarks on Toxicity to Animals</b>	Formaldehyde has caused cancer in test animals at high concentrations (5-15 ppm). (Formaldehyde)
<b>Special Remarks on Chronic Effects on Humans</b>	Can cause gastrointestinal disturbances. (1-Butanol)
<b>Special Remarks on Other Toxic Effects on Humans</b>	Exposure can cause nausea, headache and vomiting. (1-Butanol)
<b>Exposure Limits</b>	Not available.



0.113091%; Formaldehyde 0.136368%; 1-Butanol 22.655%; Benzene, dimethyl- 1.8%; Methanol 7.901%

CERCLA: Hazardous substances.: Acetic acid, 2-methylpropyl ester; Benzene, methyl-; N-Butyl Alcohol; 1-Butanol; Benzene, dimethyl-; 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: Irritating substance.  
Class: Target organ effects.

**Hazardous Material Information System (U.S.A.)**

<b>Health Hazard</b>	* 2
<b>Fire Hazard</b>	3
<b>Reactivity</b>	0
<b>Personal Protection</b>	H

**National Fire Protection Association (U.S.A.)**

<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 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.

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**Preparation Information**      **Validated by C.M. Kelly on  
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**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.*