



# SAFETY DATA SHEET

## SECTION 1 - Chemical Product and Company Information

Product Name: CARAMEL BROWN Product Code: PM2444

Manufactured by:  
**Gemini Coatings**  
 2300 Holloway Drive  
 El Reno, OK 73036  
 800-262-5710

**24- Hour Emergency (Spill, Leak, Exposure or Accident):**  
**INFOTRAC 800-535-5053**  
**Outside USA, Call Collect 1-352-323-3500**

**24- Hour Emergency HAZMAT Response and MSDS Help:**  
**EMI 800-510-8510**

Product Use: A protective and/or decorative finish or accompanying product (reference label or product data sheet for more information).

Not recommended for: Any other use not detailed on product data sheet or label.

## SECTION 2 - Hazards Identification

### GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Skin corrosive	3	Reversible adverse effects in dermal tissue, Draize score: >= 1.5 < 2.3
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Mutagen	1B	Known to produce heritable mutations in human germ cells Subcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Reproductive toxin	1A	Based on human evidence

### GHS Hazards

H225	Highly flammable liquid and vapour
H316	Causes mild skin irritation
H319	Causes serious eye irritation
H340	May cause genetic defects
H350	May cause cancer
H360	May damage fertility or the unborn child

### GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light/mixers/equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash any exposed skin thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required

P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	Get medical advice/attention
P370+P378	In case of fire: Use the NFPA Class B extinguisher for extinction
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool
P501	Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations.

Signal Word: **Danger**



### SECTION 3 - Composition/Information on Ingredients

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
ISOBUTYL ACETATE 110-19-0 50 to 60%	150 ppm TWA; 700 mg/m <sup>3</sup> TWA	150 ppm TWA	NIOSH: 150 ppm TWA; 700 mg/m <sup>3</sup> TWA
Propylene glycol monomethyl ether 107-98-2 10 to 20%		100 ppm STEL 50 ppm TWA	NIOSH: 100 ppm TWA; 360 mg/m <sup>3</sup> TWA 150 ppm STEL; 540 mg/m <sup>3</sup> STEL
ETHYL ACETATE 141-78-6 5 to 10%	400 ppm TWA; 1400 mg/m <sup>3</sup> TWA	400 ppm TWA	NIOSH: 400 ppm TWA; 1400 mg/m <sup>3</sup> TWA
Ethyl alcohol 64-17-5 5 to 10%	1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA	1000 ppm STEL	NIOSH: 1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA
2-BUTOXYETHANOL 111-76-2 1 to 5%	50 ppm TWA; 240 mg/m <sup>3</sup> TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m <sup>3</sup> TWA

### SECTION 4 - First Aid Measures

**Inhalation:**

Remove exposed individual to fresh air and assist breathing if necessary. Seek medical attention.

**Eye Contact:**

Flush eyes with lukewarm water for 15 minutes. Get medical attention if irritation continues.

**Skin:**

Remove contaminated clothing, wash area immediately with soap and water. See physician if irritation persists.

**Ingestion:**

Rinse mouth out immediately. DO NOT induce vomiting. Keep person warm and contact physician or poison control center immediately.

<b>SECTION 5 - Fire Fighting Measures</b>
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Alcohol Foam, CO2, Dry Chemical

Oxidation may produce Carbon monoxide and Carbon dioxide.

Use self-contained breathing apparatus and full protective clothing for indoor or large fires. Water may be used to cool containers.

Use the National Fire Protection Association Class B extinguisher.

<b>SECTION 6 - Accidental Release Measures</b>
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Stay upwind and away from spill or leak unless wearing appropriate protective equipment. Stop and/or contain discharge if it may be done safely. Keep all sources of ignition away. Ventilate area of spill. Use non-sparking tools for clean up. Cover with inert material to reduce fumes. Keep out of drains, sewer or waterways.

If large spill occurs, alert spill response teams. Contact fire authorities. Notify local health and pollution control agencies.

<b>SECTION 7- Handling and Storage</b>
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**Handling:**

Keep container closed when not in use.

**Storage:**

Do not store near heat or ignition sources.

<b>SECTION 8 - Exposure Controls/Personal Protection</b>
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Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
ISOBUTYL ACETATE 110-19-0	150 ppm TWA; 700 mg/m3 TWA	150 ppm TWA	NIOSH: 150 ppm TWA; 700 mg/m3 TWA
Propylene glycol monomethyl ether 107-98-2		100 ppm STEL 50 ppm TWA	NIOSH: 100 ppm TWA; 360 mg/m3 TWA 150 ppm STEL; 540 mg/m3 STEL
ETHYL ACETATE 141-78-6	400 ppm TWA; 1400 mg/m3 TWA	400 ppm TWA	NIOSH: 400 ppm TWA; 1400 mg/m3 TWA
Ethyl alcohol 64-17-5	1000 ppm TWA; 1900 mg/m3 TWA	1000 ppm STEL	NIOSH: 1000 ppm TWA; 1900 mg/m3 TWA
2-BUTOXYETHANOL 111-76-2	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m3 TWA

Use local exhaust as required to control vapor concentrations.  
Avoid prolonged or repeated breathing of vapors.

**Respiratory Protection:**

If exposure exceeds TLV or PELs, use NIOSH approved respirator to prevent overexposure.

**Skin Protection:**

Gloves recommended for prolonged skin contact.

**Eye Protection:**

Chemical splash goggles should be used when working with chemicals.

**Hygienic Practices**

Wash hands thoroughly before eating or using the restroom. Remove contaminated clothing immediately and do not

wear again until it has been properly laundered.

### SECTION 9 - Physical and Chemical Properties

<p>Vapor Density &gt;1 Boiling range: 77 - 168°C Freezing point: N/A Flammability: N/A Autoignition temperature: 230°C Relative Density: N/A Odor threshold: N/A SPECIFIC GRAVITY 0.8990 Partition coefficient (n- N/A octanol/water): Grams VOC less water: N/A % WT. VOLATILE (VOC) 88.9404 Lbs VOC/Gallon Solids 75.8823 SOLIDS VOL% 8.7745 SPREAD @ 1 MIL 140.7430 Appearance Colored Liquid Physical State Liquid Coating VOC (g/l) 797.8634 Coating VOC (Lb/Gl) 6.6583</p>	<p>Evaporation Rate N/A Melting point: N/A Flash point: 25°F,-4°C Explosive Limits: N/A Decomposition temperature: N/A Vapor Pressure N/A pH: N/A Solubility: N/A Viscosity: N/A  % VOLUME VOLATILE (VOC) 91.2255 % Pig. by wt. 1.5236 VOLATILE WT% 88.9404 DENSITY (Lb/Gal) 7.4862 HAPS (lbs/gl) 0.0000 Odor Alcohol-like Material VOC (g/l) 797.8634 Material VOC (Lb/Gl) 6.6583</p>
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### SECTION 10 - Stability and Reactivity

**Stability:** Stable under normal conditions.

**Materials to Avoid:** Strong oxidizing agents.

**Conditions to avoid:** Heat and ignition sources.

**Hazardous Decomposition:** Oxidation may produce Carbon monoxide and Carbon dioxide.  
Hazardous polymerization will not occur.

### SECTION 11 - Toxicological Information

#### Mixture Toxicity

Dermal Toxicity LD50: 3,536mg/kg  
Inhalation Toxicity LC50: 289mg/L

#### Component Toxicity

107-98-2 Propylene glycol monomethyl ether  
Oral LD50: 5,000 mg/kg (Rat) Dermal LD50: 13 g/kg (Rabbit) Inhalation LC50: 55 mg/L (Rat)  
111-76-2 2-BUTOXYETHANOL  
Oral LD50: 470 mg/kg (Rat) Dermal LD50: 99 mg/kg (Rabbit) Inhalation LC50: 450 ppm (Rat)

**Primary Routes of Entry:** Inhalation, Skin Contact, Eyes, Ingestion

Overexposure may aggravate pre-existing breathing, CNS and skin disorders.

#### Skin:

Skin contact can cause redness, dryness or rash. Prolonged contact can cause irritation, dry skin, cracks, and

dermatitis.

**Ingestion:**

Can cause vomiting, nausea, diarrhea, and gastrointestinal irritation.

**Inhalation:**

Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache possible unconsciousness and even asphyxiation. High vapor concentrations or prolonged breathing of lower concentrations may result in damage to the liver, kidneys, lungs and blood forming organs. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

**Eyes:**

Can cause irritation, redness, tearing and blurred vision.

**Carcinogenicity:** The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
64-17-5	Ethyl alcohol	5 to 10%	Ethyl alcohol: IARC: Human carcinogen OSHA: listed

**SECTION 12 - Ecological Information**

**Ecological Information:**

Uncontrolled release of the product may result in contamination of air, ground, waterways and/or sewers.

**Component Ecotoxicity**

Propylene glycol monomethyl ether	96 Hr LC50 Pimephales promelas: 20.8 g/L [static] 48 Hr EC50 Daphnia magna: 23300 mg/L
ETHYL ACETATE	96 Hr LC50 Pimephales promelas: 220 - 250 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 484 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 352 - 500 mg/L [semi-static] 48 Hr EC50 Daphnia magna: 560 mg/L [Static]
Ethyl alcohol	96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through] 48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]
2-BUTOXYETHANOL	96 Hr LC50 Lepomis macrochirus: 1490 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 2950 mg/L 48 Hr EC50 Daphnia magna: >1000 mg/L

**SECTION 13 - Disposal Considerations**

Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations. See Section 8 for information on exposure control and necessary personal protective equipment.

**SECTION 14 - Transportation Information**

Ship according to the Department of Transportation (DOT) 49 CFR regulations.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	LIMITED QUANTITY  Freight Class: 70			

**SECTION 15 - Regulatory Information**

**California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):**

This product contains the following listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

64-17-5 Ethyl alcohol

The following ingredients are listed in the TSCA Section 8(b) Inventory (Hydrated forms of chemical substances are exempt from the inventory as mixtures; the anhydrous chemical substances, however, are reportable for the Inventory):

- 111-76-2 2-BUTOXYETHANOL
- 64-17-5 Ethyl alcohol
- 141-78-6 ETHYL ACETATE
- 68038-41-5 Rosin, maleated, polymer with glycerol
- 107-98-2 Propylene glycol monomethyl ether
- 110-19-0 ISOBUTYL ACETATE

**US CAA Section 112 Hazardous Air Pollutants (HAPs) List**

- None

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical:**

- None

**Hazardous Material Information System (HMIS)**

<b>HEALTH</b>	<input type="text" value="2"/>	<b>HMIS &amp; NFPA Hazard Rating Legend</b> * = Chronic Health Hazard <b>0 = INSIGNIFICANT</b> <b>1 = SLIGHT</b> <b>2 = MODERATE</b> <b>3 = HIGH</b>
<b>FLAMMABILITY</b>	<input type="text" value="3"/>	
<b>PHYSICAL HAZARD</b>	<input type="text" value="0"/>	
<b>PERSONAL PROTECTION</b>	<input checked="" type="checkbox"/>	

**SECTION 16 - Disclaimer**

Date Prepared: 9/6/2016

Date revised: 2016-09-06

Reviewer Revision 2

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