

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **825-4537 CHEMGLAZE BROWN TAWNEY(C22187)**

Supplier - Manufacturer **Chemcraft International Inc.,**

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Code 825-4537
Synonym CHEMGLAZE BROWN TAWNEY(C22187)
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 ₅₀ /LD ₅₀	TLV/PEL
Heavy aliphatic solvent naphtha (petroleum)	64742-96-7	30-60	ORAL (LD50): Acute: 5001 mg/kg [Rat]. DERMAL (LD50): Acute: 5001 mg/kg [Rabbit].	Not available.
Ethylbenzene	100-41-4	0.1-1	ORAL (LD50): Acute: 3500 mg/kg [Rat]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].	ACGIH (Canada). TWA: 100 ppm STEL: 125 ppm
p-Methyltoluene	106-42-3	0.1-1	ORAL (LD50): Acute: 4100 mg/kg [Rat].	Not available.
Ferric oxide	1309-37-1	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

Physical State and Appearance Liquid.

Color Not available. **Odor** Not available. **Taste** Not available.

Molecular Weight Not applicable.

pH (1% soln/water) Not applicable.

Boiling Point The lowest known value is 185°C (365°F) (Solvent naphtha (petroleum), heavy aliph.).

Melting Point Not available.

Critical Temperature Not available.

Specific Gravity Weighted average: 1.05 (Water = 1)

Vapor Pressure The highest known value is 0.07 kPa (0.5 mmHg) (at 20°C) (Solvent naphtha (petroleum), heavy aliph.).

Vapor Density The highest known value is 5.34 (Air = 1) (Solvent naphtha (petroleum), heavy aliph.).

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

Section 4. Fire and Explosion Hazard

The Product is:	Combustible.
Fire Hazards in Presence of Various Substances	Flammable in presence of open flames, sparks and static discharge. Slightly flammable to flammable in presence of heat.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards	Container explosion may occur under fire conditions or when heated. Vapor may travel considerable distance to source of ignition and flash back. (Distillates (petroleum), hydrotreated light)
Flash Points	The lowest known value is Closed cup: 61.667°C (143°F). (Tagliabue.). (Solvent naphtha (petroleum), heavy aliph.)
Flammable Limits	The greatest known range is LOWER: 1.1% UPPER: 6% (Solvent naphtha (petroleum), heavy aliph.)
Auto-Ignition Temperature	Not available.
Products of Combustion	These products are carbon oxides (CO, CO ₂). Some metallic oxides.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Explosive in presence of open flames, sparks and static discharge.
Special Remarks on Explosion Hazards	Not available.

Section 5. Reactivity Data

Stability	The product is stable.
Decomposition products	Not available.
Conditions of Instability	Not available.
Incompatibility with various substances	Slightly reactive to reactive with oxidizing agents, reducing agents, combustible materials.
Corrosivity	Not available.
Special Remarks on Reactivity	MnO ₂ is a powerful oxidizer. (Manganese oxide (MnO ₂))
Special Remarks on Corrosivity	Not available.

Section 6. Toxicological Properties

Routes of Entry	Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 5001 mg/kg [Rat]. (Solvent naphtha (petroleum), heavy aliph.). Acute dermal toxicity (LD50): 5001 mg/kg [Rabbit]. (Solvent naphtha (petroleum), heavy aliph.). Acute toxicity of the dust (LC50): >6820 mg/m ³ 4 hour(s) [Rat]. (Titanium dioxide (TiO ₂)).
Effects of Acute Exposure	Very hazardous in case of skin contact (irritant). Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified 4 (Probably not for human.) by IARC, None. by OSHA [Solvent naphtha (petroleum), heavy aliph.]. Classified 4 (Probably not for human.) by IARC, None. by OSHA [Titanium dioxide (TiO ₂)]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [1-Butanol]. Classified A4 (Not classifiable for human or animal.) by ACGIH [Benzene, 1,3-dimethyl-]. Classified 4 (Probably not for human.) by IARC, None. by OSHA [Carbon Black]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.

The substance is toxic to kidneys, liver.
Repeated or prolonged exposure to the substance can produce target organs damage.
Not available.

Special Remarks on Toxicity to Animals

Special Remarks on Chronic Effects on Humans

Carbon black contains trace amounts absorbed polynuclear aromatic compounds (PAH), some of which have been found to be carcinogens in animal studies. Carbon black has not been shown to cause cancer in humans or animals. (Carbon Black)

Special Remarks on Other Toxic Effects on Humans

Material is irritating to mucous membranes and upper respiratory tract. (Distillates (petroleum), hydrotreated light)

Exposure Limits

Not available.

Section 7. Preventive Measures

Personal Protection

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

Personal Protection in Case of a Large Spill

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.

Engineering Controls

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.

Small Spill

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

Large Spill

Keep away from heat. Keep away from sources of ignition. Stop leak if without risk.

Waste Disposal

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

Precautions

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. Wear suitable protective clothing. 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 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).

TDG Classification

3

PIN

1263 PAINT

PG: II

Special Provisions for Transport

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: Benzene; Benzene, dimethyl-; Benzene, methyl-; Quartz (SiO₂); Isobutyl alcohol; Benzene, dimethyl-; 1-Propanol, 2-methyl-

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 (SiO₂); Isobutyl alcohol; 1-Propanol, 2-methyl-

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: Benzene; Quartz (SiO₂); Isobutyl alcohol; 1-Propanol, 2-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; Benzene, methyl-

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: Benzene; Isobutyl alcohol; 1-Propanol, 2-methyl-

Illinois toxic substances disclosure to employee act: Benzene, ethyl-

New York release reporting list: Acetic Acid, Butyl Ester; Benzene, 1,3-dimethyl-; Acetic Acid, Butyl Ester

New York acutely hazardous substances: Benzene, ethyl-

Rhode Island RTK hazardous substances: Benzene, ethyl-

Pennsylvania RTK: Acetic Acid, Butyl Ester; Acetic acid, 2-methylpropyl ester; Acetic acid, 2-methylpropyl ester; Acetic Acid, Butyl Ester

Florida: Acetic Acid, Butyl Ester; Benzene, ethyl-; Benzene, 1,3-dimethyl-; Acetic Acid, Butyl Ester

Minnesota: Acetic Acid, Butyl Ester; Benzene, ethyl-; Acetic Acid, Butyl Ester

Massachusetts RTK: Acetic Acid, Butyl Ester; Acetic acid, 2-methylpropyl ester; Benzene, ethyl-;

Benzene, 1,3-dimethyl-; Acetic acid, 2-methylpropyl ester; Acetic Acid, Butyl Ester

New Jersey: Acetic Acid, Butyl Ester; Acetic acid, 2-methylpropyl ester; Benzene, ethyl-; Acetic acid, 2-methylpropyl ester; Acetic Acid, Butyl Ester
 TSCA 8(b) inventory: Benzene, dimethyl-; Acetic Acid, Butyl Ester; Benzene, methyl-; Aluminum oxide (Al₂O₃); N-Butyl Alcohol; Acetic acid, 2-methylpropyl ester; Benzene, dimethyl-; Acetic acid, 2-methylpropyl ester; 1-Butanol; Acetic Acid, Butyl Ester
 TSCA 5(e) substance consent order: Acetic Acid, Butyl Ester; Acetic Acid, Butyl Ester
 TSCA 8(d) H and S data reporting: Benzene, ethyl-
 TSCA 12(b) annual export notification: Acetic Acid, Butyl Ester; Acetic Acid, Butyl Ester
 SARA 302/304/311/312 extremely hazardous substances: N-Butyl Alcohol; 1-Butanol
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Benzene, dimethyl-: Fire Hazard, Immediate (Acute) Health Hazard; Acetic Acid, Butyl Ester; Quartz (SiO₂): Delayed (Chronic) Health Hazard; Solvent naphtha (petroleum), light aliph.: Fire Hazard, Immediate (Acute) Health Hazard; Isobutyl alcohol: Fire Hazard, Immediate (Acute) Health Hazard; Acetic acid, 2-methylpropyl ester: Fire Hazard, Immediate (Acute) Health Hazard; Benzene, dimethyl-: Fire Hazard, Immediate (Acute) Health Hazard; 1-Propanol, 2-methyl-: Fire Hazard, Immediate (Acute) Health Hazard
 SARA 313 toxic chemical notification and release reporting: Benzene, methyl- 0.110015%; Manganese oxide (MnO₂) 0.328856%; Benzene, dimethyl- 0.614024%; 1-Butanol 0.110015%
 CERCLA: Hazardous substances.: Benzene, dimethyl-; Acetic Acid, Butyl Ester; Benzene, methyl-; N-Butyl Alcohol; Isobutyl alcohol; Acetic acid, 2-methylpropyl ester; Benzene, dimethyl-; Acetic acid, 2-methylpropyl ester; 1-Butanol; Acetic Acid, Butyl Ester; 1-Propanol, 2-methyl-;
 OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Regulations

Other Classifications

WHMIS (Canada) **Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).**
Class D-2A: Material causing other toxic effects (VERY TOXIC).

HCS (U.S.A.) Class: Target organ effects.
 Class: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).

Hazardous Material Information System (U.S.A.)	Health Hazard	* 2
	Fire Hazard	2
	Reactivity	0
	Personal Protection	H
National Fire Protection Association (U.S.A.)	Health	2
	Fire Hazard	2
	Reactivity	0
	Specific Hazard	

Section 8. First Aid Measures

Eye Contact	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.
Skin Contact	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.
Hazardous Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
Hazardous Inhalation	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.
Ingestion	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.
Hazardous Ingestion	Not available.

Section 9. Preparation Information

References	-Manufacturers Material Safety Data Sheets.
Other Special Considerations	Not available.
Related Information	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.
Preparation Information	Validated by C.M. Kelly on 11/27/2002. Verified by C.M. Kelly. Printed 3/20/2003.
Information Contact	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

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