

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **825-7209EASYWIPE 7200 - CINNAMON**

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

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Code 825-7209

Synonym EASYWIPE 7200 - CINNAMON

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
Light aromatic naphtha	64742-95-6	30 - 50	ORAL (LD50): Acute: 6960 mg/kg [Rat].	TWA: 25 ppm ACGIH (United States).
1,2,4-Trimethylbenzene	95-63-6	5 - 15	Not available.	TWA: 123 mg/m ³ TWA: 25 ppm CEIL: 35 ppm TWA: 125 mg/m ³ CEIL: 170 mg/m ³
Propylene glycol monomethyl ether	107-98-2	5 - 15	ORAL (LD50): Acute: 5660 mg/kg [Rat]. DERMAL (LD50): Acute: 13000 mg/kg [Rabbit].	ACGIH (United States). TWA: 100 ppm STEL: 150 ppm
Diacetone alcohol	123-42-2	5 - 15	ORAL (LD50): Acute: 4000 mg/kg [Rat]. 3959 mg/kg [Mouse]. DERMAL (LD50): Acute: 13600 mg/kg [Rabbit].	TWA: 50 ppm CEIL: 75 ppm ACGIH (United States). TWA: 240 mg/m ³ CEIL: 360 mg/m ³
Ligroine	8032-32-4	5 - 15	Not available.	TWA: 300 ppm ACGIH (United States). TWA: 1370 mg/m ³
Isobutyl alcohol	78-83-1	1 - 5	ORAL (LD50): Acute: 2500 mg/kg [Rat]. 3200 mg/kg [Mouse]. DERMAL (LD50): Acute: 4200 mg/kg [Rabbit].	ACGIH (United States, 1993). TWA: 50 ppm
Xylenes	1330-20-7	1 - 5	ORAL (LD50): Acute: 4300 mg/kg [Rat].	ACGIH (United States, 1992). TWA: 100 ppm STEL: 150 ppm TWA: 434 mg/m ³ STEL: 651 mg/m ³

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1-Butanol	71-36-3	1 - 5	ORAL (LD50): Acute: 2510 mg/kg [Rat]. 790 mg/kg [Rat]. DERMAL (LD50): Acute: 5300 mg/kg [Rabbit]. 3400 mg/kg [Rabbit]. VAPOR (LC50): Acute: 8000 mg/l 4 hour/hours [Rat].	TWA: 50 ppm CEIL: 50 ppm
Ethylbenzene	100-41-4	0.1 - 1	ORAL (LD50): Acute: 3500 mg/kg [Rat]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].	ACGIH (United States). TWA: 100 ppm STEL: 125 ppm NIOSH STEL: 125 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 93°C (199.4°F) (Ligroine). Weighted average: 144.91°C (292.8°F)
Melting Point	May start to solidify at -42.8°C (-45°F) based on data for: 2-Pentanone, 4-hydroxy-4-methyl-. Weighted average: -60.29°C (-76.5°F)
Critical Temperature	Not available.
Specific Gravity	0.9139 (Water = 1)
Vapor Pressure	The highest known value is 6 kPa (45 mm Hg) (at 20°C) (Ligroine). Weighted average: 1.36 kPa (10.2 mm Hg) (at 20°C)
Vapor Density	The highest known value is 4.14 (Air = 1) (1,2,4-Trimethylbenzene). Weighted average: 3.84 (Air = 1)
Volatility	Not available.
Odor Threshold	The lowest known value is 0.28 ppm (2-Pentanone, 4-hydroxy-4-methyl-) Weighted average: 0.5 ppm
Water/Oil Dist. Coeff.	The product is much more soluble in octanol.
Ionicity (in Water)	Not available.
Dispersion Properties	Not dispersible in cold water, hot water. See solubility in methanol, diethyl ether, n-octanol, acetone.
Solubility	Easily soluble in diethyl ether, n-octanol, acetone. Soluble in methanol. Insoluble in cold water, hot water.

Section 4. Fire and Explosion Hazard

The Product is:	Flammable.
Fire Hazards in Presence of Various Substances	Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
Fire Fighting Media and Instructions	SMALL FIRE: Use dry chemical powder. LARGE FIRE: Use water spray or fog. Cool containers with water jet in order to prevent pressure build-up, auto-ignition or explosion.
Special Remarks on Fire Hazards	Vapor may travel considerable distance to source of ignition and flash back. (Solvent naphtha (petroleum), light arom.)
Flash Points	The lowest known value is Closed cup: 9°C (48.2°F). (Tagliabue.). (Ligroine)
Flammable Limits	The greatest known range is Lower: 1.6% Upper: 13.8% (2-Propanol, 1-methoxy-)
Auto-Ignition Temperature	The lowest known value is 287°C (548.6°F) (2-Propanol, 1-methoxy-).

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Products of Combustion These products are carbon oxides (CO, CO₂).

Explosion Hazards in Presence of Various Substances Highly explosive in the presence of the following materials or conditions: 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 Highly reactive or incompatible with the following materials: oxidizing materials.
Reactive or incompatible with the following materials: reducing materials, organic materials, metals, acids and alkalis.
Non-reactive or compatible with the following materials: combustible materials and moisture.

Corrosivity Not available.

Special Remarks on Reactivity Incompatible with hydrogen fluoride. (Silica)

Special Remarks on Corrosivity Not available.

Section 6. Toxicological Properties

Routes of Entry Inhalation. Ingestion.

Toxicity to Animals 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): 8000 mg/l 4 hour/hours [Rat]. (1-Butanol).

Effects of Acute Exposure Very hazardous in case of ingestion. Hazardous in case of inhalation. Slightly hazardous in case of skin contact (permeator).

Chronic Effects on Humans Slightly hazardous in case of eye contact (irritant).
CARCINOGENIC EFFECTS: Classified 4 (Probably not for humans.) by IARC, None. by OSHA [2-Propanol, 1-methoxy-]. Classified A5 (Not suspected for humans.) by ACGIH, 4 (Probably not for humans.) by IARC, None. by OSHA [1-Butanol]. Classified 4 (Probably not for humans.) 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, the nervous system, liver.
Repeated or prolonged exposure to the substance can produce target organs damage.

Special Remarks on Toxicity to Animals In laboratory inhalation studies, birth defects, increased foetal lethality and delayed foetal development have been observed in offspring of female animals, exposed during pregnancy, with a threshold response level in the range of 545 ppm concentration in the air. (1-Propanol, 2-methoxy-, acetate)

Special Remarks on Chronic Effects on Humans Exposure can cause coughing, chest pains, difficulty in breathing. (2-Propanol, 1-methoxy-)

Special Remarks on Other Toxic Effects on Humans Material is irritating to mucous membranes and upper respiratory tract. Narcotic in high concentrations. (Solvent naphtha (petroleum), light arom.)

Exposure Limits Not available.

Section 7. Preventive Measures

Personal Protection	Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Impervious gloves.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. Self-contained breathing apparatus (SCBA) should be used to avoid inhalation of the product. Suggested protective clothing might not be adequate. 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 close to the workstation location.
Small Spill	Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container.
Large Spill	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 allow water to enter container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas. Dike if necessary. Call for assistance on disposal.
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. Keep away from incompatibles such as oxidizing agents, reducing agents, organic materials, acids, alkalis.
Storage	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).
TDG Classification	3
PIN	1263 Paint PG: II
Special Provisions for Transport	-
Federal and State Regulations	WARNING: This product contains chemical/chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.: Benzene, methyl-; Quartz (SiO ₂); Carbon Black WARNING: This product contains chemical/chemicals known to the state of California to cause reproductive harm (male).: Benzene WARNING: This product contains chemical/chemicals known to the state of California to cause birth defects or other reproductive harm.: Benzene, methyl-; Benzene WARNING: This product contains chemical/chemicals known to the state of California to cause cancer.: Benzene; Quartz (SiO ₂); Carbon Black Illinois toxic substances disclosure to employee act: Benzene, ethyl- New York release reporting list: Methanol; Acetic Acid, Butyl Ester; Acetic Acid, Butyl Ester New York acutely hazardous substances: Benzene, ethyl- Rhode Island RTK hazardous substances: Benzene, ethyl-; Methanol Pennsylvania RTK: Benzene, methyl-; Benzene, dimethyl-; 1,2,4-Trimethylbenzene; Benzene, ethyl-; 1,2-Propanediol; Methanol: (environmental hazard); Acetic Acid, Butyl Ester; 2-Propanol, 1-methoxy-; Acetic acid, 2-methylpropyl ester; Acetic Acid, Butyl Ester Florida: Benzene, ethyl-; Methanol; Acetic Acid, Butyl Ester; Acetic Acid, Butyl Ester Minnesota: Benzene, ethyl-; Methanol; Acetic Acid, Butyl Ester; Acetic Acid, Butyl Ester Massachusetts RTK: Benzene, ethyl-; Methanol; Acetic Acid, Butyl Ester; 2-Propanol, 1-methoxy-; Acetic acid, 2-methylpropyl ester; Acetic Acid, Butyl Ester New Jersey: Benzene, methyl-; 1,2,4-Trimethylbenzene; Benzene, ethyl-; Methanol; Acetic Acid, Butyl Ester; 2-Propanol, 1-methoxy-; Acetic acid, 2-methylpropyl ester; Acetic Acid, Butyl Ester TSCA 8(b) inventory: Benzene, methyl-; N-Butyl Alcohol; Benzene, dimethyl-; Benzene, ethyl-; Acetic Acid, Butyl Ester; 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 311/312 MSDS distribution - chemical inventory - hazard identification: 1-Propanol, 2-methyl-: Fire hazard, Delayed (chronic) health hazard; Benzene, dimethyl-: Fire hazard,

Immediate (acute) health hazard, Delayed (chronic) health hazard
CERCLA: Hazardous substances.: 1-Propanol, 2-methyl-; Benzene, methyl-: 1000 lbs. (453.6 kg); N-Butyl Alcohol; Benzene, ethyl-: 1000 lbs. (453.6 kg); Benzene, dimethyl-: 100 lbs. (45.36 kg); Isobutyl alcohol; Methanol; Acetic Acid, Butyl Ester; Acetic acid, 2-methylpropyl ester; 1-Butanol; Acetic Acid, Butyl Ester;

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

Other Classifications **WHMIS (Canada)** **Class B-2: Flammable liquid**
Class D-2A: Material causing other toxic effects (Very toxic).
Class D-2B: Material causing other toxic effects (Toxic).
HCS (U.S.A.) Contains material which may cause cancer
Target organ effects

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

Health Hazard	* 2
Fire Hazard	3
Reactivity	0
Personal Protection	G

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

Health	2
Fire Hazard	3
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 Wash with soap and water. Get medical attention if irritation develops.

Hazardous Skin Contact Not available.

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 Move 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 if the tissues are damaged, a possible indication that 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 L. Goode on 1/2/2008.
Verified by L. Goode.
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CINNAMON**

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