

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **546-7194 RLS 774 CHEMTONE CINNAMON (C31464)**

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

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Code 546-7194
Synonym RLS 774 CHEMTONE CINNAMON (C31464)
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 |
|-----------------------------------------------|----------|-------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Toluene | 108-88-3 | 7.4501 | ORAL (LD50): Acute: 2600 mg/kg [Rat.]. DERMAL (LD50): Acute: 12210 mg/kg [Rabbit]. | ACGIH (Canada, 1993). TWA: 50 ppm TWA: 188 mg/m ³ |
| Ethylbenzene | 100-41-4 | 3.2222 | ORAL (LD50): Acute: 3500 mg/kg [Rat.]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit]. | ACGIH (Canada). TWA: 100 ppm STEL: 125 ppm |
| m-Methyltoluene | 108-38-3 | 8.1502 | ORAL (LD50): Acute: 6750 mg/kg [Rat.]. DERMAL (LD50): Acute: 12400 mg/kg [Rabbit]. | Not available. |
| o-Methyltoluene | 95-47-6 | 3.7908 | ORAL (LD50): Acute: 3600 mg/kg [Rat.]. | Not available. |
| p-Methyltoluene | 106-42-3 | 3.7908 | ORAL (LD50): Acute: 4100 mg/kg [Rat.]. | Not available. |
| Ethyl alcohol | 64-17-5 | 6.7145 | ORAL (LD50): Acute: 7060 mg/kg [Rat.]. | OSHA (Canada). TWA: 1000 ppm ACGIH (Canada). TWA: 1000 ppm |
| Ethyl Acetate | 141-78-6 | 7.4233 | ORAL (LD50): Acute: 5600 mg/kg [Rat.]. | OSHA (Canada). TWA: 400 ACGIH (Canada). TWA: 400 ppm |
| Methyl isobutyl ketone | 108-10-1 | 3.9707 | ORAL (LD50): Acute: 21000 mg/kg [Rat.]. 2850 mg/kg [Mouse]. DERMAL (LD50): Acute: 20001 mg/kg [Rabbit]. | ACGIH (Canada, 1994). TWA: 50 ppm STEL: 75 ppm TWA: 205 mg/m ³ STEL: 307 mg/m ³ |
| Methyl ethyl ketone | 78-93-3 | 20.862 | ORAL (LD50): Acute: 3400 mg/kg [Rat.]. DERMAL (LD50): Acute: 13000 mg/kg [Rabbit]. | ACGIH (Canada, 1993). TWA: 590 mg/m ³ STEL: 585 mg/m ³ CEIL: 885 mg/m ³ |
| Potential additional emission of formaldehyde | 50-00-0* | 0.12329 | ORAL (LD50): Acute: 100 mg/kg [Rat.]. DERMAL (LD50): Acute: 270 mg/kg [Rabbit]. | OSHA (Canada). STEL: 2 ppm TWA: 0.75 ppm |

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| Isobutyl acetate | 110-19-0 | 1.494 | ORAL (LD50): Acute: 4763 mg/kg [Rabbit.]. 3200 mg/kg [Rat]. | Not available. |
| Acetone | 67-64-1 | 17.372 | ORAL (LD50): Acute: 5800 mg/kg [Rat]. DERMAL (LD50): Acute: 20000 mg/kg [Rabbit.]. | ACGIH (Canada, 1997). TWA: 500 ppm STEL: 750 ppm TWA: 1188 mg/m ³ STEL: 1782 mg/m ³ |
| Methyl alcohol | 67-56-1 | 4.9634 | ORAL (LD50): Acute: 6200 mg/kg [Rat.]. 5600 mg/kg [Rat]. DERMAL (LD50): Acute: 15800 mg/kg [Rabbit.]. | OSHA (Canada). TWA: 200 ppm ACGIH (Canada, 2000). TWA: 200 ppm STEL: 250 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

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| 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 56.2°C (133.2°F) (2-Propanone). Weighted average: 91.58°C (196.8°F) |
| Melting Point | May start to solidify at 13.3°C (55.9°F) based on data for: Benzene, 1,4-dimethyl-. Weighted average: -80.98°C (-113.8°F) |
| Critical Temperature | Not available. |
| Specific Gravity | Weighted average: 0.85 (Water = 1) |
| Vapor Pressure | The highest known value is 24.8 kPa (186.2 mmHg) (at 20°C) (2-Propanone). Weighted average: 9.69 kPa (72.68 mmHg) (at 20°C) |
| Vapor Density | The highest known value is 4 (Air = 1) (Acetic acid, 2-methylpropyl ester). Weighted average: 2.68 (Air = 1) |
| Volatility | Not available. |
| Odor Threshold | The lowest known value is 0.1 ppm (2-Pentanone, 4-methyl-) Weighted average: 20.42 ppm |
| Water/Oil Dist. Coeff. | The product is much more soluble in octanol. |
| Ionicity (in Water) | Not available. |
| Dispersion Properties | Very slightly dispersed in methanol, diethyl ether. Is not dispersed in cold water, hot water, n-octanol. See solubility in methanol, diethyl ether, n-octanol, acetone. |
| Solubility | Easily soluble in methanol, diethyl ether, acetone. Soluble in n-octanol. Insoluble in cold water, hot water. |

Section 4. Fire and Explosion Hazard

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| The Product is: | Flammable. |
| Fire Hazards in Presence of Various Substances | Extremely flammable in presence of open flames, sparks and static discharge. Flammable in presence of heat. |
| Fire Fighting Media and Instructions | 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. |
| Special Remarks on Fire Hazards | Explosive in the form of vapor when exposed to heat or flame. Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits acrid smoke and irritating fumes. (Benzene, 1,3-dimethyl-) |
| Flash Points | The lowest known value is Closed cup: -18°C (-0.4°F). (T.C.C.). (2-Propanone) |
| Flammable Limits | The greatest known range is LOWER: 6% UPPER: 36.5% (Methanol) |
| Auto-Ignition Temperature | The lowest known value is 422°C (791.6°F) (Ethanol). |
| Products of Combustion | These products are carbon oxides (CO, CO ₂). |

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| Explosion Hazards in Presence of Various Substances | Risks of explosion of the product in presence of mechanical impact: Not available. Extremely explosive in presence of open flames, sparks and static discharge. |
| Special Remarks on Explosion Hazards | Not available. |

Section 5. Reactivity Data

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| Stability | The product is stable. |
| Decomposition products | Not available. |
| Conditions of Instability | Not available. |
| Incompatibility with various substances | Reactive with oxidizing agents. Slightly reactive to reactive with acids, alkalis. |
| Corrosivity | Not available. |
| Special Remarks on Reactivity | Not available. |
| Special Remarks on Corrosivity | Not available. |

Section 6. Toxicological Properties

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| Routes of Entry | Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion. |
| Toxicity to Animals | Acute oral toxicity (LD50): 2600 mg/kg [Rat]. (Benzene, methyl-). Acute dermal toxicity (LD50): 5000 mg/kg [Rabbit]. (Benzene, ethyl-). Acute toxicity of the gas (LC50): 2000 ppm 4 hour(s) [Rat]. (2-Butanone). Acute toxicity of the vapor (LC50): 3500 ppm 4 hour(s) [Rat]. (Acetic acid, 2-methylpropyl ester). |
| Effects of Acute Exposure | Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Hazardous in case of skin contact (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. |
| Chronic Effects on Humans | CARCINOGENIC EFFECTS: Classified A4 (Not classifiable for human or animal.) by ACGIH [Benzene, 1,3-dimethyl-]. Classified A4 (Not classifiable for human or animal.) by ACGIH [Ethanol]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Acetic Acid, Ethyl Ester]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [2-Butanone]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [2-Propanol, 2-methyl-]. Classified A2 (Suspected for human.) by ACGIH, 2A (Probable for human.) by IARC [Formaldehyde]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [2-Propanone]. Classified D (Not classifiable for human or animal.) by EPA [2-Propanone]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [Methanol]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Classified None. for human [2-Propanone]. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN] [Ethanol]. Classified Reproductive system/toxin/female, Reproductive system/toxin/male [PROVEN] [Formaldehyde]. The substance is toxic to blood, kidneys, lungs, the nervous system, the reproductive system, liver. Repeated or prolonged exposure to the substance can produce target organs damage. |
| Special Remarks on Toxicity to Animals | Formaldehyde has caused cancer in test animals at high concentrations (5-15 ppm). (Formaldehyde) |
| Special Remarks on Chronic Effects on Humans | 0347 Animal: embryotoxic, foetotoxic, passes through the placental barrier. 0900 Detected in maternal milk in human. Narcotic effect; may cause nervous system disturbances. (Benzene, 1,3-dimethyl-) |
| Special Remarks on Other Toxic Effects on Humans | Material is irritating to mucous membranes and upper respiratory tract. (2-Propanone) |
| Exposure Limits | Not available. |

SARA 302/304/311/312 hazardous chemicals: Methanol
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Benzene, dimethyl-: Fire Hazard, Immediate (Acute) Health Hazard; Acetic Acid, Ethyl Ester: Fire Hazard, Immediate (Acute) Health Hazard; Methyl ethyl ketone: 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; 1-Propanol, 2-methyl-: Fire Hazard, Immediate (Acute) Health Hazard; Acetic Acid, Butyl Ester

SARA 313 toxic chemical notification and release reporting: Benzene, methyl- 7.45005%; Benzene, dimethyl- 18.9539%; 2-Pentanone, 4-methyl- 3.97072%; Methyl ethyl ketone 20.8622%; 2-Propanol, 2-methyl- 0.140961%; 2-Propanone 17.3719%; Methanol 4.9634%

CERCLA: Hazardous substances.: Benzene, methyl-; Benzene, dimethyl-; Acetic Acid, Ethyl Ester; 2-Pentanone, 4-methyl-; Methyl ethyl ketone; Isobutyl alcohol; Acetic acid, 2-methylpropyl ester; 2-Propanone; Methanol; 1-Propanol, 2-methyl-; Acetic Acid, Butyl Ester; 1-Butanol; Acetic acid, 2-methylpropyl ester;

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.

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| Hazardous Material Information System (U.S.A.) | Health Hazard | * | 2 |
| | Fire Hazard | | 3 |
| | Reactivity | | 0 |
| | Personal Protection | | H |
| National Fire Protection Association (U.S.A.) | Health | | 2 |
| | Fire Hazard | | 3 |
| | Reactivity | | 0 |
| | Specific Hazard | | |

Section 8. First Aid Measures

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| 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 immediately. |
| 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 immediate medical attention. |
| Inhalation | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |
| 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. WARNING: 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. |
| 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

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| 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 8/23/2002. Verified by C.M. Kelly. Printed 6/5/2003. |
| 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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