

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Identifier:</b>	ECP-TC (A)
<b>Other means of identification:</b>	None
<b>Recommended use:</b>	Polyaspartic resin
<b>Manufactured by:</b>	Elite Coatings Canada Inc. 9805 Horton Road SW Calgary, AB T2V 2X5 Canada
<b>Email:</b>	<a href="mailto:info@elitecoatings.ca">info@elitecoatings.ca</a>
<b>Prepared by:</b>	The Health, Safety and Environmental Department of Elite Coatings Canada Inc.
<b>Telephone number of preparer:</b>	+1 (403) 397 6355
<b>Emergency telephone number:</b>	<b>24-Hour Emergency Telephone Number Canada (CANUTEC): +1 (613) 996-6666</b>

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification of hazardous product

- Skin Sensitization (Category 1)
- Serious eye damage/irritation (Category 2A)

### GHS Label Elements

#### Hazard Pictograms/symbols



**Signal Word:** WARNING

#### Hazard and Precautionary Statements:

- **H317** May cause an allergic skin reaction
- **H319** Causes serious eye irritation

**P261** Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. **P272** Contaminated work clothing must not be allowed out of the workplace. **P280** Wear eye protection/face protection/ and protective gloves. **P264** Wash hands thoroughly after handling. **P302 + P352 IF ON SKIN:** Wash with plenty of water. **P333 + P313** If skin irritation or rash occurs: Get medical advice/attention. **P362 + P364** Take off contaminated clothing and wash before reuse. **P305 + P351 + P338 IF IN EYES:**

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Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **P337 + P313** If eye irritation persists: Get medical advice/attention. **P501** Dispose of contents/container into safe container in accordance with local, regional or national regulations.

**Other Hazards Known:** None known

### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration (%)
Aspartic ester	136210-32-7	25 – 50 %
Aspartic ester	136210-30-5	25 – 50 %
4-methyl-1,3-dioxolane-2-one	108-32-7	1 – 10 %

### SECTION 4. FIRST AID MEASURES

<b>Inhalation</b>	IF INHALED: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if irritation develops.
<b>Ingestion</b>	IF SWALLOWED: Do not induce vomiting unless directed to do so by medical personnel. Give two glasses of water for dilution. Call a physician immediately. Never give anything by mouth to an unconscious person.
<b>Skin Contact</b>	IF ON SKIN: Wash affected areas with soap and water. Immediately remove contaminate clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.
<b>Eye Contact</b>	IF IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists call a POISON CENTER or doctor/physician.

#### Most important symptoms and effects (acute and delayed)

May cause allergic skin reaction with symptoms of reddening, itching, swelling, and rash. May cause skin irritation with symptoms of reddening, itching, and swelling. May cause eye irritation with symptoms of reddening, tearing, stinging, and swelling. May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.

#### Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

#### General Information

If exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure the medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

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## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing media

- **Suitable extinguishing media:** In case of fire: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>)
- **Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this might spread the fire.

**Specific hazards arising from the hazardous product:** Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Hazardous decomposition products by fire and thermal decomposition: Carbon oxides, nitrogen oxides (NO<sub>x</sub>), amines, other aliphatic fragments which have not been determined. Ammonia gas may be liberated at high temperatures.

**Special protective equipment and precautions for fire-fighting:** Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Isolate area. Keep unnecessary and unprotected personnel away. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillage cannot be contained. For personal protection, see section 8 of the SDS.

### Methods and materials for containment and cleaning up

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

### Environmental Precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid use of electric band heaters. Avoid release to the environment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flames. Store in cool and dry, under well-ventilated conditions. Store away from incompatible materials (see Section 10 of the SDS). Keep container closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning.

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## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control Parameters (biological limit values or exposure limit values and source of those values)

Exposure limits:

CAS 136210-32-7	No exposure limits noted for the ingredient(s)
CAS 136210-30-5	No exposure limits noted for the ingredient(s)
CAS 108-32-7	No exposure limits noted for the ingredient(s)

### Engineering Controls

General dilution and local exhaust ventilation as necessary to control airborne vapors, aerosols (e.g. dusts, mists) and thermal decomposition products. Heating may result in generation of airborne vapors and/or aerosols.

### Personal Protective Equipment

Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator. Wear appropriate chemical resistant protective gloves. Wear tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists. Wear appropriate protective clothing. When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Eyewash fountains and safety showers are recommended in the work area.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State/ Appearance/ Color:</b>	Transparent liquid, Light yellow	<b>Vapour Pressure:</b>	Not available
<b>Odour:</b>	Odorless to mild	<b>Vapour Density:</b>	Not available
<b>Odour threshold:</b>	Not available	<b>Relative Density:</b>	1.069 (g/ml)
<b>pH:</b>	Not available	<b>Solubility:</b>	Insoluble in water
<b>Melting/freezing point:</b>	Not available	<b>Partition coefficient-n-octanol/water:</b>	Not available
<b>Initial boiling point/range:</b>	Not available	<b>Auto-ignition temperature:</b>	Not available
<b>Flash point:</b>	> 100 °C	<b>Decomposition temperature:</b>	Not available
<b>Evaporation rate:</b>	Not available	<b>Viscosity:</b>	500 – 600 cps
<b>Flammability (solids and gases):</b>	Not available	<b>VOC:</b>	< 40.0 g/l

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Upper and lower flammability/explosive limits	Not available	Other:	None known
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## SECTION 10. STABILITY AND REACTIVITY

**Reactivity:** This product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical Stability:** This product is stable under normal conditions.

**Possibility of hazardous reactions:** Hazardous polymerisation does not occur.

**Conditions to Avoid:** Avoid extreme heat. Avoid sources of ignition. Avoid unintended contact with isocyanates.

**Incompatible materials:** Carbon oxides, nitrogen oxides (NO<sub>x</sub>), amines, other aliphatic fragments which have not been determined. Ammonia gas may be liberated at high temperatures.

**Hazardous decomposition products:** Carbon dioxide.

## SECTION 11. TOXICOLOGICAL INFORMATION

**Likely routes of exposure (inhalation, ingestion, skin and eye contact):**

Skin contact. Eye contact. Inhalation. Ingestion.

**Symptoms related to the physical, chemical and toxicological characteristics:**

May cause allergic skin reaction with symptoms of reddening, itching, swelling, and rash. May cause skin irritation with symptoms of reddening, itching, and swelling. May cause eye irritation with symptoms of reddening, tearing, stinging, and swelling. May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.

**Delayed and immediate effects ( chronic effects from short- term and long-term exposure):**

- **Skin Sensitization** – Sensitization after skin contact possible;
- **Respiratory Sensitization** – No data available;
- **Germ Cell Mutagenicity** – No data available;
- **Carcinogenicity** – No ingredient listed by IARC, ACGIH, NTP or OSHA;
- **Reproductive Toxicity** – No data available;
- **Specific Target Organ Toxicity – Single Exposure** – No data available;
- **Specific Target Organ Toxicity – Repeated Exposure** – No data available;
- **Aspiration Hazard** – No data available;
- **Health Hazards Not Otherwise Classified** – No data available.

**Numerical measures of toxicity (ATE; LD<sub>50</sub> & LC<sub>50</sub>):**

CAS 136210-32-7	LD <sub>50</sub> , Oral – Rat >2000 mg/kg LD <sub>50</sub> , Dermal – Rat >2000 mg/kg LC <sub>50</sub> , Inhalation – Rat (aerosol) >4.224 mg/L, 4hr
CAS 136210-30-5	LD <sub>50</sub> , Oral – Rat >2000 mg/kg LD <sub>50</sub> , Dermal – Rat >2000 mg/kg LC <sub>50</sub> , Inhalation – Rat (dust/mist) >4.224 mg/L, 4hr

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CAS 108-32-7	LD <sub>50</sub> , Oral – Rat >5000 mg/kg LD <sub>50</sub> , Dermal – Rabbit >2000 mg/kg
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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity (aquatic and terrestrial information):

Not considered hazardous to the aquatic environment.

Product	Species	Result
CAS 136210-32-7	EC <sub>50</sub> scenedesmus subspicatus	113 mg/l - 72 h
CAS 136210-30-5	LC <sub>50</sub> Danio rerio (zebra fish) IC <sub>50</sub> scenedesmus subspicatus EC <sub>50</sub> Daphnia magna (water flea)	66 mg/l – 96 h 113 mg/l – 72 h 88.6 mg/l – 48 h
CAS 108-32-7	LC <sub>50</sub> cyprinus carpio EC <sub>50</sub> Daphnia magna (water flea)	> 1000 mg/l – 96 h > 1000 mg/l – 48 h

**Persistence and degradability:** Not enough data available.

**Bioaccumulative potential:** Not enough data available.

**Mobility in soil:** Not enough data available.

**Other adverse effects:** No data available.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Information on safe handling for disposal/methods of disposal/contaminated packaging:** Dispose of contents/container into safe container in accordance with local, regional or national regulations. Do not reuse empty container without proper cleaning. Do not heat or cut container with electric or gas torch.

## SECTION 14. TRANSPORT INFORMATION

### UN Number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations:

Not classified as a dangerous good under transport regulations.

### UN Number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime):

Not classified as a dangerous good under transport regulations.

### UN Number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air):

Not classified as a dangerous good under transport regulations.

**Special Precautions (transport/conveyance):** None known.

**Environmental hazards (IMDG or other):** None known.

**Bulk transport (usually more than 450L in capacity):** Possible

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## SECTION 15. REGULATORY INFORMATION

**Safety/health Canadian regulations specifics:** Refer to section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

**Environmental Canadian regulations specifics:** Refer to section 3 for ingredient(s) of the DSL.

**Safety/health/environmental outside regulations specifics:** None

## SECTION 16. OTHER INFORMATION

**Disclaimer: NOTICE TO READER:**

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\*\*\*END OF S.D.S.\*\*\*

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