

SAFETY DATA SHEET

Product Name: RESINATE PRO RESIN (PART A)

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RESINATE PRO RESIN (PART A) **MANUFACTURER:** PSC Polymer Science Corporation
SYNONYMS: Aspartic Ester **ADDRESS:** #1133, 6027 – 79 Avenue S.E., Calgary, Alberta, Canada T2C 5P1
PRODUCT USE / CLASS: Coating **TELEPHONE:** (403) 287 - 2751 **FAX:** (403) 287-2766
Web: www.polymersciencecorp.com
IN CASE OF AN EMERGENCY CALL: CANUTEC: (613) 996-6666 (24 hours)

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

POLYASPARTIC / RESIN HAZARDOUS INGREDIENTS	C.A.S.#	WEIGHT %
Aspartic Ester	136210-30-5	20-100
Aspartic Ester	136210-32-7	20-100

SECTION 3: HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE CONTACT: May cause irritation
SKIN CONTACT: May cause irritation. Potential sensitizer
INHALATION: Inhalation is improbable, if inhaled, it may cause irritation of the respiratory tract
INGESTION: Harmful if swallowed
GENERAL: Chronic exposure may cause irritation and allergic reactions

WHMIS Symbols



SECTION 4: FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water for at least 15 minutes. Get medical attention, if irritation persists.
SKIN CONTACT: Wash with soap and water, remove contaminated clothing. Do not use solvents or thinners to clean skin. Get medical attention if irritation persists.
INHALATION: Should symptoms develop, remove victim to fresh air. If breathing is difficult, qualified personnel may administer oxygen. If victim is not breathing start artificial respiration. Get medical attention.
INGESTION: Give liquids if victim is conscious. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed by a physician. Get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT:	Approx. 98	LOWER EXPLOSIVE LIMIT:	N/A
FLASH POINT METHOD:	DIN EN 22719	UPPER EXPLOSIVE LIMIT:	N/A
OSHA FLAMMABILITY CLASSIFICATION:	N/A	AUTOIGNITION TEMPERATURE:	345
EXTINGUISHING MEDIA:	Use water fog, foam, dry chemical or CO ₂		
FIRE FIGHTING PROCEDURES:	Wear self-contained positive pressure breathing apparatus, (MSHA / NIOSH approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat. Cool with water spray.		

SECTION 6: ACCIDENTAL RELEASE MEASURES

Use personal protective equipment as described in Section 8. Absorb spills with inert material and place in a chemical waste container. Prevent runoff into drains and waterways. Ventilate area, keep unauthorized people away. Obey relevant local, state, provincial, and federal laws and regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING: Avoid all personal contact and breathing vapours. Keep container closed when not in use. Use personal protective equipment as described in Section 8. Use adequate ventilation. For industrial use only. Wash thoroughly after handling.
STORAGE: Keep away from heat and in a dry place. Material may absorb moisture from the air. Keep containers tightly closed.

SECTION 8: PERSONAL PROTECTION

EXPOSURE LIMITS:	VALUE	LIMIT	REFERENCE
Aspartic Ester.	N/A	TWA STEL	OSHA / ACGIH OSHA / ACGIH
ENGINEERING CONTROLS:	Use adequate ventilation		
RESPIRATORY PROTECTION:	Respiratory protection meeting OSHA 1910.134 and ANSI Z88.2 or applicable federal / provincial requirements must be followed whenever workplace conditions warrant a respirator use, for example spraying, or using the product in conditions of limited ventilation.		
EYE PROTECTION:	Use chemical splash goggles or full face protection if splash hazard		
SKIN PROTECTION:	Use impermeable chemical gloves like butyl rubber or nitrile rubber		
OTHER PROTECTIVE EQUIPMENT:	Wear protective apron if splashing or repeated contact is likely, safety boots, have eye bath and safety shower near. Wash hands before eating.		

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE:	7 mbar @ 20° C	VISCOSITY:	1500 cP
VAPOR DENSITY:	N/A	VOC CONTENT (lbs / gal)	0.0
BOILING POINT:	Approx. 170	EVAPORATION RATE:	Not available
pH:	N/A	SOLUBILITY IN WATER:	Negligible
SPECIFIC GRAVITY:	1.07 g/cm ³	OTHER PROPERTIES:	Clear, slightly yellow liquid

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions
HAZARDOUS POLYMERIZATION:	Will not occur under normal conditions
CONDITIONS TO AVOID:	High temperatures
INCOMPATIBILITY WITH OTHER MATERIALS:	Oxidizing materials, isocyanates.

SECTION 11: TOXICOLOGICAL PROPERTIES

CHEMICAL NAME	ORAL LD 50	DERMAL LD 50	INHALATION LC 50
Aspartic Ester	2100 mg/kg (rat)	N/A	4250 mg/m3 (rat)

SECTION 12: ECOLOGICAL INFORMATION

Not readily biodegradable,

SECTION 13: DISPOSAL CONSIDERATIONS

Follow all MSDS / label precautions even after container is emptied because it may retain product residue. Empty containers and waste must be disposed in accordance with federal, state, provincial, and local regulations.

SECTION 14: TRANSPORTATION INFORMATION

TECHNICAL SHIPPING NAME:	Aspartic Ester
HAZARD CLASS OR DIVISION:	Not regulated
TDG:	
CLASSIFICATION:	

SECTION 15: REGULATORY INFORMATION

CANADIAN WHMIS CLASSIFICATION: Class D Division 2 Subdivision B (Toxic Material)

SECTION 16: OTHER INFORMATION

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