



Material Safety Data Sheet

WHMIS 	Protective Clothing 	TDG Road/Rail 
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Section I. Product Identification and Uses

Common/Trade name	RIV-321 RESITAK 321	CI#	Not applicable.
Synonyms	Not available.	DSL	CEPA DSL: No products were found.
Chemical name	Not applicable.	CAS#	Mixture.
Chemical formula	Not applicable.	Code	RIV 321
Chemical family	Aliphatic chlorinated solvent. (Solvent.)	Molecular weight	Not applicable.
Supplier	Adhpro Adhesives inc. 1650 Industrial Boulevard Magog, Quebec, J1X 4V9 Tel. (819) 847-2269 Fax. (819) 847-4990	Manufacturer	Adhpro Adhesives inc. 1650 Industrial Boulevard Magog, Quebec, J1X 4V9 Tel. (819) 847-2269 Fax. (819) 847-4990
Material uses	Coatings: Dope. Paint. Industrial applications: Manufacture of resins. Paper industry: Sizing.		

Section IA. First Aid Measures

Eye contact	Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. Get medical attention immediately.
Skin contact	Wash with soap and water. Get medical attention if irritation develops. COLD water may be used.
Hazardous skin contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
Slight 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.
Slight ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Hazardous ingestion	Not available.

Section II. Hazardous Ingredients

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Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
1) 93784-03	71-55-6	10	Not available.	ORAL (LD50): Acute: 10300 mg/kg [Rat.]. 15800 mg/kg [Rabbit]. DERMAL (LD50): Acute: 15800 mg/kg [Rabbit].

Section III. Physical Data

Physical state and appearance	Liquid.	Odor	Chloroform. (Slight.)
pH (1% soln/water)	4 to 6 [Acidic.]	Taste	Not available.
Odor threshold	Not available.	Color	White. (Light.)
Volatility	48 to 52% (w/w).		
Melting/Sublimation point	May start to solidify at -32.5°C (-26.5°F) based on data for: 93784-03.		
Boiling/Condensation point	100°C (212°F)		
Specific gravity	1.08 (Water = 1)		
Vapor density	The highest known value is 4.63 (Air = 1) (93784-03).		
Vapor pressure	The highest known value is 13.3 kPa (@ 20°C) (93784-03).		
Evaporation rate	Not available.		
Viscosity	Not available.		
Water/oil dist. coeff.	The product is much more soluble in water.		
Ionicity (surface active agent)	Not available.		
Critical temperature	Not available.		
Instability temperature	Not available.		
Conditions of instability	Not available.		
Dispersion properties	See solubility in water, methanol, diethyl ether.		
Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether. Insoluble in n-octanol.		

Section IV. Fire and Explosion Data

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The product is:	Non-flammable.
Auto-ignition temperature	Not applicable.
Fire degradation products	Not applicable.
Flash points	Not applicable.
Flammable limits	Not applicable.
Fire extinguishing procedures	Not applicable.
Flammability	Not applicable.
	Remark Not available.
Risks of explosion	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
	Remark Not available.

Section V. Reactivity Data

Stability	The product is stable.
Hazardous decomp. products	These products are halogenated compounds.
Degradability	Not available.
Products of degradation	These products are carbon oxides (CO, CO ₂) and water, halogenated compounds. The products of degradation are more toxic than the product itself.
	Remark Not available.
Corrosivity	Non-corrosive in presence of steel, of aluminum, of zinc, of copper.
	Remark Not available.
Reactivity	Not available.
	Remark Reacts with sodium, potassium and their alloys. (93784-03)

Section VI. Toxicological Properties

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Routes of entry	Dermal contact. Eye contact. Inhalation. Ingestion.
TLV	TWA: 350 (ppb) Consult local authorities for acceptable exposure limits.
Toxicity for animals	Acute oral toxicity (LD50): 10300 mg/kg [Rat]. Acute dermal toxicity (LD50): 15800 mg/kg [Rabbit]. (93784-03). Remark Not available.
Chronic effects on humans	CARCINOGENIC EFFECTS: Not available. 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. Remark Neurotoxic effects and dermatitis. (93784-03)
Acute effects on humans	Very hazardous in case of eye contact (irritant). Hazardous in case of skin contact (permeator), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching. Remark Material is irritating to mucous membranes and upper respiratory tract. (93784-03)

Section VII. Preventive Measures

Waste information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste stream	Not available.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.
Precautions	DO NOT ingest. Do not breathe gas, fumes, vapor or spray. 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.
Small spill and leak	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
Large spill and leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.
Protective clothing	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.

Section VIII. Classification

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TDG road / rail CLASS 6.1: Poisonous material.



Shipping name: Toxic liquids n.o.s. (93784-03) UNNA: UN2810 PG: II

Maritime transportation

Not available.

Remark

Not available.

WHMIS

CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).
CLASS D-2B: Material causing other toxic effects (TOXIC).

Remark

Not available.

Federal and provincial regulations

Section IX. Protective Clothing

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



Section X. Other Information

References Not available.

Not available.

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