



EMERGENCY NUMBERS:

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WHMIS	Protective Clothing	TDG Road/Rail
WHMIS CLASS: D-2B		Not controlled under TDG (Canada). PIN: Not applicable. PG: Not applicable.
		

Section I. Product Identification and Uses

Product name	POLYVINYL ALCOHOL	CI#	Not available.
Chemical formula	Not applicable.	CAS#	Not applicable.
Synonyms	AC-7548, 71576	Code	AC-7548
Supplier	Anachemia Canada. 255 Norman. Lachine (Montreal), Que H8R 1A3	Formula weight	Not applicable.
		Supersedes	
Material uses	For laboratory use only.		

Section II. Ingredients

Name	CAS #	%	TLV
1) INTERMEDIATE AND PARTIALLY HYDROLIZED POLYVINYL ALCOHOL	25213-24-5	95	Not established by ACGIH
2) METHANOL	67-56-1	<3	Exposure limits: ACGIH TWA 200 ppm (262 mg/m3); STEL 250 ppm (328 mg/m3) (Skin)
3) SODIUM ACETATE	127-09-3	<1.0	Not established by ACGIH

Toxicity values of the hazardous ingredients

 POLYVINYL ALCOHOL:
 ORAL (LD50): Acute: >20000 mg/kg (Rat). 14700 mg/kg (Mouse).
 METHANOL:
 ORAL (LD50): Acute: 5600 mg/kg (Rat). 7300 mg/kg (Mouse). 14200 mg/kg (Rabbit).
 DERMAL (LD50): Acute: 15800 mg/kg (Rabbit).
 VAPOR (LC50): Acute: 64000 ppm (Rat) (4 hour(s)).

Section III. Physical Data

Physical state and appearance / Odor	Solid. (White powder. Odorless.)
pH (1% soln/water)	4-8 (4% aqueous solution)
Odor threshold	Not available.
Percent volatile	5%
Freezing point	Not available.
Boiling point	Not available.
Specific gravity	0.6408 (Water = 1)
Vapor density	Not available.
Vapor pressure	Not available.
Water/oil dist. coeff.	Not available.
Evaporation rate	Not applicable.
Solubility	Soluble in hot water.

Section IV. Fire and Explosion Data

Flash point	Not available.
Flammable limits	LOWER: 0.87 g/m3
Auto-ignition temperature	Not available.
Fire degradation products	Oxides of carbon (CO, CO2). Acetaldehyde, acetone, crotonaldehyde.
Fire extinguishing procedures	Use flooding quantities of water. Wear adequate personal protection to prevent contact with material or its combustion products. Self contained breathing apparatus with a full facepiece operated in a pressure demand or other positive pressure mode. Cool containing vessels with flooding quantities of water until well after fire is out.
Fire and Explosion Hazards	Combustible solid. This material in powder form is capable of creating a dust explosion. Contact with oxidizers may cause fire and/or explosion. The sensitivity to static discharge is not available. The sensitivity to impact is not available. Emits toxic fumes under fire conditions.

Section V. Toxicological Properties

Routes of entry	Ingestion and inhalation. Eye contact. Skin contact.
Effects of Acute Exposure	May be harmful by ingestion, inhalation, or skin absorption. Target organs: eyes, skin, respiratory system, central nervous system, gastrointestinal system. 6000 ppm (METHANOL) is immediately dangerous to life or health.
Eye	Causes irritation.
Skin	No specific information is available on this material.
Inhalation	Exposure can cause coughing, chest pains, and difficulty in breathing.
Ingestion	No specific information is available on this material.

Section V. Toxicological Properties

Effects of Chronic Overexposure Asthmatic conditions may worsen from prolonged and continuous exposure to dust. Carcinogenic effects: Not available. Mutagenic effects: Not available. Teratogenic effects: Not available. Toxicity of the product to the reproductive system: Not available. To the best of our knowledge, the chemical, physical, and toxicity of this substance has not been fully investigated.

Section VI. First Aid Measures

Eye contact Immediately flush eyes with copious quantities of water for at least 20 minutes holding lids apart to ensure flushing of the entire surface. Seek immediate medical attention.

Skin contact Immediately flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash contaminated clothing before reusing. Discard contaminated leather articles such as shoes and belt.

Inhalation Remove patient to fresh air. Administer approved oxygen supply if breathing is difficult. Administer artificial respiration or CPR if breathing has ceased. Call a physician.

Ingestion If conscious, wash out mouth with water. Have conscious person drink several glasses of water to dilute. Get medical attention without delay. Never give anything by mouth to an unconscious or convulsing person.

Section VII. Reactivity Data

Stability Stable. Conditions to avoid: High temperatures, sparks, open flames and all other sources of ignition, contamination.

Hazardous decomp. products Decomposition below 200°C is insignificant. Above this temperature decomposition will begin. Accelerated decomposition will release acetaldehyde, acetone, crotonaldehyde, and other toxic products.

Incompatibility Oxidizing agents.

Reaction Products Not available. Hazardous polymerization will not occur.

Section VIII. Preventive Measures

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Protective Clothing in case of spill and leak	Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
Spill and leak	Sweep up and place in container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete. DO NOT empty into drains. DO NOT touch spilled material.
Waste disposal	According to all applicable regulations.
Storage and Handling	Store in a cool place away from heated areas, sparks, and flame. Store in a well ventilated area. Store away from incompatible materials. Do not add any other material to the container. Do not wash down the drain. Do not breathe dust. Keep container tightly closed and dry. Manipulate in a well ventilated area or under an adequate fume hood. Avoid raising dust. Handle and open container with care. Minimize dust generation and exposure - use dust mask or appropriate protection. This product must be manipulated by qualified personnel. Do not get in eyes, on skin, or on clothing. Wash well after use. In accordance with good storage and handling practices. Do not allow smoking and food consumption while handling.

Section IX. Protective Measures

Protective clothing	Splash goggles. Impervious gloves, apron, coveralls, and/or other resistant protective clothing. Sufficient to protect skin. A OSHA/MSHA jointly approved respirator is advised in the absence of proper environmental controls. Do not wear contact lenses. Make eye bath and emergency shower available. Ensure that eyewash station and safety shower is proximal to the work-station location.
Engineering controls	Local mechanical exhaust ventilation capable of minimizing dust emissions at the point of use. Do not use in unventilated spaces.

Section X. Other Information

Special Precautions or comments Irritant! Do not breathe dust. Avoid all contact with the product. Avoid prolonged or repeated exposure. Manipulate in a well ventilated area or under an adequate fume hood. Keep away from heat, sparks and flame. To the best of our knowledge, the chemical, physical and toxicity of this substance has not been fully investigated. Handle and open container with care. Container should be opened only by a technically qualified person.



NFPA

Prepared by MSDS Department/Département de F.S..

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