Richard-Allan Scientific Catalog #
86014

Material Safety Data Sheet

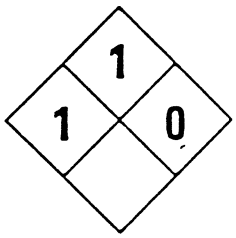
General Information

Section Adhesive Solution

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Date Issued:	7-1-96
Replaces:	N/A
Manufacturer:	Richard-Allan Scientific 225 Parsons Street Kalamazoo, MI 49007 800 522 7270
CHEMTREC:	800 424 9300 For transportation emergencies
Chemical Family:	N/A

Hazard Symbology



Health Hazard	Fire Hazard Flash Points	Reactivity	Specific Hazard
4 Deadly	4 Below 73° F	4 May detonate	ACID - Acid
3 Extreme danger	3 Below 100° F	3 Shock & heat may detonate	COR - Corrosive
2 Hazardous	2 Above 100° F, not exceeding 200° F	2 Violent chemical change	OXY - Oxidizer
1 Slightly hazardous	1 Above 200° F	1 Unstable if heated	P - Polymerization
0 Normal material	0 Will not burn	0 Stable	☢ - Radioactive
			W - Use No Water

Ingredients	CAS No.	PEL 8 hr. TWA	STEL	Agency
Gelatin	9000708	———	———	———
Ethylene Glycol	107-21-1	50 ppm	———	OSHA, ACGIH

Physical Data

Appearance and Odor:	Slight Yellow Liquid. Mild characteristic odor.
Boiling Point:	>100° C
Evaporation Rate:	Approximately equal to that of water.
Percent Volatile by Volume:	N/A
Solubility in Water:	Complete
Specific Gravity:	1.07 @ 21° C (Water = 1)
Vapor Density:	N/A
Vapor Pressure:	N/A

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Fire and Explosion Hazard Data

Flammability Class (OSHA):	Class IIIB
Flash Point (TCC):	>93° C (200° F) Closed Cup
Flammable Limits in Air; % by Volume:	LOWER N/A UPPER N/A

Extinguishing Media: Water spray, carbon dioxide, dry chemical powder or foam. Solid streams may not be effective.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus with a full face piece operated in the positive pressure mode when fighting fires.

Reactivity Data

Stability: Stable.

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition: None.

Hazardous Polymerization: None.

Health Hazard Data

Skin Effects: Prolonged or repeated contact can cause irritation, defatting, or dermatitis.

Eye Effects: Can cause severe irritation, redness, tearing, and blurred vision.

Systemic Effects:

Ingestion: Can cause irritation to the digestive tract, nausea, vomiting, diarrhea, blindness, and possibly death.

Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation, can affect respiratory response, cause coughing and chest pains.

Protective Equipment

Ventilation: General mechanical ventilation or fume hood.

Personal Protective Equipment: Chemical resistant gloves; chemical safety goggles; and NIOSH/MSHA approved respirators are advised in the absence of environmental controls.

Emergency and First Aid Procedures	**Skin Contact:** Remove contaminated clothing (including shoes) immediately. Wash the affected area of the body with soap or mild detergent and large amounts of water until no evidence of the chemical remains – at least 15 to 20 minutes. **Eye Contact:** In case of eye contact, immediately flush eye with plenty of water for at least 15 minutes, occasionally lifting upper and lower lids. Call a physician. If one should have appreciable eye irritation from an excessive exposure, one should be referred to an opthalmologist for evaluation. **Inhalation:** If affected by vapors, move patient to fresh air immediately. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. **Ingestion:** If swallowed, immediately wash out mouth with water provided the person is conscious. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Spill, Leak and Disposal Procedures	**Emergencies:** If a spill of appreciable quantity occurs, leave the area quickly unless you have specific emergency duties. Do not touch spilled material. Designated person may stop the leak and shut off ignition sources if these procedures can be done without risk. Designated persons should isolate the hazard area and deny entry except for necessary people protected by suitable protective clothing and respirators adequate for the exposure. Use water spray to reduce vapors. **Occupational Spill:** For small containers, place the leaking container in a well ventilated area. Take up small spills with absorbent material and transfer to hood. Place the waste into properly labeled containers for later disposal. For larger spills, dike the spill to minimize contamination and facilitate salvage or disposal. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers. Prevent run-off to sewers, streams, or other bodies of water. Your employer must comply with EPA rules regarding the clean-up of toxic waste and notify state and local authorities, if required. **Waste Disposal:** Your employer must dispose of waste in accordance with applicable local, state and federal laws (each has unique requirements) and in a manner that minimizes exposure of employees at the site and of the clean-up crew.
Shipping Information	**Storage Conditions:** Keep container closed. Keep away from heat and open flame. Store at room temperature: 15 - 30° C (59 - 86° F). **Transportation:** DOT shipping name is 'Section Adhesive Solution'. DOT hazard class is 'None'. **Shipping Containers:** Bottles.

Richard-Allan Scientific believes the information herein to be correct and factual as of the issue date hereof. This information is furnished on the condition that the person receiving it shall make the determination as to the stability of the material for his/her particular purpose and on the condition that he/she assume the risk of the use thereof.

6-10-96	Theresa M. Schuster
Issue date	Signed