

BIOCONNECTIONS

THORP ARCH ESTATE

WETHERBY

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PRODUCT SAFETY DATA SHEET

1. a. Product Name:	Kovacs' reagent
b. Product Code:	CK9020
c. Product Formulation:	Each vial contains a 4 % dilution of p- -dimethyl amino benzaldehyde in a 25% dilution of hydrochloric acid in butanol.
2. Hazard Identification:	
Symbol:	None required.
Phrases:	
3. Transport Information:	None required.
4. Regulatory Information:	S26 Skin irritant, R34 corrosive, R37 Caustic
5. Physical & Chemical Properties:	
a. Physical Description:	Yellow liquid.
b. Chemical Properties:	Soluble in water.
6. Fire Fighting Measures:	Use water spray, CO2, foam or dry powder as the extinguisher medium. Non-flammable, non-combustible.
7. Health Hazards:	This product is for laboratory use only and should not be taken internally. P dimethyl amino benzaldehyde will stain hands and clothes and may be an irritant. The weak dilution in PEP should not present any hazards. Hydrochloric acid may be fatal if swallowed. This dilution does not react with water. It may be caustic to the touch.
Toxicological Information:	Reactions can occur in cases where the person has extreme skin sensitivity. Symptoms in such individuals may include a burning sensation, coughing, headache, nausea, or vomiting.
8. Stability & Reactivity:	Essentially stable and non-reactive
9. First Aid:	
a. Eyes	If dissolved solution is splashed into eyes, rinse immediately with water for 10 to 15 minutes with eyelids open. Seek medical advice.
b. Ingestion	Wash out mouth with water. Seek medical advice.
c. Skin Contact:	Wash skin with soap and water. No reaction anticipated. Discoloration of skin will disappear in 24-48 hours.
d. Inhalation:	No vapors produced or hazard anticipated.
10. Accidental Release/ Spillage Measures:	Excessive liquid may be absorbed with sand, soda ash, or soaked into paper towels. Wash areas with soap and water to reduce staining. Discard with normal laboratory trash. Staining can only be removed with at least a 15% solution of HCL.

11. Disposal:	Empty container may be discarded as normal waste. Absorption material such as paper towels, etc., should be used if large amounts of liquid are to be discarded.
12. Exposure Control and Personal Protection:	Do not swallow. Avoid spills to prevent stains. Stains on cabinet and clothes are permanent and can only be removed with a strong solution of hydrochloric acid.
13. Ecological Information:	None implemented.
14. Storage & Handling:	Store at 2 to 8 C.
15. Other Information:	Compiled with information from Sigma/Aldrich databases.
Date:	10/4/01