

AerBio, Ltd.
320 N. Walnut St.
Bloomington, IN 47404

Telephone: 812.334.1540

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Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 09/24/96

Common Name: TEMED

SECTION 2: HAZARDOUS INGREDIENTS:

<u>Chemical Name:</u>	<u>CAS Number:</u>	<u>% by Weight:</u>	<u>TLV:</u>	
N,N,N',N'-Tetramethylethylenediamine	110-18-9		99.4%	N/A
Total listed: 99.4%				

The remainder of the components comprise proprietary information.

SECTION 3: PHYSICAL DATA

Physical Data:

Appearance:	pale yellow liquid
Odor:	strong amine or fishy odor
Density @ 25°C:	0.89 g / mL
Flash Point:	88°F (TCC)
Freezing Point:	N/T
Boiling Point:	203°F
Solubility:	Miscible in water
pH:	N/A
pH (100 ppm in water):	8.0 - 8.5
Vapor Pressure:	N/T
o/w Partition Coefficient:	N/T
Oxidizing / Reducing Properties:	N/T

SECTION 4: FIRE AND EXPLOSION DATA

Fire and Explosion Information:

Flammable limit:	Lower 0.98%, Upper 9.08%, (by volume)
Extinguishing Media:	Water, fog, carbon dioxide, foam, dry chemical
Special Fire Fighting Procedures:	Protection from vapors must be provided.
Unusual Fire and Explosion Hazard:	Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions and emit toxic fumes.

SECTION 5: REACTIVITY DATA

Reactivity Data:

Stable X Unstable

Incompatibilities:

acids, acid chlorides, acid anhydrides, strong oxidizing agents, carbon dioxide, copper, copper alloys

Hazardous Decomposition Products:

Burning may release strongly irritating vapors.

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SECTION 6: FIRST AID INFORMATION

Eye exposure:	Flush immediately with copious amounts of water or normal saline (min. 15 minutes). Take exposed individual to a health care professional, preferably an ophthalmologist, for further evaluation.
Skin exposure:	Wash exposed area with plenty of soap and water. Repeat washing. Remove contaminated clothing and wash thoroughly before reuse. If irritation persists call a health care professional.
Inhalation:	If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek a health care professional immediately.
Ingestion:	DO NOT INDUCE VOMITING. Rinse with copious amounts of water or milk first. Irrigate the esophagus and dilute the stomach by slowly giving (1) to two (2) glasses of water or milk. Avoid giving alcohol or alcohol related products. In cases where the individual is semi-comatose or convulsing, DO NOT GIVE FLUIDS BY MOUTH. In case of intentional ingestion of the product seek medical assistance immediately.

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Evacuate area. Shut off all sources of ignition. Wear Self-container breathing apparatus, rubber boots and heavy rubber gloves. Cover with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

Dispose of by burning in chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as material is flammable.

SECTION 8: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Gas masks suitable for organic amines should be provided for emergency use.

Eye wash fountains in the work place are strongly recommended.

Rubber gloves, indirect ventilation goggles, body-protective clothing, and rubber safety shoes are required.

SECTION 9: TRANSPORT INFORMATION

DOT classification: Flammable liquid, UN 2372, Class 3, Packing Group II, 1,2-Di-(dimethylamino)ethane, Packing instr. 305

DOT pictogram: Flammable, Class 3

Accepted in passenger and cargo aircraft.

SECTION 10: TOXICITY INFORMATION

ORAL-RAT: LD50 1580 mg/kg

SKIN-RBT: LD50 5390 mg/kg