MATERIAL SAFETY DATA SHEET

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JOYCE KILBY/RISK MGMT OF
UNIV. OF WISCONSIN-WHITEWATER
800 W. MAIN ST-LIBRARY RM 2008
WHITEWATER, WI
53190

Preparation Date ............ OCT 27, '87
Date Sent to Customer........ MAR 12, '91
Information Phone Number: (609) 354-9200
Chemtrec Emergency Number:

SECTION I - GENERAL INFORMATION

Catalog Number(s): PX1740

Chemical Name........ Propionaldehyde
Trade Name.......... Propanal; Propionic Aldehyde
CAS Number........ 123-38-6
Chemical Family... Aldehyde
Molecular Weight... 58.08
DOT Shipping Name: N/A
DOT Number......... N/A

NFPA HAZARD RATINGS
Health....... 2 Flammability ...... 3
Reactivity....... 1 Special Hazards: N/A

SECTION II - HAZARDOUS INGREDIENTS

-N/A-

SECTION III - PHYSICAL DATA

Boiling Point (°C 760 mm Hg): 49°C
Melting Point (°C): -81°C
Specific Gravity (H2O = 1): 0.807
Vapor Pressure (mm Hg) unava 20°C
Percent Volatile by Vol (%): 100
Vapor Density (Air=1): 2.0
Evaporation Rate (BuAc=1): unava
Solubility in Water (%): 16
Appearance and Odor: colorless liquid pungent odor

SECTION IV - FIRE & EXPLOSION HAZARD DATA

Flash Point (°F): 15F (cc)
Flammable Limits LEL %: 2.9
Flammable Limits UEL %: 17
Extinguishing Media: Alcohol foam, CO2, Dry chemical
Fire Fighting Proc.: Wear self-contained breathing apparatus
Fire & Expl. Hazards: May form explosive mixtures with air

SECTION V - HEALTH HAZARD DATA (ACUTE AND CHRONIC)

ACGIH TLV/OSHA PEL (TWA): None Established
Toxicity Data:......
-ori-rat LD50: 1410 mg/kg inh-rat LC50: 8000 ppm/4H
Symptoms of Exposure: Moderately toxic by inhalation, ingestion and skin absorption;
Causes severe eye irritation; can cause skin irritation;
vapor extremely irritating
Medical Care for Aggravated by Exp: Data not available
Routes of Entry: Inhalation, ingestion or skin contact
Carcinogenicity: See Comments, Section X; if no information appears the material is not listed as a cancer causing agent.
Emergency First Aid: Skin: wash with soap and water
Eyes: immediately flush thoroughly with water
Inhalation: remove to fresh air
GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE

SECTION VI - REACTIVITY DATA

Stability.............. YES
Conditions to Avoid....

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- Heat, sparks, open flame

**Materials to Avoid:** ( ) Water ( ) Acids
( ) Bases ( ) Corrosives (x) Oxidizers
( ) Other (specify) - N/A

**Hazardous Polymerization:** Data not available.
**Hazardous Decomposition:** - COX

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**SECTION VII - ENVIRONMENTAL PROTECTION PROCEDURES**

**Spill Response:**
- Take up with absorbent; containerize for proper disposal;
  wear respiratory protection

**Waste Disposal:** To be performed in compliance with all current local,
state and federal regulations.

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**SECTION VIII - SPECIAL PROTECTION INFORMATION**

**Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:**
- Provide adequate general mechanical and local exhaust
  ventilation
- Protect eyes and skin with safety goggles and gloves
- Wear self-contained respirator if vapor concentration is high
- Avoid breathing vapor
- Avoid contact with skin, eyes, and mucous membranes

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**SECTION IX - SPECIAL PROTECTION INFORMATION**

**Handling & Storage:**
- Keep container closed when not in use and protect against
  physical damage
- Store in a cool, well-ventilated area
- Store away from heat and oxidizing materials
- Wash thoroughly after handling

**Work/Hygienic Practices:** Wash thoroughly after handling. Do not take
internally. Eye wash and safety equipment should be readily available.

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**SECTION X - OTHER INFORMATION**

**Comments:** None

**Revision History:** 06/01/84

N/A = Not available.

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