



MAR 15 1991

M A T E R I A L S A F E T Y D A T A S H E E T

EM SCIENCE
A Division of EM Industries
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Preparation Date: OCT 27, '87
Date Sent to Customer.....: MAR 12, '91
Information Phone Number :
(609) 354-9200
Chemtrec Emergency Number:
1-800-424-9300

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

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

Catalog Number(s): SECTION I - GENERAL INFORMATION
PX1740

Chemical Name.....: Propionaldehyde
Trade Name.....: Propanal; Propionic Aldehyde
C.A.S. Number.....: 123-38-6
Chemical Family...: Aldehyde
Formula.....: CH3CH2CHO
Molecular Weight..: 58.08
DOT Shipping Name: N/A
DOT Number.....: N/A

Biology

-N/A SECTION II - HAZARDOUS INGREDIENTS

SECTION III - PHYSICAL DATA
Boiling Point (C° 760 mm Hg)..: 49C
Melting Point (C°).....: -81C
Specific Gravity (H2O = 1).....: 0.807
Vapor Pressure..(mm Hg).....: unava 20C
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 (oc)
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.....:
-orl-rat LD50: 1410 mg/kg ihl-rat LCLo: 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 Cond. 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

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.

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

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.

SECTION X - OTHER INFORMATION

Comments.....: None
Revision History.....: 06/01/84
 N/A = Not available: