



chemists helping chemists in research & industry

aldrich chemical co.

P.O. Box 355, Milwaukee, Wisconsin 53201 USA • (414) 273-3850

ATTN: SAFETY DIRECTOR
SCHOOLCRAFT COLLEGE
PURCHASING DEPT
18600 HAGGERTY RD
LIVONIA
MARGARET JUDD

MI 48152

DATE: 03/10/87
CUST # 938609 P.O. #

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

PAGE: 1

IDENTIFICATION

PRODUCT # 11003-5 NAME: 1-PROPANOL, 99+
CAS # 71-23-8

TOXICITY HAZARDS

RTECS # UH8225000

PROPYL ALCOHOL

IRRITATION DATA

SKN-RBT 500 MG OPEN MLD
SKN-RBT 500 MG/24H MOD
EYE-RBT 4 MG OPEN SEV
EYE-RBT 20 MG/24H MOD

TOXICITY DATA

ORL-WMN LD50: 5700 MG/KG
ORL-RAT LD50: 1870 MG/KG
IPR-RAT LD50: 2164 MG/KG
IVN-RAT LD50: 590 MG/KG
ORL-MUS LD50: 6800 MG/KG
IHL-MUS LC50: 48 GM/M3
IPR-MUS LD50: 3125 MG/KG
SCU-MUS LD50: 3230 MG/KG
IVN-MUS LD50: 697 MG/KG
SKN-RBT LD50: 5040 MG/KG
IPR-RBT LD50: 515 MG/KG
IVN-RBT LD50: 483 MG/KG
IPR-GPG LD50: 1208 MG/KG
IPR-HAM LD50: 2338 MG/KG

UCDS** 6/28/72
28ZPAK -,34,72
AMIHBC 10,61,54
28ZPAK -,34,72

ATXKAB 16,84,56
AMIHBC 10,61,54
EVHPAZ 61,321,85
EVHPAZ 61,321,85
PSDTAP 9,276,68
GTPZAB 18(3),48,74
EVHPAZ 61,321,85
TXAPA9 18,185,71
EVHPAZ 61,321,85
AMIHBC 10,61,54
EVHPAZ 61,321,85
EVHPAZ 61,321,85
EVHPAZ 61,321,85
EVHPAZ 61,321,85

REVIEWS, STANDARDS, AND REGULATIONS

MSHA STANDARD-AIR:TWA 200 PPM (490 MG/M3) DTLVS* 3,217,71
OSHA STANDARD-AIR:TWA 200 PPM FEREAC 39,23540,74
EPA GENETIC TOXICOLOGY PROGRAM, JANUARY 1984
REPORTED IN EPA TSCA INVENTORY, 1983
"NIOSH MANUAL OF ANALYTICAL METHODS, 3RD ED." SEE: METHOD 1401
MEETS CRITERIA FOR PROPOSED OSHA MEDICAL RECORDS RULE FEREAC 47,30420.
82

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

HEALTH HAZARD DATA

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.

CAUSES SKIN IRRITATION.

EXPOSURE CAN CAUSE:

STOMACH PAINS, VOMITING, DIARRHEA.
NAUSEA, HEADACHE AND VOMITING

FIRST AID

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS
AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED
CLOTHING AND SHOES.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL
RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT,
GIVE OXYGEN.

CALL A PHYSICIAN.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

USA
Aldrich Chemical Co., Inc.
940 West Saint Paul Avenue
Milwaukee, Wisconsin 53233
Telephone: (414) 273-3850
Telex: (914) 253-3850 Aldrich MI
Telex: 25-863 Aldrich MI
FAX: (414) 223-4078

Belgium
Aldrich-Chemie N.V./S.A.
6 Rue Caporal Claes
B-1030 Brussels
Telephone: (02) 2428750
Telex: 62302 Aldrich B
FAX: 022 2428750

France
Aldrich-Chimie S.A.L.
27, Fossé des Treize
F-67000 Strasbourg
Telephone: (88) 327010
Telex: 890075 Aldrich F
FAX: 88 327010

Japan
Aldrich Japan
Kyodo Bldg. Shinkanda
10 Kanda-Mitsuncho
Chiyoda-Ku, Tokyo
Telephone: (03) 258-0186
FAX: (03) 258-0187

United Kingdom
Aldrich Chemical Co., Ltd.
The Old Brickyard, New Road
Gillingham, Dorset SP8 4JL
Telephone: (07478) 2211
Telex: 417228 Aldrich G
FAX: (07478) 4179

West Germany
Aldrich-Chemie GmbH & Co. KG
D-7924 Steinheim
Telephone: (07329) 87-0
Telex: 714838 Aldi D
FAX: (07329) 87-39



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PAGE: 2

CATALOG # 11003-5

NAME: 1-PROPANOL, 99+%

-----PHYSICAL DATA-----

MELTING POINT: -127 C
BOILING POINT: 97 C
SPECIFIC GRAVITY: 0.804

-----FIRE AND EXPLOSION HAZARD DATA-----

FLASH POINT: 59 F
EXTINGUISHING MEDIA
CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM.
SPECIAL FIRE FIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
FLAMMABLE LIQUID.
UNUSUAL FIRE AND EXPLOSION HAZARDS
VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASH BACK.
CONTAINER EXPLOSION MAY OCCUR UNDER FIRE CONDITIONS.

-----REACTIVITY DATA-----

INCOMPATIBILITIES
ACID CHLORIDES
ACID ANHYDRIDES
OXIDIZING AGENTS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE

-----SPILL OR LEAK PROCEDURES-----

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
EVACUATE AREA.
SHUT OFF ALL SOURCES OF IGNITION.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
COVER WITH AN ACTIVATED CARBON ADSORBENT, TAKE UP AND PLACE IN CLOSED CONTAINERS. TRANSPORT OUTDOORS.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
WASTE DISPOSAL METHOD
BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER BUT EXERT EXTRA CARE IN IGNITING AS THIS MATERIAL IS HIGHLY FLAMMABLE.

OBSERVE ALL FEDERAL, STATE & LOCAL LAWS.

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

WEAR APPROPRIATE OSHA/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
DO NOT BREATHE VAPOR.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
IRRITANT.
KEEP TIGHTLY CLOSED.
KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.
HYGROSCOPIC.
STORE IN A COOL DRY PLACE.

USA
Aldrich Chemical Co., Inc.
940 West Saint Paul Avenue
Milwaukee, Wisconsin 53233
Telephone: (414) 273-3850
TWX: (910) 253-3052 Aldrich MI
Telex: 28 942 Aldrich MI
FAX: (414) 273-4078

Belgium
Aldrich Chemie N.V./S.A.
6 Rue Caporal Claes
B-1030 Brussels
Telephone: (02) 2428750
Telex: 62302 Aldrich B

France
Aldrich-Chimie S.a.r.l.
27, Fosse des Treize
F-67000 Strasbourg
Telephone: (88) 327014
Telex: 860076 Aldrich F
FAX: (88) 75 12 83

Japan
Aldrich Japan
Kyodo Bldg. Shinkanda
10 Kanda-Mikuracho
Chiyoda-Ku, Tokyo
Telephone: (03) 258-0155
FAX: (03) 258-0157

United Kingdom
Aldrich Chemical Co., Ltd.
The Old Brickyard, New Road
Gillingham, Dorset SP6 4JT
Telephone: (07476) 2211
Telex: 417238 Aldrich G
FAX: (07476) 3779

West Germany
Aldrich-Chemie GmbH & Co. KG
D-7924 Steinheim
Telephone: (07328) 87-0
Telex: 714636 Aldrich D
FAX: (07328) 87-38



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PAGE: 3

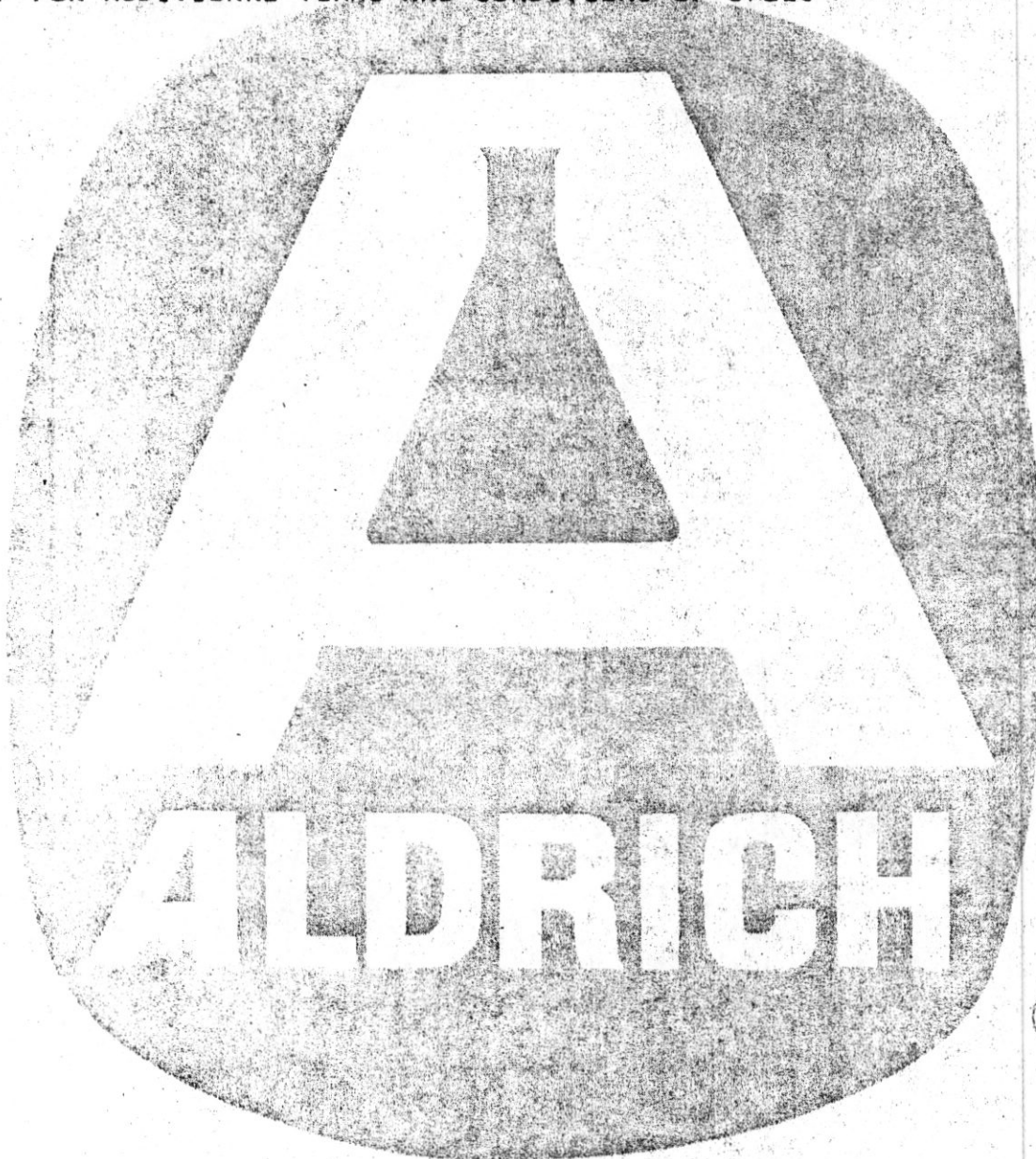
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----- ADDITIONAL PRECAUTIONS AND COMMENTS -----

NOT APPLICABLE

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5 Rue Caporal Claus
B-1020 Brussels
Telephone: (02) 2428750
Telex: 62302 Aldrich B

France
Aldrich-Chimie S.a.r.l.
27, Fossé des Treize
F-67000 Strasbourg
Telephone: (80) 327010
Telex: 890076 Aldrich F
FAX: (88) 75 12 83

Japan
Aldrich Japan
Kyodo Bldg. Shinkanda
10 Kanda-Misakicho
Chiyoda-Ku, Tokyo
Telephone: (03) 258-0195
FAX: (03) 258-0157

United Kingdom
Aldrich Chemical Co., Ltd.
The Old Brickyard, New Road
Gillingham, Dorset SP6 4JL
Telephone: (07478) 2211
Telex: 417236 Aldrich G
FAX: (07478) 3775

West Germany
Aldrich-Chemie GmbH & Co. KG
D-7824 Steinheim
Telephone: (07328) 87 0
Telex: 714638 Aldri G
FAX: (07328) 87 39