



chemists helping chemists in research & industry

**aldrich chemical co.**

P.O. Box 355, Milwaukee, Wisconsin 53201 USA

Telephone: (414) 273-3850  
TWX: (910) 262-3052 Aldrichem MI  
Telex: 26 843 Aldrich MI  
FAX: (414) 273-4979

ATTN: SAFETY DIRECTOR  
SCHOOLCRAFT COLLEGE  
18600 HAGGERTY ROAD  
LIVONIA MI 48152

DATE: 08/06/90  
CUST#: 938609  
PO#: P0066012

## 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 #: 18738-0  
CAS #: 64-17-5  
MF: C2H6O

NAME: ETHYL ALCOHOL, DENATURED

### SYNONYMS

ABSOLUTE ETHANOL \* AETHANOL (GERMAN) \* AETHYLALKOHOL (GERMAN) \*  
ALCOHOL \* ALCOHOL, ANHYDROUS \* ALCOHOL DEHYDRATED \* ALCOOL ETHYLIQUE  
(FRENCH) \* ALCOOL ETILICO (ITALIAN) \* ALGRAIN \* ALKOHOL (GERMAN) \*  
ALKOHOLU ETYLOWEGO (POLISH) \* ANHYDROL \* COLOGNE SPIRIT \* COLOGNE  
SPIRITS (DOT) \* ETANOL (ITALIAN) \* ETHANOL \* ETHANOL (DOT, OSHA) \*  
ETHANOL, SOLUTION (DOT) \* ETHANOL 200 PROOF \* ETHYL ALCOHOL (ACGIH,  
DOT, OSHA) \* ETHYLALCOHOL (DUTCH) \* ETHYL ALCOHOL ANHYDROUS \* ETHYL  
HYDRATE \* ETHYL HYDROXIDE \* ETYLOWY ALKOHOL (POLISH) \* FERMENTATION  
ALCOHOL \* GRAIN ALCOHOL \* JAYSOL \* JAYSOL S \* METHYLCARBINOL \*  
MOLASSES ALCOHOL \* NCI-C03134 \* POTATO ALCOHOL \* SD ALCOHOL 23-  
HYDROGEN \* SPIRITS OF WINE \* SPIRT \* TECOL \* UN 1170 (DOT) \*

### HAZARDOUS INGREDIENTS

CONTAINS METHYL ALCOHOL, CHEMICAL ABSTRACTS REGISTRY NUMBER 67-56-1.  
CONTAINS ETHYL ACETATE, CHEMICAL ABSTRACTS REGISTRY NUMBER 141-78-6.  
CONTAINS 2-PROPANOL (ISOPROPYL ALCOHOL), CHEMICAL ABSTRACTS REGISTRY  
NUMBER 67-63-0.

### TOXICITY HAZARDS

RTECS NO: K06300000

ETHYL ALCOHOL

### IRRITATION DATA

SKN-RBT 400 MG OPEN MLD  
SKN-RBT 20 MG/24H MOD  
EYE-RBT 79 MG  
EYE-RBT 500 MG/24H MLD  
EYE-RBT 100 MG/4S RINSE MOD

### TOXICITY DATA

ORL-CHD LD50: 2000 MG/KG  
ORL-HMN LD50: 1400 MG/KG  
SCU-INF LD50: 19440 MG/KG  
ORL-RAT LD50: 7060 MG/KG  
IHL-RAT LC50: 20000 PPM/10H  
IPR-RAT LD50: 3600 UG/KG  
IVN-RAT LD50: 1440 MG/KG  
IAT-RAT LD50: 11 MG/KG  
ORL-MUS LD50: 3450 MG/KG  
IHL-MUS LC50: 39 GM/M3/4H  
IPR-MUS LD50: 933 MG/KG  
SCU-MUS LD50: 8285 MG/KG  
IVN-MUS LD50: 1973 MG/KG  
ORL-RBT LD50: 6300 MG/KG  
IPR-RBT LD50: 963 MG/KG  
IVN-RBT LD50: 2374 MG/KG  
ORL-GPG LD50: 5560 MG/KG  
IPR-GPG LD50: 3414 MG/KG

UCDS\*\* 7/22/70  
85JCAE -,189,86  
AJOPAA 29,1363,46  
85JCAE -,189,86  
FCTOD7 20,573,82

ATXKA8 17,183,58  
NPRI\* 1,44,74  
AJCPAI 5,466,35  
TXAPA9 16,718,70  
NPRI\* 1,44,74  
PHMGBN 2,27,69  
TXAPA9 18,60,71  
TXAPA9 18,60,71  
GISAAA 32(3),31,67  
GTPZAB 26(8),53,82  
SCCUR\* -,5,61  
FAONAU 48A,99,70  
HBTXAC 1,128,55  
HBTXAC 1,130,55  
EVHPAZ 61,321,85  
EVHPAZ 61,321,85  
JIHTAB 23,259,41  
EVHPAZ 61,321,85

CONTINUED ON NEXT PAGE

Belgium/Holland  
Aldrich Chemie  
Boulevard Lambert 140 b6  
Bd. Lambert 140 b6  
B-1030 Bruxelles/Brussel  
Telephone:  
Belgium 114747  
Holland 060224748  
Telex: 62302 Alchem B  
FAX: 022428216

France  
Aldrich-Chimie S.r.l.  
27, Fosse des Treize  
F-67000 Strasbourg  
Telephone: 88327010  
Telex: 890076 Aldrich I  
FAX: 88751283

Italy  
Aldrich Chimica S.r.l.  
Via Pietro Toselli, 4  
20127 Milano  
Telephone: 022613689  
Telex: 330862 Aldrich I  
FAX: 022896301

Japan  
Aldrich Japan  
Kyodo Bldg. Shinkanda  
10 Kanda-Mikuracho  
Chiyoda-Ku, Tokyo  
Telephone: 032580155  
FAX: 032580157

Spain  
Aldrich Quimica  
Apt. de Correos 161  
28100 Alcobendas (Madrid)  
Telephone: 916639977  
Telex: 22189 SAQS-E  
FAX: 916638084

United Kingdom  
Aldrich Chemical Co., Ltd.  
The Old Brickyard, New Road  
Gillingham, Dorset SP8 4JL  
Telephone: 0747822211  
Telex: 417238 Aldrich G  
FAX: 0747823779

West Germany  
Aldrich-Chemie GmbH & Co. KG  
D-7924 Steinheim  
Telephone: 7329870  
Telex: 714838 Aldrich D  
FAX: 0732987139/239



chemists helping chemists in research & industry

**aldrich chemical co.**

P.O. Box 355, Milwaukee, Wisconsin 53201 USA

Telephone: (414) 273-3850  
TWX: (910) 262-3052 Aldrichem MI  
Telex: 26 843 Aldrich MI  
FAX: (414) 273-4979

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

PAGE 2

CUST#: 938609  
PO#: P0066012

PRODUCT #: 18738--0  
CAS #: 64-17-5  
MF: C2H6O

NAME: ETHYL ALCOHOL, DENATURED

TOXICITY HAZARDS

IPR-HAM LD50: 5068 MG/KG

IPR-MAM LD50: 4300 MG/KG

EVHPAZ 61,321.85

TXAPA9 13,358.68

REVIEWS, STANDARDS, AND REGULATIONS

ACGIH TLV-TWA 1000 PPM 85INAB 5,242.2,86

IARC CANCER REVIEW: ANIMAL INADEQUATE EVIDENCE IMEMDT 44,35,88

MSHA STANDARD-AIR: TWA 1000 PPM (1900 MG/M3) DTLVS\* 3,103.71

OSHA PEL: 8H TWA 1000 PPM (1900 MG/M3) FEREAC 54,2923.89

OSHA PEL FINAL: 8H TWA 1000 PPM (1900 MG/M3) FEREAC 54,2923.89

NOHS 1974: HZD 31500; NIS 430; TNF 157709; NOS 242; TNE 2088926

NOES 1983: HZD 31500; NIS 321; TNF 76013; NOS 219; TNE 1752303; TFE

823234

EPA GENETOX PROGRAM 1988, POSITIVE: RODENT DOMINANT LETHAL

EPA GENETOX PROGRAM 1988, NEGATIVE: ASPERGILLUS-FORWARD MUTATION; SHE-  
CLONAL ASSAY

EPA GENETOX PROGRAM 1988, NEGATIVE: CELL TRANSFORM.-RLV F344 RAT  
EMBRYO

EPA GENETOX PROGRAM 1988, NEGATIVE: IN VITRO CYTOGENETICS-NONHUMAN;

MAMMALIAN MICRONUCLEUS

EPA GENETOX PROGRAM 1988, NEGATIVE: N CRASSA-ANEUPLOIDY; HISTIDINE

REVERSION-AMES TEST

EPA GENETOX PROGRAM 1988, NEGATIVE: IN VITRO SCE-HUMAN LYMPHOCYTES;

IN VITRO SCE-HUMAN

EPA GENETOX PROGRAM 1988, NEGATIVE: IN VITRO SCE-NONHUMAN; SPERM

MORPHOLOGY-MOUSE

EPA GENETOX PROGRAM 1988, NEGATIVE/LIMITED: CARCINOGENICITY-MOUSE/RAT

EPA TSCA CHEMICAL INVENTORY, 1989

EPA TSCA SECTION 8(E) STATUS REPORT BEHQ-0786-0617

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, APRIL 1990

NIOSH ANALYTICAL METHODS: SEE ALCOHOLS I, 1400;

NIOSH ANALYTICAL METHODS: SEE 2-BUTANONE, ETHANOL, AND TOLUENE IN  
BLOOD, 8002

TARGET ORGAN DATA

BEHAVIORAL (SLEEP)

BEHAVIORAL (CHANGE IN MOTOR ACTIVITY)

BEHAVIORAL (ATAXIA)

BEHAVIORAL (ANTIPSYCHOTIC) -

BEHAVIORAL (HEADACHE)

BEHAVIORAL (CHANGE IN PSYCHOPHYSIOLOGICAL TESTS)

LUNGS, THORAX OR RESPIRATION (CHRONIC PULMONARY EDEMA OR CONGESTION)

LUNGS, THORAX OR RESPIRATION (DYSPNAE)

GASTROINTESTINAL (ALTERATION IN GASTRIC SECRETION)

GASTROINTESTINAL (HYPERMOTILITY, DIARRHEA)

GASTROINTESTINAL (NAUSEA OR VOMITING)

GASTROINTESTINAL (OTHER CHANGES)

LIVER (TUMORS)

BLOOD (LYMPHOMA INCLUDING HODGKIN'S DISEASE)

PATERNAL EFFECTS (TESTES, EPIDIDYMIS, SPERM DUCT)

CONTINUED ON NEXT PAGE

Belgium/Holland  
Aldrich Chemie  
Boulevard Lambertmont 140 b6  
1030 Bruxelles/Brussel  
Telephone: 114747  
Telex: 62302 Alchem B  
K: 022428216

France  
Aldrich-Chimie S.r.l.  
27, Fosse des Treize  
F-67000 Strasbourg  
Telephone: 88327010  
Telex: 890076 Aldrich F  
FAX: 88751283

Italy  
Aldrich Chimica S.r.l.  
Via Pietro Toselli, 4  
20127 Milano  
Telephone: 022613689  
Telex: 330862 Aldrich I  
FAX: 022896301

Japan  
Aldrich Japan  
Kyodo Bldg. Shinkanda  
10 Kanda-Mikuracho  
Chiyoda-Ku, Tokyo  
Telephone: 032580155  
FAX: 032580157

Spain  
Aldrich Quimica  
Apt. de Correos 161  
28100 Alcobendas (Madrid)  
Telephone: 916639977  
Telex: 22189 SAQS-E  
FAX: 916638084

United Kingdom  
Aldrich Chemical Co., Ltd.  
The Old Brickyard, New Road  
Gillingham, Dorset SP8 4JL  
Telephone: 0747822211  
Telex: 417238 Aldrich G  
FAX: 0747823779

West Germany  
Aldrich-Chemie GmbH & Co. KG  
D-7924 Steinheim  
Telephone: 7329870  
Telex: 714838 Aldri D  
FAX: 0732987139/239