

MATERIAL SAFETY DATA SHEET



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SECTION 1. - - - - - CHEMICAL IDENTIFICATION - - - - -

CATALOG #: IB15730 & IB15735
NAME: ISOPROPYL ALCOHOL
CAS#: 67-63-0

SECTION 2. - - - - - HAZARDS IDENTIFICATION - - - - -
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LABEL PRECAUTIONARY STATEMENTS

FLAMMABLE (USA)

HIGHLY FLAMMABLE (EU)

IRRITANT

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

RISK OF SERIOUS DAMAGE TO EYES.

TARGET ORGAN(S):

NERVES

KIDNEYS

KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
WATER AND SEEK MEDICAL ADVICE.

WEAR SUITABLE PROTECTIVE CLOTHING.

HMIS: NFPA:

H: 1 H: 2

F: 3 F: 3

R: 0 R: 1

PE: I SH: N/A

SECTION 3. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -
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CHEMICAL NAME:	CAS#:	RTECS #:	EINECS#	%:
ISOPROPYL ALCOHOL	67-63-0	NT8050000	200-661-7	>99.0

FOR MORE INFORMATION SEE COMPLETE RTECS ENTRY.

EC NO: 200-661-7

SYNONYMS

ALCOOL ISOPROPILICO (ITALIAN) * ALCOOL ISOPROPYLIQUE (FRENCH) *

ALCOJEL * ALCOSOLVE * AVANTIN * AVANTINE * COMBI-SCHUTZ *

DIMETHYLCARBINOL * HARTOSOL * 2-HYDROXYPROPANE * IMSOL A * ISOHOL *

ISOPROPANOL (DOT) * ISOPROPYL ALCOHOL (ACGIH:DOT:OSHA) * ISO-

PROPYLALKOHOL (GERMAN) * LUTOSOL * 1-METHYLETHANOL * 1-METHYLETHYL

ALCOHOL * PETROHOL * PRO * 2-PROPANOL * I-PROPANOL (GERMAN) * N-

PROPAN-2-OL * SEC-PROPYL ALCOHOL * 2-PROPYL ALCOHOL * I-PROPYLALKOHOL

(GERMAN) * SPECTRAR * STERISOL HAND DISINFECTANT * TAKINEOCOL *

UN1219 (DOT) *

MF: C₃H₇OH

SECTION 4. - - - - - FIRST-AID MEASURES - - - - -

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.
ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS.
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
REMOVE AND WASH CONTAMINATED CLOTHING PROMPTLY.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

EXTINGUISHING MEDIA
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.
SPECIAL FIREFIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.
FLAMMABLE LIQUID.
UNUSUAL FIRE AND EXPLOSIONS HAZARDS
VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASH BACK.
CONTAINER EXPLOSION MAY OCCUR UNDER FIRE CONDITIONS.

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES - - - - -

SHUT OFF ALL SOURCES OF IGNITION.
EVACUATE AREA.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS, & RUBBER GLOVES.
ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL.
USE NONSPARKING TOOLS.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. - - - - - HANDLING AND STORAGE - - - - -

DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
DO NOT BREATHE VAPOR.
WASH THOROUGHLY AFTER HANDLING.
KEEP TIGHTLY CLOSED.
KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.
STORE IN A COOL DRY PLACE.
STORE AT ROOM TEMPERATURE.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - - - - -

CHEMICAL SAFETY GOGGLES.
SAFETY SHOWER AND EYE BATH.
RUBBER GLOVES.
MECHANICAL EXHAUST REQUIRED.
NIOSH/MSHA-APPROVED RESPIRATOR.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

APPEARANCE
LIQUID

SECTION 10.-STABILITY AND REACTIVITY -.....

STABILITY

STABLE.

INCOMPATIBILITIES

OXIDIZING AGENTS

ACIDS

ACID ANHYDRIDES

HALOGENS

ALUMINUM

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES OF:

CARBON MONOXIDE, CARBON DIOXIDE

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR.

SECTION 11.- TOXICOLOGICAL INFORMATION -.....

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.

CAUSES SEVERE EYE IRRITATION.

CAUSES SKIN IRRITATION.

MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.

CAN CAUSE CNS DEPRESSION.

PROLONGED EXPOSURE CAN CAUSE:

NAUSEA, HEADACHE AND VOMITING

NARCOTIC EFFECT

PROLONGED OR REPEATED EXPOSURE TO SKIN CAUSES DEFATTING AND DERMATITIS.

CHRONIC EFFECTS

TARGET ORGAN(S):

NERVES

KIDNEYS

CARDIOVASCULAR SYSTEM

G.I. SYSTEM

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND

TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: NT8050000

ISOPROPYL ALCOHOL

IRRITATION DATA

SKN-RBT 500 MG MLD

NTIS** AD-A106-944

EYE-RBT 100 MG SEV

AJOPAA 29,1363,1946

EYE-RBT 10 MG MOD

TXAPA9 55,501,1980

EYE-RBT 100 MG/24H MOD

85JCAE -,191,1986

TOXICITY DATA

ORL-MAN LDLO:5272 MG/KG

AJCPAI 38,144,1962

ORL-HMN LDLO:3570 MG/KG

34ZIAG -,339,1969

UNR-MAN LDLO:2770 MG/KG

85DCAI 2,73,1970

ORL-RAT LD50:5045 MG/KG

GISAAA 43(1),8,1978

IHL-RAT LC50:16000 PPM/8H

NPIRI* 1,100,1974

IPR-RAT LD50:2735 MG/KG

EVHPAZ 61,321,1985

IVN-RAT LD50:1088 MG/KG

EVHPAZ 61,321,1985

ORL-MUS LD50:3600 MG/KG

GISAAA 43(1),8,1978

TARGET ORGAN DATA

SENSE ORGANS AND SPECIAL SENSES (OTHER EYE EFFECTS)

BEHAVIORAL (SOMNOLENCE)

BEHAVIORAL (HALLUCINATIONS, DISTORTED PERCEPTIONS)

CARDIAC (PULSE RATE DECREASED WITH FALL IN BP)
VASCULAR (BP LOWERING NOT CHARACTERIZED IN AUTONOMIC SECTION)
GASTROINTESTINAL (NAUSEA OR VOMITING)
EFFECTS ON EMBRYO OR FETUS (FETAL DEATH)
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
COMPLETE INFORMATION.

SECTION 12. ----- ECOLOGICAL INFORMATION -----

DATA NOT YET AVAILABLE.

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. ----- TRANSPORT INFORMATION -----

UN#: 1219
PROPER SHIPPING NAME: ISOPROPANOL
PG: II
CLASS: 3

SECTION 15. ----- REGULATORY INFORMATION -----

EUROPEAN INFORMATION

EC INDEX NO: 603-003-00-0

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.



Irritant (Xi)

R: 36/37/38

FLAMMABLE



Highly flammable (F)

R: 10

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

S: 36/37/39

KEEP AWAY FROM HEAT.

S: 15

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK
 ACGIH TLV-STEL 1230 MG/M3 (500 PPM) DTLVS* TLV/BEI,1996
 ACGIH TLV-TWA 983 MG/M3 (400 PPM) DTLVS* TLV/BEI,1996
 IARC CANCER REVIEW:ANIMAL INADEQUATE EVIDENCE IMEMDT 15,223,1977
 IARC CANCER REVIEW:HUMAN INADEQUATE EVIDENCE IMSUDL 7,229,1987
 IARC CANCER REVIEW:GROUP 3 IMSUDL 7,229,1987
 EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION
 FEREAC 54,7740,1989
 MSHA STANDARD-AIR:TWA 400 PPM (980 MG/M3)
 DTLVS* 3,141,1971
 OSHA PEL (GEN INDU):8H TWA 400 PPM (980 MG/M3)
 CFRGBR 29,1910.1000,1994
 OSHA PEL (CONSTRUC):8H TWA 400 PPM (980 MG/M3)
 CFRGBR 29,1926.55,1994
 NIOSH REL TO ISOPROPYL ALCOHOL-AIR:10H TWA 400 PPM;STEL 500 PPM
 NIOSH* DHHS #92-100,1992
 NOHS 1974: HZD 40987; NIS 465; TNF 213605; NOS 252; TNE 3183554
 NOES 1983: HZD 40987; NIS 449; TNF 183402; NOS 278; TNE 4665524; TFE 2058264
 EPA GENETOX PROGRAM 1988, NEGATIVE: CELL TRANSFORM.-SA7/SHE; N
 CRASSA-ANEUPLOIDY
 EPA TSCA SECTION 8(B) CHEMICAL INVENTORY
 EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES
 EPA TSCA SECTION 8(E) RISK NOTIFICATION, 8EHQ-0293-8734;8EHQ-0892-8787
 EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, APRIL 1997
 NIOSH ANALYTICAL METHOD, 1994: ALCOHOLS I, 1400

SECTION 16. OTHER INFORMATION-

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