

IBI/SHELTON SCIENTIFIC
230 LONG HILL CROSS RD
SHELTON, CT
06484

MANUFACTURER'S NAME:

IBI/SHELTON SCIENTIFIC
230 LONG HILL CROSS RD.
SHELTON, CT
06484

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INFORMATION
(800) 253-4942 or (203) 929-8999

DATE PREPARED: 6-26-00

REVIEWED:

IDENTIFICATION

PRODUCT #: IB15730 500 ml
IB15735 1 Liter

NAME: ISOPROPANOL

COMPOSITION/INFORMATION ON INGREDIENTS

CAS #: 67-63-0

EC NO: 200-661-7

SYNONYMS

ALCOHOL ISOPROPILICO (ITALIAN) * ALCOHOL ISOPROPYLIQUE (FRENCH)
* LALCOJEL * ALCOSOLVE * AVANTIN * AVANTINE * COMBI-SCHUTZ *
DIMETHYLCARBINOL 8 HARTOSOL * 2-HYDROXYPROPANE * IMSOL A *
ISOHOL * ISOPROPANOL (DOT) * ISOPROPYL ALCOHOL (ACIGH.DOT.OSHA)
* 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) *

TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
CAUSES SEVERE EYE IRRITATION
CAUSES SKIN IRRITATION
VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES AND
UPPER RESPIRATORY TRACT.
CAN CAUSE CNS DEPRESSION.
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	100 MG/24H MLD	85JCAE-, 191, 1986
EYE-RBT	10 MG MOD	TXAPA9 55,501, 1980

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 OF 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.

_____ ECOLOGICAL INFORMATION _____

DATA NOT YET AVAILABLE.

_____ PHYSICAL AND CHEMICAL PROPERTIES _____

APPEARANCE AND ODOR

COLORLESS LIQUID.

_____ 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.

_____HAZARDS
IDENTIFICATION_____

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
KIDNEY
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.

_____FIRST-AID MEASURES_____

IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT,
GIVE OXYGEN, CALL A PHYSICIAN.
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES, FLUSH WITH COPIOUS
AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE
FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CALL A
PHYSICIAN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS
CONSCIOUS. CALL A PHYSICIAN IMMEDIATELY.
IN CASE OF SKIN CONTACT, FLUSH WITH SOAP AND COPIOUS AMOUNTS OF
WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING
AND SHOES.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

_____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.

ACCIDENTAL RELEASE MEASURES

EVACUATE AREA.

SHUT OFF ALL SOURCES OF IGNITION.

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

ABSORB ON SAND OR VERMICULATE, PLACE IN COVERED CONTAINERS USING NON-SPARKING TOOLS AND TRANSPORT OUTDOORS.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

DISPOSAL CONSIDERATIONS

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, AND LOCAL ENVIRONMENTAL REGULATIONS.

TRANSPORTATION INFORMATION

UN# 1219

PROPER SHIPPING NAME: ISOPROPANOL

PG: II

CLASS: 3

CONTACT SHELTON SCIENTIFIC FOR TRANSPORTATION INFORMATION.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.

USE ONLY IN A CHEMICAL FUME HOOD.

SAFETY SHOWER AND EYE BATH.

DO NOT BREATHE VAPOR.

DO NOT GET IN EYES, ON SKIN OR CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.

KEEP TIGHTLY CLOSED.

KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.

STORE IN A COOL DRY PLACE.

REGULATORY INFORMATION

EUROPEAN INFORMATION

EC INDEX NO: 603-003-00-0

HIGHLY FLAMMABLE.

IRRITANT

R 11

HIGHLY FLAMMABLE

S 16

KEEP AWAY FROM SOURCES OF IGNITION-NO SMOKING.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

ACGIH TLV-STEL 1230 MG/M3 (500PPM) DTLV/BEI, 1996
ACGIH TLV-TWA 983 MG/M3 (400 PPM) DTLV/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, 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

OTHER INFORMATION

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