



chemists helping chemists in research & industry

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DATE: 03/10/87
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M A T E R I A L S A F E T Y D A T A S H E E T

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IDENTIFICATION

PRODUCT # 19076-4
CAS # 67-63-0

NAME: 2-PROPANOL, A.C.S. REAGENT

TOXICITY HAZARDS

RTECS # NT8050000

ISOPROPYL ALCOHOL

IRRITATION DATA

SKN-RBT 500 MG MLD

EYE-RBT 16 MG

EYE-RBT 10 MG MOD

TOXICITY DATA

ORL-MAN LDLO:5272 MG/KG

ORL-HMN LDLO:3570 MG/KG

UNR-MAN LDLO:2770 MG/KG

ORL-RAT LD50:5045 MG/KG

IPR-RAT LD50:2735 MG/KG

IVN-RAT LD50:1088 MG/KG

ORL-MUS LD50:3600 MG/KG

IPR-MUS LD50:4477 MG/KG

IVN-MUS LD50:1509 MG/KG

ORL-DOG LD50:4797 MG/KG

SKN-RBT LD50:12800 MG/KG

IPR-RBT LD50:667 MG/KG

IVN-RBT LD50:1184 MG/KG

IPR-GPG LD50:2560 MG/KG

IPR-HAM LD50:3444 MG/KG

NTIS** AD-A106-944
AJOPAA 29,1363,46
TXAPA9 55,501,80

AJCPAI 38,144,62
34ZIAG -,339,69
85DCAI 2,73,70
GISAAA 43(1),8,78
EVHPAZ 61,321,85
EVHPAZ 61,321,85
GISAAA 43(1),8,78
EVHPAZ 61,321,85
EVHPAZ 61,321,85
EVHPAZ 61,321,85
JLCMAK 29,561,44
NPRI* 1,100,74
EVHPAZ 61,321,85
EVHPAZ 61,321,85
EVHPAZ 61,321,85
EVHPAZ 61,321,85

REVIEWS, STANDARDS, AND REGULATIONS

MSHA STANDARD-AIR:TWA 400 PPM (980 MG/M3) DTLVS* 3,141,71

OSHA STANDARD-AIR:TWA 400 PPM FEREAC 39,23540,74

NIOSH REL TO ISOPROPYL ALCOHOL-AIR:TWA 400 PPM;CL 800 PPM/15M MMWR**
34(1S),19S,85

EPA GENETIC TOXICOLOGY PROGRAM, JANUARY 1984

REPORTED IN EPA TSCA INVENTORY, 1983

EPA TSCA SECTION 8(E) STATUS REPORT 8EHQ-1180-0371

*NIOSH MANUAL OF ANALYTICAL METHODS, 3RD ED. * SEE: METHOD 1400

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.

CAUSES SKIN IRRITATION.

VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.

PROLONGED EXPOSURE CAN CAUSE:

NAUSEA, HEADACHE AND VOMITING

NARCOTIC EFFECT.

FIRST AID

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

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AMOUNTS OF WATER.

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.

REMOVE AND WASH CONTAMINATED CLOTHING PROMPTLY.

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

MELTING POINT: -89.5 °C

BOILING POINT: 82.3 °C

SPECIFIC GRAVITY: 0.782

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

FLASH POINT: 72 °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.

USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.

WARNING

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

OXIDIZING AGENTS

ACIDS

ACID ANHYDRIDES

HALOGENS

ALUMINUM

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

SHUT OFF ALL SOURCES OF IGNITION.

EVACUATE AREA.

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

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 ---

CHEMICAL SAFETY GOGGLES.

SAFETY SHOWER AND EYE BATH.

RUBBER GLOVES

MECHANICAL EXHAUST REQUIRED.

OSHA/MSHA-APPROVED RESPIRATOR.

DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

DO NOT BREATHE VAPOR.

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WASH THOROUGHLY AFTER HANDLING.

IRRITANT.

KEEP TIGHTLY CLOSED.

KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.

HYGROSCOPIC.

STORE IN A COOL DRY PLACE.

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

NOT APPLICABLE

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