

# MATERIAL SAFETY DATA SHEET

(Approved by U.S. Department of Labor as "essentially similar" to Form LSH-00S-4)

EXXON CHEMICAL AMERICAS - P.O. BOX 3272, HOUSTON, TEXAS 77001  
A division of EXXON CHEMICAL COMPANY, a division of EXXON CORPORATION

Isopropyl Alcohol Anhydrous  
EP 19 1985 PRODUCT

## SECTION I - IDENTIFICATION OF PRODUCT

## PURCHASING

MANUFACTURER'S NAME  
EXXON CHEMICAL AMERICAS  
ADDRESS (Number, Street, City, State and ZIP Code)  
P. O. BOX 3272, HOUSTON, TEXAS 77001

EMERGENCY TELEPHONE NO.

713 - 870-6000

TRADE NAME  
Isopropyl Alcohol Anhydrous, Isopropanol Anhydrous  
CHEMICAL NAME  
2-propanol  
CHEMICAL FAMILY  
Aliphatic Alcohol  
CHEMICAL FORMULA  
(CH<sub>3</sub>)<sub>2</sub>CHOH

## SECTION II - HAZARDOUS COMPONENTS OF MIXTURES

The precise composition of this product is proprietary information. A more detailed disclosure will be provided by Exxon Medical or Industrial Hygiene personnel to qualified Medical or Industrial Hygiene personnel as privileged information upon request in case of need for specific treatment.

Not Applicable to High Purity Chemicals.

CLEAN WIPE  
ALCOHOL SWABS

*This is the only sheet we would have for*

## SECTION III - TYPICAL PHYSICAL DATA

APPEARANCE	7	ODOR	10
Clear, colorless liquid.		Alcohol type odor.	
BOILING POINT (°F/°C)	9	SPECIFIC GRAVITY/ 60°/50° F (15.5/15.5°C)	13
82°C (180°F)		0.79 at 15.5/15.5°C (60/60°F)	
VAPOR PRESSURE (mm Hg @ 100°F/33°C)	11	PERCENT VOLATILE (BY VOLUME) COMPONENTS WITH B.P. EQUAL TO OR LESS THAN 212°F/100°C	12
90 mm Hg at 38°C (100°F)		100%	
VAPOR DENSITY (AIR = 1)	13	EVAPORATION RATE (N-BUTYL ACETATE = 1)	14
2.1		2.4	
SOLUBILITY IN WATER	15		16
Completely			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (°F/°C SETA CC - ASTM D3278)	17	FLAMMABLE LIMITS (PERCENT BY VOLUME)	18	LEL	UEL	19
Tag closed cup 12°C (53°F)				2.0	12.0	
FIRE EXTINGUISHING MEDIA	20					
Dry chemical or alcohol-type foam. Waterspray may be ineffective.						
SPECIAL FIRE FIGHTING PROCEDURES	21					
Use waterspray to cool fire-exposed surfaces and to protect personnel.						
UNUSUAL FIRE AND EXPLOSION HAZARDS	22					
WARNING! This product is FLAMMABLE. Respiratory protection required for fire fighting personnel. Stay upwind, if possible. Cool exposed tanks with water.						

## HAZARDOUS PRODUCTS OF COMBUSTION

unusal products of combustion.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as

to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement.

(over)

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE(S)

OSHA

400 ppm

ACGIH - 1981

400 ppm

OTHER

EFFECTS OF OVEREXPOSURE

ACUTE

Vapor irritates eyes, nose &amp; throat. Liquid will damage eye tissue.

CHRONIC

Prolonged and/or repeated skin contact may be irritating.

## EMERGENCY AND FIRST AID PROCEDURES

If overcome by vapors, remove to fresh air and if breathing stopped, give artificial respiration. Keep individual calm. Call a physician. If eye contact occurs, flush with water for at least 15 minutes and call a physician.

## SECTION VI - ACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

Not Applicable.

## INCOMPATIBILITY (MATERIALS TO AVOID FOR PURPOSES OF TRANSPORT, HANDLING &amp; STORAGE ONLY)

Alkyiene oxides, acid anhydrides, inorganic acids, organic acids, halogens, phosphorus trichloride, aldehydes, monomers, polymerizable esters, hydrogen with palladium and storing this product in aluminum vessels.

## HAZARDOUS DECOMPOSITION PRODUCTS

NONE

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Keep public away. Shut off source if possible to do so without hazard. Eliminate sources of ignition. Warn occupants of downwind areas of explosion hazard. Prevent liquid from entering sewers, watercourses or low areas.

## WASTE DISPOSAL (INSURE CONFORMITY WITH LOCAL DISPOSAL REGULATIONS)

Contain spilled liquid with sand or earth. Dilute contained spill with water. Recover free liquid by pumping or with a suitable absorbant. Consult a disposal expert and ensure conformity to local regulation.

## SECTION VIII - PERSONAL PROTECTION INFORMATION

## RESPIRATORY PROTECTION

Use approved respiratory protection such as air-supplied mask if used in enclosed space.

VENTILATION

LOCAL EXHAUST

Face velocity &gt; 60 fpm in confined space.

SPECIAL

MECHANICAL (General)

Explosion-proof ventilation equipment.

OTHER

No smoking or open lights.

## PROTECTIVE GLOVES

Chemically resistant gloves.

## EYE PROTECTION

Chemical splash goggles or face shield.

## OTHER PROTECTIVE EQUIPMENT

Usually not needed.

## SECTION IX - HANDLING AND STORAGE PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING. Keep container closed when not in use. Do not handle or store near flame, heat or strong oxidants. Adequate ventilation required. Containers of material may be hazardous when emptied. Emptied containers retain product residues (vapor, liquid, etc.). Observe all Hazard Precautions outlined in this sheet.

## OTHER PRECAUTIONS

All handling equipment should be electrically grounded.

DATE OF ISSUE

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REVIEWED BY:

☐ NEW☒ REVISED

SUPERSEDES

10/78

Industrial Hygiene Coordinator