

**Common Name:** PURELL ADVANCED HAND SANITIZER GREEN CERTIFIED GEL, 40000000408

**Manufacturer:** GOJO INDUSTRIES

**SDS Revision Date:** 5/27/2020

**SDS Format:** GHS-US

**Item Number(s):** 12Z347, 12Z351, 15E325, 15E330, 20W433, 20W440, 20W453, 43GC68, 43GC80, 43GC82, 43GC83, 43GC90, 56JM39

**Manufacturer Model Number(s):**

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GOJO (R\*)

SAFETY DATA SHEET

PURELL(R\*) ADVANCED HAND SANITIZER GREEN CERTIFIED GEL

VERSION: 1.0

SDS NUMBER: 40000000408

REVISION DATE: 05/27/2020

## SECTION 1. IDENTIFICATION



PRODUCT NAME: PURELL(R\*) ADVANCED HAND SANITIZER GREEN CERTIFIED GEL

MANUFACTURER OR SUPPLIER'S DETAILS:

COMPANY NAME OF SUPPLIER: GOJO INDUSTRIES, INC.

ADDRESS:

ONE GOJO PLAZA, SUITE 500  
AKRON, OHIO 44311

TELEPHONE: 1 (330) 255-6000

EMERGENCY TELEPHONE NUMBER:

CHEMTREC: 1-800-424-9300

CHEMTREC: +1-703-527-3887 OUTSIDE USA & CANADA

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

RECOMMENDED USE: HAND SANITIZER

RESTRICTIONS ON USE:

THIS IS A PERSONAL CARE OR COSMETIC PRODUCT THAT IS SAFE FOR CONSUMERS AND OTHER USERS UNDER NORMAL AND REASONABLY FORESEEABLE USE. COSMETICS AND CONSUMER PRODUCTS, SPECIFICALLY DEFINED BY REGULATIONS AROUND THE WORLD,

ARE EXEMPT FROM THE REQUIREMENT OF AN SDS FOR THE CONSUMER. WHILE THIS MATERIAL IS NOT CONSIDERED HAZARDOUS, THIS SDS CONTAINS VALUABLE INFORMATION CRITICAL TO THE SAFE HANDLING AND PROPER USE OF THE PRODUCT FOR INDUSTRIAL WORKPLACE CONDITIONS AS WELL AS UNUSUAL AND UNINTENDED EXPOSURES SUCH AS LARGE SPILLS. THIS SDS SHOULD BE RETAINED AND AVAILABLE FOR EMPLOYEES AND OTHER USERS OF THIS PRODUCT. FOR SPECIFIC INTENDED-USE GUIDANCE, PLEASE REFER TO THE INFORMATION PROVIDED ON THE PACKAGE OR INSTRUCTION SHEET.

## SECTION 2. HAZARDS IDENTIFICATION



### GHS CLASSIFICATION:

FLAMMABLE LIQUIDS: CATEGORY 3

EYE IRRITATION: CATEGORY 2A

### GHS LABEL ELEMENTS:

#### HAZARD PICTOGRAMS:

FLAME

EXCLAMATION MARK

SIGNAL WORD: WARNING

### HAZARD STATEMENTS:

H226: FLAMMABLE LIQUID AND VAPOUR.

H319: CAUSES SERIOUS EYE IRRITATION.

### PRECAUTIONARY STATEMENTS:

#### PREVENTION:

P210: KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO SMOKING.

P233: KEEP CONTAINER TIGHTLY CLOSED.

P240: GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT.

P241: USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING/EQUIPMENT.

P242: USE ONLY NON-SPARKING TOOLS.

P243: TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE.

P280: WEAR EYE PROTECTION/FACE PROTECTION.

#### RESPONSE:

P305 + P351 + P338:

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

P337 + P313:

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

P370 + P378:

IN CASE OF FIRE:

USE DRY SAND, DRY CHEMICAL OR ALCOHOL-RESISTANT FOAM TO EXTINGUISH.

#### STORAGE:

P403 + P235: STORE IN A WELL-VENTILATED PLACE. KEEP COOL.

#### DISPOSAL:

P501: DISPOSE OF CONTENTS/CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT.

OTHER HAZARDS: NONE KNOWN.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS



### HAZARDOUS COMPONENTS:

CHEMICAL NAME	CAS-NO.	CONCENTRATION (%)
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ETHYL ALCOHOL	64-17-5	>=50 - <70
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ISOPROPYL ALCOHOL	67-63-0	>=1 - <5
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## SECTION 4. FIRST AID MEASURES



### GENERAL ADVICE:

IN THE CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY. WHEN SYMPTOMS PERSIST OR IN ALL CASES OF DOUBT SEEK MEDICAL

ADVICE.

IF INHALED:

IF INHALED, REMOVE TO FRESH AIR.

IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

IN CASE OF SKIN CONTACT:

WASH WITH WATER AND SOAP AS A PRECAUTION.

GET MEDICAL ATTENTION IF IRRITATION DEVELOPS AND PERSISTS.

IN CASE OF EYE CONTACT:

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

IF EASY TO DO, REMOVE CONTACT LENS, IF WORN.

SEEK MEDICAL ADVICE.

IF SWALLOWED:

IF SWALLOWED, DO NOT INDUCE VOMITING.

RINSE MOUTH WITH WATER.

OBTAIN MEDICAL ATTENTION.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

CAUSES SERIOUS EYE IRRITATION.

PROTECTION OF FIRST-AIDERS:

FIRST AID RESPONDERS SHOULD PAY ATTENTION TO SELF-PROTECTION AND USE THE RECOMMENDED PROTECTIVE CLOTHING

## SECTION 5. FIREFIGHTING MEASURES



SUITABLE EXTINGUISHING MEDIA:

USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

UNSUITABLE EXTINGUISHING MEDIA: HIGH VOLUME WATER JET

SPECIFIC HAZARDS DURING FIREFIGHTING:

DO NOT USE A SOLID WATER STREAM AS IT MAY SCATTER AND SPREAD FIRE.

COOL CLOSED CONTAINERS EXPOSED TO FIRE WITH WATER SPRAY.

FLASH BACK POSSIBLE OVER CONSIDERABLE DISTANCE.

MAY FORM EXPLOSIVE MIXTURES IN AIR.

EXPOSURE TO DECOMPOSITION PRODUCTS MAY BE A HAZARD TO HEALTH.

CARBON OXIDES

HAZARDOUS COMBUSTION PRODUCTS: CARBON OXIDES

SPECIFIC EXTINGUISHING METHODS:

USE EXTINGUISHING MEASURES THAT ARE APPROPRIATE TO LOCAL CIRCUMSTANCES AND THE SURROUNDING ENVIRONMENT.

USE WATER SPRAY TO COOL UNOPENED CONTAINERS.

FURTHER INFORMATION:

COLLECT CONTAMINATED FIRE EXTINGUISHING WATER SEPARATELY. THIS MUST NOT BE DISCHARGED INTO DRAINS.

FIRE RESIDUES AND CONTAMINATED FIRE EXTINGUISHING WATER MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

IN THE EVENT OF FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS.

USE PERSONAL PROTECTIVE EQUIPMENT.

## SECTION 6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

USE PERSONAL PROTECTIVE EQUIPMENT.

ENSURE ADEQUATE VENTILATION.

REMOVE ALL SOURCES OF IGNITION.

EVACUATE PERSONNEL TO SAFE AREAS.

KEEP PEOPLE AWAY FROM AND UPWIND OF SPILL/LEAK.

MATERIAL CAN CREATE SLIPPERY CONDITIONS.

ENVIRONMENTAL PRECAUTIONS:

DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED.

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO.

RETAIN AND DISPOSE OF CONTAMINATED WASH WATER.

LOCAL AUTHORITIES SHOULD BE ADVISED IF SIGNIFICANT SPILLAGES CANNOT BE CONTAINED.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

NON-SPARKING TOOLS SHOULD BE USED.

SOAK UP WITH INERT ABSORBENT MATERIAL.

SUPPRESS (KNOCK DOWN) GASES/VAPOURS/MISTS WITH A WATER SPRAY JET.

KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL.

CLEAN CONTAMINATED FLOORS AND OBJECTS THOROUGHLY WHILE OBSERVING ENVIRONMENTAL REGULATIONS.

**SECTION 7. HANDLING AND STORAGE**



ADVICE ON SAFE HANDLING:

FOR PERSONAL PROTECTION SEE SECTION 8.

KEEP AWAY FROM HEAT.

USE WITH LOCAL EXHAUST VENTILATION.

AVOID CONTACT WITH EYES.

CONDITIONS FOR SAFE STORAGE:

TAKE MEASURES TO PREVENT THE BUILD UP OF ELECTROSTATIC CHARGE.

KEEP IN PROPERLY LABELED CONTAINERS.

KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE.

STORE IN ACCORDANCE WITH THE PARTICULAR NATIONAL REGULATIONS.

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



COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:

COMPONENTS	CAS-NO.	VALUE TYPE (FORM OF EXPOSURE)	CONTROL PARAMETERS / PERMISSIBLE CONCENTRATION	BASIS
ETHYL ALCOHOL	64-17-5	TWA	1,000 PPM 1,900 MG/M3	NIOSH REL
		TWA	1,000 PPM 1,900 MG/M3	OSHA Z-1
		STEL	1,000 PPM	ACGIH
ISOPROPYL ALCOHOL	67-63-0	TWA	200 PPM	ACGIH
		STEL	400 PPM	ACGIH
		TWA	400 PPM 980 MG/M3	NIOSH REL
		ST	500 PPM 1,225 MG/M3	NIOSH REL
	TWA	400 PPM 980 MG/M3	OSHA Z-1	

BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS:

COMPONENTS	CAS-NO.	CONTROL PARAMETERS	BIOLOGICAL SPECIMEN	SAMPLING TIME	PERMISSIBLE CONCENTR- ATION	BASIS
ISOPROPYL ALCOHOL	67-63-0	ACETONE	URINE	END OF SHIFT AT END OF	40 MG/L	ACGIH BEI

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION:  
NO PERSONAL RESPIRATORY PROTECTIVE EQUIPMENT NORMALLY REQUIRED.

HAND PROTECTION:

REMARKS: NO SPECIAL PROTECTIVE EQUIPMENT REQUIRED.

EYE PROTECTION:  
WEAR FACE-SHIELD AND PROTECTIVE SUIT FOR ABNORMAL PROCESSING PROBLEMS.

SKIN AND BODY PROTECTION:  
NO SPECIAL MEASURES NECESSARY PROVIDED PRODUCT IS USED CORRECTLY.

PROTECTIVE MEASURES:

CHOOSE BODY PROTECTION IN RELATION TO ITS TYPE, TO THE CONCENTRATION AND AMOUNT OF DANGEROUS SUBSTANCES, AND TO THE SPECIFIC WORK-PLACE.

ENSURE THAT EYE FLUSHING SYSTEMS AND SAFETY SHOWERS ARE LOCATED CLOSE TO THE WORKING PLACE.

HYGIENE MEASURES:  
HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE.  
AVOID CONTACT WITH EYES.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



APPEARANCE: LIQUID

COLOUR: CLEAR, COLOURLESS, YELLOW

ODOUR: ALCOHOL-LIKE

ODOUR THRESHOLD: NO DATA AVAILABLE

PH: 6.5 - 8.5, (20 DEG. C)

MELTING POINT/FREEZING POINT: NO DATA AVAILABLE

INITIAL BOILING POINT AND BOILING RANGE: NO DATA AVAILABLE

FLASH POINT: 24 DEG. C

EVAPORATION RATE: NO DATA AVAILABLE

FLAMMABILITY (SOLID, GAS): NOT APPLICABLE

FLAMMABILITY (LIQUIDS):  
UPPER EXPLOSION LIMIT: NO DATA AVAILABLE  
LOWER EXPLOSION LIMIT: NO DATA AVAILABLE

VAPOUR PRESSURE: NO DATA AVAILABLE

RELATIVE VAPOUR DENSITY: NO DATA AVAILABLE

DENSITY: 0.8743 G/CM3

SOLUBILITY (IES):  
WATER SOLUBILITY: SOLUBLE

PARTITION COEFFICIENT N-OCTANOL/WATER: NOT APPLICABLE

AUTO-IGNITION TEMPERATURE: NO DATA AVAILABLE

THERMAL DECOMPOSITION:  
THE SUBSTANCE OR MIXTURE IS NOT CLASSIFIED SELF-REACTIVE.

VISCOSITY:  
VISCOSITY, KINEMATIC: 3500 - 23000 MM2/S (20 DEG. C)

EXPLOSIVE PROPERTIES: NOT EXPLOSIVE

OXIDIZING PROPERTIES:  
THE SUBSTANCE OR MIXTURE IS NOT CLASSIFIED AS OXIDIZING.

## SECTION 10. STABILITY AND REACTIVITY



REACTIVITY: NOT CLASSIFIED AS A REACTIVITY HAZARD.

CHEMICAL STABILITY: STABLE UNDER NORMAL CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS:  
VAPOURS MAY FORM EXPLOSIVE MIXTURE WITH AIR.

CONDITIONS TO AVOID: HEAT, FLAMES AND SPARKS.

INCOMPATIBLE MATERIALS: STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS:  
NO HAZARDOUS DECOMPOSITION PRODUCTS ARE KNOWN.

## SECTION 11. TOXICOLOGICAL INFORMATION



INFORMATION ON LIKELY ROUTES OF EXPOSURE:  
INHALATION  
EYE CONTACT  
SKIN CONTACT

ACUTE TOXICITY: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

COMPONENTS:

ETHYL ALCOHOL:

ACUTE ORAL TOXICITY:  
LD50 (RAT): >5,000 MG/KG

ACUTE INHALATION TOXICITY:  
LC50 (RAT): 124.7 MG/L  
EXPOSURE TIME: 4 H  
TEST ATMOSPHERE: VAPOUR

ISOPROPYL ALCOHOL:

ACUTE ORAL TOXICITY:  
LD50 (RAT): >5,000 MG/KG

ACUTE INHALATION TOXICITY:  
LC50 (RAT): 72.6 MG/L  
EXPOSURE TIME: 4 H  
TEST ATMOSPHERE: VAPOUR

ACUTE DERMAL TOXICITY:  
LD50 (RAT): >5,000 MG/KG

SKIN CORROSION/IRRITATION: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

COMPONENTS:

ETHYL ALCOHOL:  
SPECIES: RABBIT  
METHOD: OECD TEST GUIDELINE 404  
RESULT: NO SKIN IRRITATION

ISOPROPYL ALCOHOL:  
SPECIES: RABBIT  
RESULT: NO SKIN IRRITATION

SERIOUS EYE DAMAGE/EYE IRRITATION: CAUSES SERIOUS EYE IRRITATION.

COMPONENTS:

ETHYL ALCOHOL:  
SPECIES: RABBIT  
RESULT: IRRITATION TO EYES, REVERSING WITHIN 21 DAYS  
METHOD: OECD TEST GUIDELINE 405

ISOPROPYL ALCOHOL:  
SPECIES: RABBIT  
RESULT: IRRITATION TO EYES, REVERSING WITHIN 21 DAYS

RESPIRATORY OR SKIN SENSITIZATION:

SKIN SENSITIZATION: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

RESPIRATORY SENSITIZATION: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

COMPONENTS:

ETHYL ALCOHOL:

TEST TYPE: LOCAL LYMPH NODE ASSAY (LLNA)  
EXPOSURE ROUTES: SKIN CONTACT  
SPECIES: MOUSE  
RESULT: NEGATIVE

ISOPROPYL ALCOHOL:

TEST TYPE: BUEHLER TEST  
EXPOSURE ROUTES: SKIN CONTACT  
SPECIES: GUINEA PIG  
METHOD: OECD TEST GUIDELINE 406  
RESULT: NEGATIVE

GERM CELL MUTAGENICITY: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

COMPONENTS:

ETHYL ALCOHOL:

GENOTOXICITY IN VITRO:

TEST TYPE: IN VITRO MAMMALIAN CELL GENE MUTATION TEST  
RESULT: NEGATIVE

GENOTOXICITY IN VIVO:

TEST TYPE: RODENT DOMINANT LETHAL TEST (GERM CELL) (IN VIVO)  
TEST SPECIES: MOUSE  
APPLICATION ROUTE: INGESTION  
RESULT: NEGATIVE

ISOPROPYL ALCOHOL:

GENOTOXICITY IN VITRO:

TEST TYPE: BACTERIAL REVERSE MUTATION ASSAY (AMES)  
RESULT: NEGATIVE

GENOTOXICITY IN VIVO:

TEST TYPE:

MAMMALIAN ERYTHROCYTE MICRONUCLEUS TEST (IN VIVO CYTOGENETIC ASSAY)

TEST SPECIES: MOUSE

APPLICATION ROUTE: INTRAPERITONEAL INJECTION

RESULT: NEGATIVE

CARCINOGENICITY: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

COMPONENTS:

ISOPROPYL ALCOHOL:

SPECIES: RAT  
APPLICATION ROUTE: INHALATION (VAPOUR)  
EXPOSURE TIME: 104 WEEKS  
METHOD: OECD TEST GUIDELINE 451  
RESULT: NEGATIVE

IARC:

NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC.

OSHA:

NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA.

NTP:

NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.

REPRODUCTIVE TOXICITY: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

COMPONENTS:

ETHYL ALCOHOL:

EFFECTS ON FERTILITY:

TEST TYPE: TWO-GENERATION REPRODUCTION TOXICITY STUDY

SPECIES: MOUSE

APPLICATION ROUTE: INGESTION

METHOD: OECD TEST GUIDELINE 416

RESULT: NEGATIVE

ISOPROPYL ALCOHOL:

EFFECTS ON FERTILITY:

TEST TYPE: TWO-GENERATION REPRODUCTION TOXICITY STUDY

SPECIES: RAT

APPLICATION ROUTE: INGESTION

RESULT: NEGATIVE

EFFECTS ON FOETAL DEVELOPMENT:

TEST TYPE: EMBRYO-FOETAL DEVELOPMENT

SPECIES: RAT

APPLICATION ROUTE: INGESTION

RESULT: NEGATIVE

STOT - SINGLE EXPOSURE: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

COMPONENTS:

ISOPROPYL ALCOHOL:

ASSESSMENT: MAY CAUSE DROWSINESS OR DIZZINESS.

STOT - REPEATED EXPOSURE: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

REPEATED DOSE TOXICITY:

COMPONENTS:

ETHYL ALCOHOL:

SPECIES: RAT

NOAEL: 2,400 MG/KG

APPLICATION ROUTE: INGESTION

EXPOSURE TIME: 2 Y

ISOPROPYL ALCOHOL:

SPECIES: RAT

NOAEL: 5000 PPM

APPLICATION ROUTE: INHALATION (VAPOUR)

EXPOSURE TIME: 104 W

METHOD: OECD TEST GUIDELINE 413

ASPIRATION TOXICITY: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

## SECTION 12. ECOLOGICAL INFORMATION



ECOTOXICITY:

COMPONENTS:

ETHYL ALCOHOL:

TOXICITY TO FISH:

LC50 (PIMEPHALES PROMELAS (FATHEAD MINNOW)): >1,000 MG/L

EXPOSURE TIME: 96 H

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES:

EC50 (DAPHNIA MAGNA (WATER FLEA)): >1,000 MG/L

EXPOSURE TIME: 48 H

TOXICITY TO ALGAE:

EC50 (CHLORELLA VULGARIS (FRESH WATER ALGAE)): 275 MG/L

EXPOSURE TIME: 72 H

METHOD: OECD TEST GUIDELINE 201

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES (CHRONIC TOXICITY):

NOEC (DAPHNIA MAGNA (WATER FLEA)): 9.6 MG/L

EXPOSURE TIME: 9 D

TOXICITY TO BACTERIA:

EC50 (PHOTOBACTERIUM PHOSPHOREUM): 32.1 MG/L

EXPOSURE TIME: 0.25 H

ISOPROPYL ALCOHOL:

TOXICITY TO FISH:

LC50 (PIMEPHALES PROMELAS (FATHEAD MINNOW)): 10,000 MG/L  
EXPOSURE TIME: 96 H

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES:

EC50 (DAPHNIA MAGNA (WATER FLEA)): >10,000 MG/L  
EXPOSURE TIME: 24 H

TOXICITY TO BACTERIA:

EC50 (PSEUDOMONAS PUTIDA): >1,050 MG/L  
EXPOSURE TIME: 16 H

PERSISTENCE AND DEGRADABILITY:

COMPONENTS:

ETHYL ALCOHOL:

BIODEGRADABILITY:

RESULT: READILY BIODEGRADABLE.  
BIODEGRADATION: 84%  
EXPOSURE TIME: 20 D

ISOPROPYL ALCOHOL:

BIODEGRADABILITY:

RESULT: RAPIDLY DEGRADABLE

BIOACCUMULATIVE POTENTIAL:

COMPONENTS:

ETHYL ALCOHOL:

PARTITION COEFFICIENT N-OCTANOL/WATER:  
LOG POW: -0.35

ISOPROPYL ALCOHOL:

PARTITION COEFFICIENT N-OCTANOL/WATER:  
LOG POW: 0.05

MOBILITY IN SOIL: NO DATA AVAILABLE

OTHER ADVERSE EFFECTS: NO DATA AVAILABLE

PRODUCT:

REGULATION:

40 CFR PROTECTION OF ENVIRONMENT; PART 82 PROTECTION OF STRATOSPHERIC  
OZONE - CAA SECTION 602 CLASS I SUBSTANCES

REMARKS:

THIS PRODUCT NEITHER CONTAINS, NOR WAS MANUFACTURED WITH A CLASS I  
OR CLASS II ODS AS DEFINED BY THE U.S. CLEAN AIR ACT SECTION 602  
(40 CFR 82, SUBPT. A, APP.A + B).

### SECTION 13. DISPOSAL CONSIDERATIONS



DISPOSAL METHODS:

WASTE FROM RESIDUES: DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS.

CONTAMINATED PACKAGING:

DISPOSE OF AS UNUSED PRODUCT.

EMPTY CONTAINERS SHOULD BE TAKEN TO AN APPROVED WASTE HANDLING SITE FOR  
RECYCLING OR DISPOSAL.

### SECTION 14. TRANSPORT INFORMATION



INTERNATIONAL REGULATION:

IATA-DGR:

UN/ID NO.: UN 1987  
PROPER SHIPPING NAME: ALCOHOLS, N.O.S. (ETHANOL, PROPAN-2-OL)  
CLASS: 3  
PACKING GROUP: III  
PACKING INSTRUCTION (CARGO AIRCRAFT): 366  
PACKING INSTRUCTION (PASSENGER AIRCRAFT): 355

IMDG-CODE:  
UN NUMBER: UN 1987  
PROPER SHIPPING NAME: ALCOHOLS, N.O.S. (ETHANOL, PROPAN-2-OL)  
CLASS: 3  
PACKING GROUP: III  
LABELS: 3  
EMS CODE: F-E, S-D  
MARINE POLLUTANT: NO

NATIONAL REGULATIONS:

49 CFR:  
UN/ID/NA NUMBER: UN 1987  
PROPER SHIPPING NAME: ALCOHOLS, N.O.S.  
CLASS: 3  
PACKING GROUP: III  
ERG CODE: 127  
MARINE POLLUTANT: NO

**SECTION 15. REGULATORY INFORMATION**



EPCRA - EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT:

CERCLA REPORTABLE QUANTITY:  
THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A CERCLA RQ.

SARA 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTABLE QUANTITY:  
THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A SECTION 304 EHS RQ.

SARA 311/312 HAZARDS:  
FIRE HAZARD  
ACUTE HEALTH HAZARD

SARA 302:  
NO CHEMICALS IN THIS MATERIAL ARE SUBJECT TO THE REPORTING REQUIREMENTS OF  
SARA TITLE III, SECTION 302.

SARA 313:

THE FOLLOWING COMPONENTS ARE SUBJECT TO REPORTING LEVELS ESTABLISHED BY  
SARA TITLE III, SECTION 313:

ISOPROPYL ALCOHOL 67-63-0 3.4086%

CLEAN AIR ACT:

THIS PRODUCT DOES NOT CONTAIN ANY HAZARDOUS AIR POLLUTANTS (HAP), AS  
DEFINED BY THE U.S. CLEAN AIR ACT SECTION 12 (40 CFR 61).

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS LISTED UNDER THE U.S. CLEAN AIR  
ACT SECTION 112(R) FOR ACCIDENTAL RELEASE PREVENTION (40 CFR 68.130,  
SUBPART F).

THE FOLLOWING CHEMICAL(S) ARE LISTED UNDER THE U.S. CLEAN AIR ACT SECTION  
111 SOCM I INTERMEDIATE OR FINAL VOC'S (40 CFR 60.489):

ETHYL ALCOHOL 64-17-5 65.2821%

ISOPROPYL ALCOHOL 67-63-0 3.4086%

THIS PRODUCT DOES NOT CONTAIN ANY VOC EXEMPTIONS LISTED UNDER THE U.S.  
CLEAN AIR ACT SECTION 450.

CLEAN WATER ACT:  
THIS PRODUCT DOES NOT CONTAIN ANY TOXIC POLLUTANTS LISTED UNDER THE U.S.  
CLEAN WATER ACT SECTION 307

US STATE REGULATIONS:

MASSACHUSETTS RIGHT TO KNOW:

ETHYL ALCOHOL 64-17-5 50 - 70%

ISOPROPYL ALCOHOL 67-63-0 1 - 5%

PENNSYLVANIA RIGHT TO KNOW:

ETHYL ALCOHOL 64-17-5 50 - 70%

WATER (AQUA) 7732-18-5 20 - 30%

ISOPROPYL ALCOHOL 67-63-0 1 - 5%

NEW JERSEY RIGHT TO KNOW:

ETHYL ALCOHOL 64-17-5 50 - 70%

WATER (AQUA) 7732-18-5 20 - 30%

ISOPROPYL ALCOHOL 67-63-0 1 - 5%

CALIFORNIA PROP 65:

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN TO STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR ANY OTHER REPRODUCTIVE HARM.

THE COMPONENTS OF THIS PRODUCT ARE REPORTED IN THE FOLLOWING INVENTORIES:

TSCA: ON TSCA INVENTORY

AICS: ON THE INVENTORY, OR IN COMPLIANCE WITH THE INVENTORY

DSL: ON THE INVENTORY, OR IN COMPLIANCE WITH THE INVENTORY

ENCS: ON THE INVENTORY, OR IN COMPLIANCE WITH THE INVENTORY

ISHL: ON THE INVENTORY, OR IN COMPLIANCE WITH THE INVENTORY

KECI: ON THE INVENTORY, OR IN COMPLIANCE WITH THE INVENTORY

PICCS: ON THE INVENTORY, OR IN COMPLIANCE WITH THE INVENTORY

IECSC: ON THE INVENTORY, OR IN COMPLIANCE WITH THE INVENTORY

NZIOC: ON THE INVENTORY, OR IN COMPLIANCE WITH THE INVENTORY

INVENTORIES:

AICS (AUSTRALIA), DSL (CANADA), IECSC (CHINA), REACH (EUROPEAN UNION), ENCS (JAPAN), ISHL (JAPAN), KECI (KOREA), NZIOC (NEW ZEALAND), PICCS (PHILIPPINES), TCSI (TAIWAN), TSCA (USA)

## SECTION 16. OTHER INFORMATION



FURTHER INFORMATION:

NFPA:

HEALTH 2

FLAMMABILITY 3

INSTABILITY 0

SPECIAL HAZARD.

HMS III:

HEALTH 2

FLAMMABILITY 3

PHYSICAL HAZARD 0

0 = NOT SIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

4 = EXTREME

\* = CHRONIC

REVISION DATE: 05/27/2020

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