

 Close this window

SDS

Common Name: PURELL FOOD PROCESSING SURFACE SANITIZER - FINISHED PRODUCT USE ONLY

Manufacturer: GOJO INDUSTRIES

SDS Revision Date: 2/6/2017

SDS Format: GHS-US

Item Number(s): 422L29, 422L30, 422L31, 54ZV32, 54ZV33, 54ZV34

Manufacturer Model Number(s):

SDS Table of Contents

Click the desired link below to jump directly to that section in the SDS.

[SECTION 1. IDENTIFICATION](#)

[SECTION 2. HAZARDS IDENTIFICATION](#)

[SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS](#)

[SECTION 4. FIRST AID MEASURES](#)

[SECTION 5. FIREFIGHTING MEASURES](#)

[SECTION 6. ACCIDENTAL RELEASE MEASURES](#)

[SECTION 7. HANDLING AND STORAGE](#)

[SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION](#)

[SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES](#)

[SECTION 10. STABILITY AND REACTIVITY](#)

[SECTION 11. TOXICOLOGICAL INFORMATION](#)

[SECTION 12. ECOLOGICAL INFORMATION](#)

[SECTION 13. DISPOSAL CONSIDERATIONS](#)

[SECTION 14. TRANSPORT INFORMATION](#)

[SECTION 15. REGULATORY INFORMATION](#)

[SECTION 16. OTHER INFORMATION](#)

GOJO (R*)

SAFETY DATA SHEET

PURELL(TM) FOOD PROCESSING SURFACE SANITIZER - FINISHED PRODUCT

VERSION: 1.0

SDS NUMBER: 400000005224

REVISION DATE: 02/06/2017

SECTION 1. IDENTIFICATION



PRODUCT NAME:

PURELL(TM) FOOD PROCESSING SURFACE SANITIZER - FINISHED PRODUCT USE ONLY

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: 1-800-424-9300 CHEMTREC

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:
RECOMMENDED USE: DISINFECTANTS AND GENERAL BIOCIDAL PRODUCTS

SECTION 2. HAZARDS IDENTIFICATION



GHS CLASSIFICATION:

FLAMMABLE LIQUIDS: CATEGORY 3

GHS LABEL ELEMENTS:

HAZARD PICTOGRAMS: FLAME

SIGNAL WORD: WARNING

HAZARD STATEMENTS:

H226: FLAMMABLE LIQUID AND VAPOUR.

PRECAUTIONARY STATEMENTS:

PREVENTION:

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

P233: KEEP CONTAINER TIGHTLY CLOSED.

P242: USE ONLY NON-SPARKING TOOLS.

P243: TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE.

RESPONSE:

P370 + P378:

IN CASE OF FIRE:

USE DRY SAND, DRY CHEMICAL OR ALCOHOL-RESISTANT FOAM FOR EXTINCTION.

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 (%) |
|-------------------|---------|-------------------|
| ETHYL ALCOHOL | 64-17-5 | >=20 - <35 |
| ISOPROPYL ALCOHOL | 67-63-0 | >=1 - <5 |

SECTION 4. FIRST AID MEASURES



GENERAL ADVICE:

IN THE CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY.

IF INHALED:

IF SENSITIVITY OCCURS, REMOVE TO FRESH AIR.

IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

IN CASE OF SKIN CONTACT:
IF SENSITIVITY OCCURS, WASH WITH SOAP AND WATER.
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 ATTENTION.

IF SWALLOWED: RINSE MOUTH WITH WATER. OBTAIN MEDICAL ATTENTION.

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:
WATER SPRAY
ALCOHOL-RESISTANT FOAM
CARBON DIOXIDE (CO2)
DRY CHEMICAL

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.

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:
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.
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.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:
NON-SPARKING TOOLS SHOULD BE USED.

SOAK UP WITH INERT ABSORBENT MATERIAL.

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: AVOID CONTACT WITH EYES.

CONDITIONS FOR SAFE STORAGE:
NO SMOKING.

TAKE MEASURES TO PREVENT THE BUILD UP OF ELECTROSTATIC CHARGE.
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 CONCENTRATION | BASIS |
|----------------------|---------|-----------------------|------------------------|--|------------------------------|--------------|
| ISOPROPYL ALCOHOL | 67-63-0 | ACETONE | URINE | END OF SHIFT AT END OF WORKWEEK | 40 MG/L | ACGIH BEI |

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION:
NO PERSONAL RESPIRATORY PROTECTIVE EQUIPMENT NORMALLY REQUIRED.

EYE PROTECTION:
NO SPECIAL MEASURES NECESSARY PROVIDED PRODUCT IS USED CORRECTLY.

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.

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: COLOURLESS

ODOUR: ALCOHOL-LIKE

ODOUR THRESHOLD: NO DATA AVAILABLE

PH: 12.6 - 12.9, (24 DEG. C)

MELTING POINT/FREEZING POINT: NO DATA AVAILABLE

INITIAL BOILING POINT AND BOILING RANGE: 77 DEG. C

FLASH POINT: 30.8 DEG. C

METHOD: PENSKY-MARTENS CLOSED CUP

EVAPORATION RATE: NO DATA AVAILABLE

FLAMMABILITY (SOLID, GAS): NOT APPLICABLE

UPPER EXPLOSION LIMIT: 19% (V)

LOWER EXPLOSION LIMIT: 3.3% (V)

VAPOUR PRESSURE: NO DATA AVAILABLE

RELATIVE VAPOUR DENSITY: NO DATA AVAILABLE

RELATIVE DENSITY: NO DATA AVAILABLE

DENSITY: 0.952 G/CM³

SOLUBILITY (IES):

WATER SOLUBILITY: SOLUBLE

PARTITION COEFFICIENT N-OCTANOL/WATER: NOT APPLICABLE

AUTO-IGNITION TEMPERATURE: NOT DETERMINED

THERMAL DECOMPOSITION:

THE SUBSTANCE OR MIXTURE IS NOT CLASSIFIED SELF-REACTIVE.

VISCOSITY:

VISCOSITY, DYNAMIC: 2.6 MPA.S

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.

POSSIBILITY OF HAZARDOUS REACTIONS:

VAPOURS MAY FORM EXPLOSIVE MIXTURE WITH AIR.

CONDITIONS TO AVOID: HEAT, FLAMES AND SPARKS.

INCOMPATIBLE MATERIALS: OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS:

NO HAZARDOUS DECOMPOSITION PRODUCTS ARE KNOWN.

SECTION 11. TOXICOLOGICAL INFORMATION



INFORMATION ON LIKELY ROUTES OF EXPOSURE:

INHALATION

SKIN CONTACT

EYE 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.

PRODUCT:

RESULT: NO SKIN IRRITATION

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:

NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

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.

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.

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.

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.

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. (ETHANOL, PROPAN-2-OL)
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:

| COMPONENTS | CAS-NO. | COMPONENT RQ (LBS) | CALCULATED PRODUCT RQ (LBS) |
|------------|---------|--------------------|-----------------------------|
|------------|---------|--------------------|-----------------------------|

| | | | |
|---------------------|-----------|------|---|
| POTASSIUM HYDROXIDE | 1310-58-3 | 1000 | * |
|---------------------|-----------|------|---|

*: CALCULATED RQ EXCEEDS REASONABLY ATTAINABLE UPPER LIMIT.

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

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 | 1.42% |
|-------------------|---------|-------|

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 | 29.4% |
|---------------|---------|-------|

| | | |
|-------------------|---------|-------|
| ISOPROPYL ALCOHOL | 67-63-0 | 1.42% |
|-------------------|---------|-------|

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

THE FOLLOWING HAZARDOUS SUBSTANCES ARE LISTED UNDER THE U.S. CLEANWATER ACT, SECTION 311, TABLE 116.4A:

| | | |
|---------------------|-----------|-------|
| POTASSIUM HYDROXIDE | 1310-58-3 | 0.35% |
|---------------------|-----------|-------|

THE FOLLOWING HAZARDOUS CHEMICALS ARE LISTED UNDER THE U.S. CLEANWATER ACT, SECTION 311, TABLE 117.3:

| | | |
|---------------------|-----------|-------|
| POTASSIUM HYDROXIDE | 1310-58-3 | 0.35% |
|---------------------|-----------|-------|

MASSACHUSETTS RIGHT TO KNOW:

| | | |
|---------------|---------|----------|
| ETHYL ALCOHOL | 64-17-5 | 20 - 35% |
|---------------|---------|----------|

| | | |
|-------------------|---------|--------|
| ISOPROPYL ALCOHOL | 67-63-0 | 1 - 5% |
|-------------------|---------|--------|

MASSACHUSETTS RIGHT TO KNOW:

| | | |
|---------------|---------|----------|
| ETHYL ALCOHOL | 64-17-5 | 20 - 30% |
|---------------|---------|----------|

ISOPROPYL ALCOHOL 67-63-0 1 - 5%

PENNSYLVANIA RIGHT TO KNOW:

WATER (AQUA) 7732-18-5 70 - 90%

ETHYL ALCOHOL 64-17-5 20 - 35%

ISOPROPYL ALCOHOL 67-63-0 1 - 5%

POTASSIUM HYDROXIDE 1310-58-3 0.1 - 1%

PENNSYLVANIA RIGHT TO KNOW:

WATER (AQUA) 7732-18-5 70 - 90%

ETHYL ALCOHOL 64-17-5 20 - 30%

ISOPROPYL ALCOHOL 67-63-0 1 - 5%

POTASSIUM HYDROXIDE 1310-58-3 0.1 - 1%

NEW JERSEY RIGHT TO KNOW:

WATER (AQUA) 7732-18-5 70 - 90%

ETHYL ALCOHOL 64-17-5 20 - 35%

ISOPROPYL ALCOHOL 67-63-0 1 - 5%

NEW JERSEY RIGHT TO KNOW:

WATER (AQUA) 7732-18-5 70 - 90%

ETHYL ALCOHOL 64-17-5 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:

CH INV: ON THE INVENTORY, OR IN COMPLIANCE WITH THE INVENTORY

TSCA: ON TSCA INVENTORY

DSL: ALL COMPONENTS OF THIS PRODUCT ARE ON THE CANADIAN DSL.

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

NZIOC: 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

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 0

FLAMMABILITY 3

INSTABILITY 0
SPECIAL HAZARD.

HMIS III:

HEALTH 0
PHYSICAL HAZARD 0
FLAMMABILITY 3

0 = NOT SIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH
4 = EXTREME
* = CHRONIC

REVISION DATE: 02/06/2017

THE INFORMATION PROVIDED IN THIS SAFETY DATA SHEET IS CORRECT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION. THE INFORMATION GIVEN IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION. THE 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, UNLESS SPECIFIED IN THE TEXT.