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SDS

Common Name: 883AA ISOPROPYL ALCOHOL 99%**Manufacturer:** VI-JON**SDS Revision Date:** 4/11/2019**SDS Format:** GHS-US**Item Number(s):** 103AW5, 3WHL2, 3WHL3**Manufacturer Model Number(s):**

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V (SM)

VI-JON (R*)

SAFETY DATA SHEET

PRODUCT NUMBER: 883AA

PRODUCT NAME: ISOPROPYL ALCOHOL 99%

ISSUING DATE: MARCH 4, 2014

REVISION DATE: APRIL 11, 2019

REVISION NUMBER: 2

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1. IDENTIFICATION

PRODUCT IDENTIFIER:

PRODUCT NAME: 883AA ISOPROPYL ALCOHOL 99%

OTHER MEANS OF IDENTIFICATION:

PRODUCT CODE(S): N/A

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

RECOMMENDED USE: FIRST-AID

RESTRICTIONS ON USE: USE ONLY AS DIRECTED.

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

SUPPLIER NAME: VI-JON INC.

SUPPLIER ADDRESS:

VI-JON INC.

8800 PAGE AVENUE

SAINT LOUIS, MO 63114

US

SUPPLIER PHONE NUMBER:

PHONE: 314-427-1000 (M-F 8AM-4PM CST)

FAX: 3144271010

SUPPLIER EMAIL: INFO@VIJON.COM

EMERGENCY TELEPHONE NUMBER:

CHEMTREC: 1-800-424-9300 (24-HOUR)

2. HAZARDS IDENTIFICATION



CLASSIFICATION:

ACUTE TOXICITY - ORAL: CATEGORY 4

SERIOUS EYE DAMAGE/EYE IRRITATION: CATEGORY 2A

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): CATEGORY 3

FLAMMABLE LIQUIDS: CATEGORY 2

APPEARANCE: CLEAR, COLORLESS, WATER-THIN LIQUID

PHYSICAL STATE: WATER-THIN LIQUID

ODOR: ALCOHOL

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS:

DANGER:

HAZARD STATEMENTS:

HARMFUL IF SWALLOWED

CAUSES SERIOUS EYE IRRITATION

MAY CAUSE DROWSINESS OR DIZZINESS

HIGHLY FLAMMABLE LIQUID AND VAPOR

EXCLAMATION MARK

FLAME

PRECAUTIONARY STATEMENTS - PREVENTION:

WASH FACE, HANDS AND ANY EXPOSED SKIN THOROUGHLY AFTER HANDLING

DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT

WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION

AVOID BREATHING DUST/FUME/GAS/MIST/VAPORS/SPRAY

USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA

KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING

KEEP CONTAINER TIGHTLY CLOSED

GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT

USE ONLY NON-SPARKING TOOLS

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE

USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING/EQUIPMENT

KEEP COOL

EYES:

IF IN EYES:

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

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION

SKIN:

IF ON SKIN (OR HAIR):

REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER

INHALATION:

IF INHALED:

REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING

CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL

INGESTION:

IF SWALLOWED:

CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL

RINSE MOUTH

FIRE:

IN CASE OF FIRE: USE CO₂, DRY CHEMICAL, OR FOAM FOR EXTINCTION

PRECAUTIONARY STATEMENTS - STORAGE:

STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED
STORE LOCKED UP

PRECAUTIONARY STATEMENTS - DISPOSAL:

DISPOSE OF CONTENTS/CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT

OTHER INFORMATION:

MAY BE HARMFUL IF SWALLOWED. MAY BE HARMFUL IN CONTACT WITH SKIN. MAY BE HARMFUL IF INHALED.

UNKNOWN ACUTE TOXICITY:

99% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN TOXICITY

0% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE ORAL TOXICITY

0% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE DERMAL TOXICITY

99% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (GAS)

99% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (VAPOR)

0% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (DUST/MIST)

3. COMPOSITION/INFORMATION ON INGREDIENTS



SUBSTANCE: NOT APPLICABLE.

MIXTURE:

| CHEMICAL NAME | CAS-NO | WEIGHT-% | HAZARDOUS MATERIAL INFORMATION REVIEW ACT REGISTRY NUMBER (HMIRA REGISTRY #) | DATE HMIRA FILED AND DATE EXEMPTION GRANTED (IF APPLICABLE) |
|---------------------------------|-----------|----------|--|---|
| ISOPROPYL ALCOHOL 99% BY VOLUME | 67-63-0 | 50 - 100 | | |
| WATER | 7732-18-5 | 0 - 10 | XX-XXX-XXXX | FILED: 02/17/2016 GRANTED: 02/17/2016 |

4. FIRST AID MEASURES



FIRST AID MEASURES:

GENERAL ADVICE: SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.

INHALATION: REMOVE TO FRESH AIR.

IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION.

EYE CONTACT:

RINSE IMMEDIATELY WITH PLENTY OF WATER, ALSO UNDER THE EYELIDS, FOR AT LEAST 15 MINUTES. KEEP EYE WIDE OPEN WHILE RINSING. DO NOT RUB AFFECTED AREA. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS AND PERSISTS.

SKIN CONTACT:

WASH OFF IMMEDIATELY WITH SOAP AND PLENTY OF WATER WHILE REMOVING ALL CONTAMINATED CLOTHES AND SHOES.

INGESTION:

DO NOT INDUCE VOMITING. CLEAN MOUTH WITH WATER AND DRINK AFTERWARDS PLENTY OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN.

SELF-PROTECTION OF THE FIRST AIDER:

REMOVE ALL SOURCES OF IGNITION. ENSURE THAT MEDICAL PERSONNEL ARE AWARE OF THE MATERIAL(S) INVOLVED, TAKE PRECAUTIONS TO PROTECT THEMSELVES AND PREVENT SPREAD OF CONTAMINATION. USE PERSONAL PROTECTIVE EQUIPMENT AS

REQUIRED. SEE SECTION 8 FOR MORE INFORMATION. AVOID CONTACT WITH SKIN, EYES OR CLOTHING.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

SYMPTOMS:

BURNING SENSATION. INHALATION OF HIGH VAPOR CONCENTRATIONS MAY CAUSE SYMPTOMS LIKE HEADACHE, DIZZINESS, TIREDNESS, NAUSEA AND VOMITING.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

NOTE TO PHYSICIANS: TREAT SYMPTOMATICALLY.

5. FIRE-FIGHTING MEASURES



SUITABLE EXTINGUISHING MEDIA:

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

UNSUITABLE EXTINGUISHING MEDIA:

CAUTION: USE OF WATER SPRAY WHEN FIGHTING FIRE MAY BE INEFFICIENT.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

RISK OF IGNITION. KEEP PRODUCT AND EMPTY CONTAINER AWAY FROM HEAT AND SOURCES OF IGNITION. IN THE EVENT OF FIRE, COOL TANKS WITH WATER SPRAY. FIRE RESIDUES AND CONTAMINATED FIRE EXTINGUISHING WATER MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS.

HAZARDOUS COMBUSTION PRODUCTS: CARBON OXIDES.

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: NONE.

SENSITIVITY TO STATIC DISCHARGE: YES.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:

FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL FIREFIGHTING TURNOUT GEAR. USE PERSONAL PROTECTION EQUIPMENT.

6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PERSONAL PRECAUTIONS:

EVACUATE PERSONNEL TO SAFE AREAS. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. SEE SECTION 8 FOR MORE INFORMATION. AVOID CONTACT WITH SKIN, EYES OR CLOTHING. ENSURE ADEQUATE VENTILATION. KEEP PEOPLE AWAY FROM AND UPWIND OF SPILL/LEAK. ELIMINATE ALL IGNITION SOURCES (NO SMOKING, FLARES, SPARKS OR FLAMES IN IMMEDIATE AREA). PAY ATTENTION TO FLASHBACK. TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES. ALL EQUIPMENT USED WHEN HANDLING THE PRODUCT MUST BE GROUNDED. DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL.

OTHER INFORMATION:

VENTILATE THE AREA. REFER TO PROTECTIVE MEASURES LISTED IN SECTIONS 7 AND 8.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

METHODS FOR CONTAINMENT:

STOP LEAK IF YOU CAN DO IT WITHOUT RISK. DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL. A VAPOR SUPPRESSING FOAM MAY BE USED TO REDUCE VAPORS. DIKE FAR AHEAD OF SPILL TO COLLECT RUNOFF WATER. KEEP OUT OF DRAINS, SEWERS, DITCHES AND WATERWAYS. ABSORB WITH EARTH, SAND OR OTHER NON-COMBUSTIBLE MATERIAL AND TRANSFER TO CONTAINERS FOR LATER DISPOSAL.

METHODS FOR CLEANING UP:

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES. DAM UP. SOAK UP WITH INERT ABSORBENT MATERIAL. PICK UP AND TRANSFER TO PROPERLY LABELED CONTAINERS.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

ADVICE ON SAFE HANDLING:

USE PERSONAL PROTECTION EQUIPMENT. AVOID BREATHING VAPORS OR MISTS. KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING. USE GROUNDING AND BONDING CONNECTION WHEN TRANSFERRING THIS MATERIAL TO PREVENT STATIC DISCHARGE, FIRE OR EXPLOSION. USE WITH LOCAL EXHAUST VENTILATION. USE SPARK-PROOF TOOLS AND EXPLOSION-PROOF EQUIPMENT. KEEP IN AN AREA EQUIPPED WITH SPRINKLERS. USE ACCORDING TO PACKAGE LABEL INSTRUCTIONS. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. AVOID CONTACT WITH SKIN, EYES OR CLOTHING. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE CONDITIONS:

KEEP CONTAINERS TIGHTLY CLOSED IN A DRY, COOL AND WELL-VENTILATED PLACE. KEEP AWAY FROM HEAT, SPARKS, FLAME AND OTHER SOURCES OF IGNITION (I.E., PILOT LIGHTS, ELECTRIC MOTORS AND STATIC ELECTRICITY). KEEP IN PROPERLY LABELED CONTAINERS. DO NOT STORE NEAR COMBUSTIBLE MATERIALS. KEEP IN AN AREA EQUIPPED WITH SPRINKLERS. STORE IN ACCORDANCE WITH THE PARTICULAR NATIONAL REGULATIONS. STORE IN ACCORDANCE WITH LOCAL REGULATIONS. KEEP OUT OF THE REACH OF CHILDREN.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

EXPOSURE LIMITS:

THERE IS NO EXPOSURE DATA PERTAINING TO THE PRODUCT. THIS SECTION REFLECTS EXPOSURE DATA PERTAINING TO INDIVIDUAL INGREDIENTS.

| CHEMICAL NAME | ACGIH TLV | OSHA PEL | NIOSH IDLH | |
|---|-----------------|-------------------------------|-------------------------------|-----------------|
| ISOPROPYL ALCOHOL 99% BY VOLUME 67-63-0 | STEL: 400 PPM | TWA: 400 PPM | IDLH: 2000 PPM 10% LEL | |
| | TWA: 200 PPM | TWA: 980 MG/M3 | TWA: 980 MG/M3 | |
| | | (VACATED) TWA: 400 PPM | TWA: 400 PPM | |
| | | (VACATED) TWA: 980 MG/M3 | STEL: 500 PPM | |
| | | (VACATED) STEL: 500 PPM | STEL: 1225 MG/M3 | |
| | | (VACATED) STEL: 1225 MG/M3 | | |
| CHEMICAL NAME | ALBERTA | BRITISH COLUMBIA | ONTARIO TWAEV | QUEBEC |
| ISOPROPYL ALCOHOL 99% BY VOLUME | TWA: 200 PPM | TWA: 200 PPM STEL: 400 PPM | TWA: 200 PPM STEL: 400 PPM | TWA: 400 PPM |

67-63-0

TWA:
492 MG/M3

TWA:
985 MG/M3

STEL:
400 PPM

STEL:
500 PPM

STEL:
984 MG/M3

STEL:
1230 MG/M3

OTHER EXPOSURE GUIDELINES:

VACATED LIMITS REVOKED BY THE COURT OF APPEALS DECISION IN AFL-CIO V. OSHA, 965 F.2D 962 (11TH CIR., 1992). SEE SECTION 15 FOR NATIONAL EXPOSURE CONTROL PARAMETERS.

APPROPRIATE ENGINEERING CONTROLS:

ENGINEERING CONTROLS:

SHOWERS
EYEWASH STATIONS
VENTILATION SYSTEMS.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: TIGHT SEALING SAFETY GOGGLES.

HAND PROTECTION: WEAR SUITABLE GLOVES. IMPERVIOUS GLOVES.

SKIN AND BODY PROTECTION:

WEAR SUITABLE PROTECTIVE CLOTHING. LONG SLEEVED CLOTHING. CHEMICAL RESISTANT APRON. ANTISTATIC BOOTS.

RESPIRATORY PROTECTION:

NO PROTECTIVE EQUIPMENT IS NEEDED UNDER NORMAL USE CONDITIONS. IF EXPOSURE LIMITS ARE EXCEEDED OR IRRITATION IS EXPERIENCED, VENTILATION AND EVACUATION MAY BE REQUIRED.

GENERAL HYGIENE CONSIDERATIONS:

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE. REGULAR CLEANING OF EQUIPMENT, WORK AREA AND CLOTHING IS RECOMMENDED. WASH HANDS BEFORE BREAKS AND IMMEDIATELY AFTER HANDLING THE PRODUCT. AVOID CONTACT WITH SKIN, EYES OR CLOTHING. WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION.

9. PHYSICAL AND CHEMICAL PROPERTIES



PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: WATER-THIN LIQUID

APPEARANCE: CLEAR, COLORLESS, WATER-THIN LIQUID

ODOR: ALCOHOL

COLOR: COLORLESS

ODOR THRESHOLD: NO DATA AVAILABLE

| PROPERTY | VALUES | REMARKS METHOD |
|--------------------------|-------------------|-------------------|
| PH | UNKNOWN | |
| MELTING / FREEZING POINT | NO DATA AVAILABLE | NONE KNOWN |

| | | |
|---------------------------------------|--------------------------|------------|
| BOILING POINT / BOILING RANGE | NO DATA AVAILABLE | NONE KNOWN |
| FLASH POINT | 10 C / 50 F | |
| EVAPORATION RATE | NO DATA AVAILABLE | NONE KNOWN |
| FLAMMABILITY (SOLID, GAS) | NO DATA AVAILABLE | NONE KNOWN |
| FLAMMABILITY LIMIT IN AIR | | NONE KNOWN |
| UPPER FLAMMABILITY LIMIT | NO DATA AVAILABLE | |
| LOWER FLAMMABILITY LIMIT | NO DATA AVAILABLE | |
| VAPOR PRESSURE | NO DATA AVAILABLE | NONE KNOWN |
| VAPOR DENSITY | NO DATA AVAILABLE | NONE KNOWN |
| RELATIVE DENSITY | 0.78 | |
| WATER SOLUBILITY | MISCIBLE IN WATER | |
| SOLUBILITY (IES) | NO DATA AVAILABLE | NONE KNOWN |
| PARTITION COEFFICIENT N-OCTANOL/WATER | 0 | |
| AUTOIGNITION TEMPERATURE | NO DATA AVAILABLE | NONE KNOWN |
| DECOMPOSITION TEMPERATURE | NO DATA AVAILABLE | NONE KNOWN |
| KINEMATIC VISCOSITY | NO DATA AVAILABLE | NONE KNOWN |
| DYNAMIC VISCOSITY | NO DATA AVAILABLE | NONE KNOWN |
| OTHER INFORMATION: | | |
| EXPLOSIVE PROPERTIES | NO INFORMATION AVAILABLE | |
| OXIDIZING PROPERTIES | NO INFORMATION AVAILABLE | |
| SOFTENING POINT | NO INFORMATION AVAILABLE | |
| MOLECULAR WEIGHT | NO INFORMATION AVAILABLE | |
| VOC CONTENT (%) | NO INFORMATION AVAILABLE | |
| LIQUID DENSITY | NO INFORMATION AVAILABLE | |
| BULK DENSITY | NO INFORMATION AVAILABLE | |
| PARTICLE SIZE | NO INFORMATION AVAILABLE | |
| PARTICLE SIZE DISTRIBUTION | NO INFORMATION AVAILABLE | |

10. STABILITY AND REACTIVITY



REACTIVITY: NO DATA AVAILABLE.

CHEMICAL STABILITY: STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS: NONE UNDER NORMAL PROCESSING.

HAZARDOUS POLYMERIZATION:
HAZARDOUS POLYMERIZATION DOES NOT OCCUR.

WHEN USED IN ACCORDANCE WITH THE DIRECTIONS.

CONDITIONS TO AVOID: HEAT, FLAMES AND SPARKS.

INCOMPATIBLE MATERIALS: NONE KNOWN.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON OXIDES.

11. TOXICOLOGICAL INFORMATION



THERE IS NO DATA FOR THIS PRODUCT. THE INFORMATION INCLUDED IN THIS SECTION DESCRIBES THE POTENTIAL HAZARDS OF THE INDIVIDUAL INGREDIENTS.

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

PRODUCT INFORMATION:

INHALATION:

SPECIFIC TEST DATA FOR THE SUBSTANCE OR MIXTURE IS NOT AVAILABLE. MAY CAUSE IRRITATION OF RESPIRATORY TRACT. MAY CAUSE DROWSINESS OR DIZZINESS.

EYE CONTACT:

SPECIFIC TEST DATA FOR THE SUBSTANCE OR MIXTURE IS NOT AVAILABLE. CAUSES SERIOUS EYE IRRITATION. (BASED ON COMPONENTS). MAY CAUSE REDNESS, ITCHING, AND PAIN.

SKIN CONTACT:

SPECIFIC TEST DATA FOR THE SUBSTANCE OR MIXTURE IS NOT AVAILABLE. MAY CAUSE IRRITATION. PROLONGED CONTACT MAY CAUSE REDNESS AND IRRITATION.

INGESTION:

SPECIFIC TEST DATA FOR THE SUBSTANCE OR MIXTURE IS NOT AVAILABLE. INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. HARMFUL IF SWALLOWED. (BASED ON COMPONENTS).

INFORMATION ON TOXICOLOGICAL EFFECTS:

SYMPTOMS:

MAY CAUSE REDNESS AND TEARING OF THE EYES. INHALATION OF HIGH VAPOR CONCENTRATIONS MAY CAUSE SYMPTOMS LIKE HEADACHE, DIZZINESS, TIREDNESS, NAUSEA AND VOMITING.

NUMERICAL MEASURES OF TOXICITY:

ACUTE TOXICITY:

THE FOLLOWING VALUES ARE CALCULATED BASED ON CHAPTER 3.1 OF THE GHS DOCUMENT:

ATEMIX (ORAL): 1,889.00 MG/KG

ATEMIX (DERMAL): 4,100.00 MG/KG

ATEMIX (INHALATION-DUST/MIST): 73.30 MG/L

UNKNOWN ACUTE TOXICITY:

99% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN TOXICITY

0% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE ORAL TOXICITY

0% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE DERMAL TOXICITY

99% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (GAS)

99% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (VAPOR)

0% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (DUST/MIST)

COMPONENT INFORMATION:

| CHEMICAL NAME | ORAL LD50 | DERMAL LD50 | INHALATION LC50 |
|------------------------------------|----------------------|-------------------------|---------------------------|
| ISOPROPYL ALCOHOL 99% BY VOLUME | =1870 MG/KG (RAT) | =4059 MG/KG (RABBIT) | =72600 MG/M3 (RAT) 4 H |
| WATER | >90 ML/KG (RAT) | | |

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

SKIN CORROSION/IRRITATION: MAY CAUSE SKIN IRRITATION.

SERIOUS EYE DAMAGE/EYE IRRITATION:
CLASSIFICATION BASED ON DATA AVAILABLE FOR INGREDIENTS. IRRITATING TO EYES.

RESPIRATORY OR SKIN SENSITIZATION: NO INFORMATION AVAILABLE.

GERM CELL MUTAGENICITY: NO INFORMATION AVAILABLE.

CARCINOGENICITY: NO INFORMATION AVAILABLE.

THE TABLE BELOW INDICATES WHETHER EACH AGENCY HAS LISTED ANY INGREDIENT AS A CARCINOGEN.

| CHEMICAL NAME | ACGIH | IARC | NTP | OSHA |
|---|-------|---|-----|-------------|
| ISOPROPYL ALCOHOL 99% BY VOLUME 67-63-0 | | GROUP 3 - NOT CLASSIFIABLE AS TO CARCINOGENICITY IN HUMANS | | X - PRESENT |

REPRODUCTIVE TOXICITY: NO INFORMATION AVAILABLE.

STOT - SINGLE EXPOSURE: MAY CAUSE DROWSINESS OR DIZZINESS.

STOT - REPEATED EXPOSURE: NO INFORMATION AVAILABLE.

ASPIRATION HAZARD: NO INFORMATION AVAILABLE.

12. ECOLOGICAL INFORMATION



THERE IS NO ECOLOGICAL DATA ON THE PRODUCT. THE PRODUCT INGREDIENTS ARE EXPECTED TO BE SAFE FOR THE ENVIRONMENT AT CONCENTRATIONS PREDICTED UNDER NORMAL USE AND ACCIDENTAL SPILL SCENARIOS. PACKAGING COMPONENTS ARE COMPATIBLE WITH THE CONVENTIONAL SOLID WASTE MANAGEMENT PRACTICES.

ECOTOXICITY:
THE ENVIRONMENTAL IMPACT OF THIS PRODUCT HAS NOT BEEN FULLY INVESTIGATED.

PERSISTENCE AND DEGRADABILITY: NO INFORMATION AVAILABLE.

BIOACCUMULATION: NO INFORMATION AVAILABLE.

MOBILITY: NO INFORMATION AVAILABLE.

OTHER ADVERSE EFFECTS: NO INFORMATION AVAILABLE.

13. DISPOSAL CONSIDERATIONS



WASTE TREATMENT METHODS:

WASTE FROM RESIDUES/UNUSED PRODUCTS:

SHOULD NOT BE RELEASED INTO THE ENVIRONMENT. DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS. DISPOSE OF WASTE IN ACCORDANCE WITH ENVIRONMENTAL LEGISLATION.

CONTAMINATED PACKAGING:

EMPTY CONTAINERS POSE A POTENTIAL FIRE AND EXPLOSION HAZARD. DO NOT CUT, PUNCTURE OF WELD CONTAINERS.

US EPA WASTE NUMBER: D001

CALIFORNIA WASTE CODES: 331

THIS PRODUCT CONTAINS ONE OR MORE SUBSTANCES THAT ARE LISTED WITH THE STATE OF CALIFORNIA AS A HAZARDOUS WASTE.

14. TRANSPORT INFORMATION

DOT:

UN.NO.: UN1219
PROPER SHIPPING NAME: ISOPROPANOL SOLUTION
HAZARD CLASS: 3
PACKING GROUP: II
DESCRIPTION: UN1219, ISOPROPANOL SOLUTION, 3, II
EMERGENCY RESPONSE GUIDE NUMBER: 129

TDG:

UN-NO.: UN1219
PROPER SHIPPING NAME: ISOPROPANOL SOLUTION
HAZARD CLASS: 3
PACKING GROUP: II
DESCRIPTION: UN1219, ISOPROPANOL SOLUTION, 3, II

MEX:

UN-NO.: UN1219
PROPER SHIPPING NAME: ISOPROPANOL SOLUTION
HAZARD CLASS: 3
PACKING GROUP: II
DESCRIPTION: UN1219, ISOPROPANOL SOLUTION, 3, II

ICAO:

UN-NO.: UN1219
PROPER SHIPPING NAME: ISOPROPANOL SOLUTION
HAZARD CLASS: 3
PACKING GROUP: II
DESCRIPTION: UN1219, ISOPROPANOL SOLUTION, 3, II

IATA:

UN-NO.: UN1219
PROPER SHIPPING NAME: ISOPROPANOL SOLUTION
HAZARD CLASS: 3
PACKING GROUP: II
ERG CODE: 3L
DESCRIPTION: UN1219, ISOPROPANOL SOLUTION, 3, II

IMDG/IMO:

UN-NO.: UN1219
PROPER SHIPPING NAME: ISOPROPANOL SOLUTION
HAZARD CLASS: 3
PACKING GROUP: II
EMS-NO.: F-E, S-D

DESCRIPTION: UN1219, ISOPROPANOL SOLUTION, 3, II, (10 DEG. C C.C.)

RID:

UN-NO.: UN1219
PROPER SHIPPING NAME: ISOPROPANOL SOLUTION
HAZARD CLASS: 3
PACKING GROUP: II
CLASSIFICATION CODE: F1
DESCRIPTION: UN1219, ISOPROPANOL SOLUTION, 3, II
ADR/RID-LABELS: 3

ADR:

UN-NO.: UN1219
PROPER SHIPPING NAME: ISOPROPANOL SOLUTION
HAZARD CLASS: 3
PACKING GROUP: II
CLASSIFICATION CODE: F1
TUNNEL RESTRICTION CODE: (D/E)
DESCRIPTION: UN1219, ISOPROPANOL SOLUTION, 3, II, (D/E)

ADN:

UN-NO.: UN1219
PROPER SHIPPING NAME: ISOPROPANOL SOLUTION
HAZARD CLASS: 3
PACKING GROUP: II
CLASSIFICATION CODE: F1
SPECIAL PROVISIONS: 601
DESCRIPTION: UN1219, ISOPROPANOL SOLUTION, 3, II
HAZARD LABELS: 3
LIMITED QUANTITY: 1 L
VENTILATION: VE01

15. REGULATORY INFORMATION



SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

INTERNATIONAL REGULATIONS:

OZONE-DEPLETING SUBSTANCES (ODS): NOT APPLICABLE

PERSISTENT ORGANIC POLLUTANTS: NOT APPLICABLE

EXPORT NOTIFICATION REQUIREMENTS: NOT APPLICABLE

INTERNATIONAL INVENTORIES:

TSCA: CONTACT SUPPLIER FOR INVENTORY COMPLIANCE STATUS.
DSL/NDSL: CONTACT SUPPLIER FOR INVENTORY COMPLIANCE STATUS.
EINECS/ELINCS: CONTACT SUPPLIER FOR INVENTORY COMPLIANCE STATUS.
ENCS: CONTACT SUPPLIER FOR INVENTORY COMPLIANCE STATUS.
KECL: CONTACT SUPPLIER FOR INVENTORY COMPLIANCE STATUS.
PICCS: CONTACT SUPPLIER FOR INVENTORY COMPLIANCE STATUS.
AICS: CONTACT SUPPLIER FOR INVENTORY COMPLIANCE STATUS.

LEGEND:

TSCA: UNITED STATES TOXIC SUBSTANCES CONTROL ACT SECTION 8(B) INVENTORY

DSL/NDSL: CANADIAN DOMESTIC SUBSTANCES LIST/NON-DOMESTIC SUBSTANCES LIST

EINECS/ELINCS:

EUROPEAN INVENTORY OF EXISTING CHEMICAL SUBSTANCES/EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES

ENCS: JAPAN EXISTING AND NEW CHEMICAL SUBSTANCES

KECL: KOREAN EXISTING AND EVALUATED CHEMICAL SUBSTANCES

PICCS: PHILIPPINES INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES

AICS: AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES

US FEDERAL REGULATIONS:

SARA 313:

SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA). THIS PRODUCT CONTAINS A CHEMICAL OR CHEMICALS WHICH ARE SUBJECT TO THE REPORTING REQUIREMENTS OF THE ACT AND TITLE 40 OF THE CODE OF FEDERAL REGULATIONS, PART 372

| CHEMICAL NAME | CAS NO. | WEIGHT-% | SARA 313 - THRESHOLD VALUES % |
|---|---------|----------|-------------------------------|
| ISOPROPYL ALCOHOL 99% BY VOLUME- 67-63-0 | 67-63-0 | 50 - 100 | 1.0 |

SARA 311/312 HAZARD CATEGORIES:

SHOULD THIS PRODUCT MEET EPCRA 311/312 TIER REPORTING CRITERIA AT 40 CFR 370, REFER TO SECTION 2 OF THIS SDS FOR APPROPRIATE CLASSIFICATIONS. UNDER THE AMENDED REGULATIONS AT 40 CFR 370, EPCRA 311/312 TIER II REPORTING FOR THE 2017 CALENDAR YEAR WILL NEED TO BE CONSISTENT WITH UPDATED HAZARD CLASSIFICATIONS.

CWA (CLEAN WATER ACT):

THIS PRODUCT DOES NOT CONTAIN ANY SUBSTANCES REGULATED AS POLLUTANTS PURSUANT TO THE CLEAN WATER ACT (40 CFR 122.21 AND 40 CFR 122.42)

CERCLA:

THIS MATERIAL, AS SUPPLIED, DOES NOT CONTAIN ANY SUBSTANCES REGULATED AS HAZARDOUS SUBSTANCES UNDER THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) (40 CFR 302) OR THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) (40 CFR 355). THERE MAY BE SPECIFIC REPORTING REQUIREMENTS AT THE LOCAL, REGIONAL, OR STATE LEVEL PERTAINING TO RELEASES OF THIS MATERIAL

US STATE REGULATIONS:

CALIFORNIA PROPOSITION 65 - NONE:

THIS PRODUCT DOES NOT CONTAIN ANY PROPOSITION 65 CHEMICALS.

U.S. STATE RIGHT-TO-KNOW REGULATIONS:

| CHEMICAL NAME | NEW JERSEY | MASSACHUSETTS | PENNSYLVANIA | RHODE ISLAND | ILLINOIS |
|---|------------|---------------|--------------|--------------|----------|
| ISOPROPYL ALCOHOL 99% BY VOLUME 67-63-0 | X | X | X | X | |

16. OTHER INFORMATION



NFPA:

| | |
|----------------------------------|-----|
| HEALTH HAZARDS | 2 |
| FLAMMABILITY | 3 |
| INSTABILITY | 0 |
| PHYSICAL AND CHEMICAL PROPERTIES | N/A |

HMIS:

| | |
|------------------|---|
| HEALTH HAZARDS | 2 |
| FLAMMABILITY | 3 |
| PHYSICAL HAZARDS | 0 |

PERSONAL PROTECTION X

PREPARED BY:
PRODUCT STEWARDSHIP
23 BRITISH AMERICAN BLVD.
LATHAM, NY 12110
1-800-572-6501

ISSUING DATE: MARCH 4, 2014

REVISION DATE: APRIL 11, 2019

REVISION NOTE: UPDATE TO DOT SHIPPING

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APPROVED AND UPDATED BY VI-JON, INC.

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