Chem-Impex International Inc.

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SAFETY DATA SHEET

SECTION 1. CHEMICAL IDENTIFICATION

NAME: Isopropyl alcohol

SYNONYMS: 2-Propanol IPA

24 HOUR EMERGENCY (800) 535-5053(USA) TELEPHONE: 352-323-3500 (INTERNATIONAL)

TO REQUEST AN MSDS: (800) 869-9290

CUSTOMER SERVICE: (630) 766-2112

SECTION 2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS) FLAMMABLE LIQUIDS (CATEGORY 2), H225 EYE IRRITATION (CATEGORY 2A), H319 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (CATEGORY 3), CENTRAL NERVOUS SYSTEM, H336

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

PICTOGRAM



SIGNAL WORD

HAZARD STATEMENT(S)

H225	HIGHLY <u>FLAMMABLE</u> LIQUID AND VAPOUR
H319	CAUSES SERIOUS EYE IRRITATION
H336	MAY CAUSE DROWSINESS OR DIZZINESS.

PRECAUTIONARY STATEMENT(S)

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
1241	EQUIPMENT.
P242	USE ONLY NON-SPARKING TOOLS.
P243	TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE.
P261	AVOID BREATHING DUST/ FUME/ GAS/ MIST/ VAPOURS/ SPRAY.
P264	WASH THOROUGHLY AFTER HANDLING.
P271	USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.
P280	WEAR PROTECTIVE GLOVES/ EYE PROTECTION/ FACE
1200	PROTECTION.
P303 + P361 + P353	IF ON SKIN (OR HAIR): TAKE OFF IMMEDIATELY ALL
F303 + F301 + F333	CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER.
P304 + P340 + P312	IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP
P304 + P340 + P312	COMFORTABLE FOR BREATHING. CALL A POISON CENTER/DOCTOR
	IF YOU FEEL UNWELL.
$D_{205} + D_{251} + D_{220}$	IF YOU FEEL UNWELL. IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL
P305 + P351 + P338	
	MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO
D227 + D212	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-
D. () 0 0 0 0	RESISTANT FOAM TO EXTINGUISH.
P403 + P233	STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY
	CLOSED.
P403 + P235	STORE IN A WELL-VENTILATED PLACE. KEEP COOL
P405	STORE LOCKED UP.
P501	DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED WASTE
	DISPOSAL PLANT.
HAZARDS NOT	MAY FORM EXPLOSIVE PEROXIDES.
OTHERWISE	
CLASSIFIED	
(HNOC) OR NOT	
COVERED BY GHS	

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MF:	C ₃ H ₈ O
MW:	60.10
CAS-NO.	67-63-0
PURITY:	99 - 100% (Assay)

HAZARDOUS COMPONENTS

COMPONENT	CLASSIFICATION	CONCENTRATION
Isopropyl alcohol		
	FLAM. LIQ. 2; EYE IRRIT. 2A; STOT SE 3; H225, H319, H336 CONCENTRATION LIMITS: >= 20 %: STOT SE 3, H336	<= 100 %

FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

SECTION 4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL ADVICE	SHOW THIS MATERIAL SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.	
IF INHALED	AFTER INHALATION: FRESH AIR. CALL IN PHYSICIAN.	
IN CASE OF SKIN CONTACT	IN CASE OF SKIN CONTACT: TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/ SHOWER	
IN CASE OF EYE CONTACT	AFTER EYE CONTACT: RINSE OUT WITH PLENTY OF WATER. CALL IN OPHTHALMOLOGIST. REMOVE CONTACT LENSES.	
IF SWALLOWED	AFTER SWALLOWING: IMMEDIATELY MAKE VICTIM DRINK WATER (TWO GLASSES AT MOST). CONSULT A PHYSICIAN.	
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED	THE MOST IMPORTANT KNOWN SYMPTOMS AND EFFECTS ARE DESCRIBED IN THE LABELLING (SEE SECTION 2.2) AND/OR IN SECTION 11.	
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED	NO DATA AVAILABLE	

SECTION 5. FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA	SUITABLE EXTINGUISHING MEDIA CARBON DIOXIDE (CO2) FOAM DRY POWDER		
	UNSUITABLE EXTINGUISHING MEDIA FOR THIS SUBSTANCE/MIXTURE NO LIMITATIONS OF EXTINGUISHING AGENTS ARE GIVEN.		
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	CARBON OXIDES COMBUSTIBLE. PAY ATTENTION TO FLASHBACK. VAPORS ARE HEAVIER THAN AIR AND MAY SPREAD ALONG FLOORS. DEVELOPMENT OF HAZARDOUS COMBUSTION GASES OR VAPOURS POSSIBLE IN THE EVENT OF FIRE. FORMS EXPLOSIVE MIXTURES WITH AIR AT AMBIENT TEMPERATURES.		
ADVICE FOR FIREFIGHTERS	IN THE EVENT OF FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS.		
FURTHER INFORMATION	REMOVE CONTAINER FROM DANGER ZONE AND COOL WITH WATER. PREVENT FIRE EXTINGUISHING WATER FROM CONTAMINATING SURFACE WATER OR THE GROUND WATER SYSTEM.		

SECTION 6. ACCIDENTAL RELEASE MEASURES

DEDGONAL	A DUIGE FOR MOM ENTER OF GENOV REPROVIDEL FOR MOT
PERSONAL	ADVICE FOR NON-EMERGENCY PERSONNEL: DO NOT
PRECAUTIONS,	BREATHE VAPORS, AEROSOLS. AVOID SUBSTANCE
PROTECTIVE EQUIPMENT	CONTACT. ENSURE ADEQUATE VENTILATION. KEEP AWAY
AND EMERGENCY	FROM HEAT AND SOURCES OF IGNITION.
PROCEDURES	EVACUATE THE DANGER AREA, OBSERVE EMERGENCY
	PROCEDURES, CONSULT AN EXPERT.
	FOR PERSONAL PROTECTION SEE SECTION 8.
ENVIRONMENTAL	DO NOT LET PRODUCT ENTER DRAINS. RISK OF
PRECAUTIONS	EXPLOSION.

METHODS AND	COVER DRAINS. COLLECT, BIND, AND PUMP OFF SPILLS.
MATERIALS FOR	OBSERVE POSSIBLE MATERIAL RESTRICTIONS
CONTAINMENT AND	(SEE SECTIONS 7 AND 10). DISPOSE OF PROPERLY. CLEAN
CLEANING UP	UP AFFECTED AREA
REFERENCE TO OTHER SECTIONS	FOR DISPOSAL SEE SECTION 13.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE	WORK UNDER HOOD. DO NOT INHALE		
HANDLING	SUBSTANCE/MIXTURE. AVOID GENERATION OF		
	VAPOURS/AEROSOLS.		
	KEEP AWAY FROM OPEN FLAMES, HOT SURFACES AND		
	SOURCES OF IGNITION. TAKE PRECAUTIONARY		
	MEASURES AGAINST STATIC DISCHARGE.		
	CHANGE CONTAMINATED CLOTHING. WASH HANDS AFTER		
	WORKING WITH SUBSTANCE.		
	FOR PRECAUTIONS SEE SECTION 2.2.		
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL- VENTILATED PLACE. KEEP AWAY FROM HEAT AND SOURCES OF IGNITION.		
	HANDLE AND STORE UNDER INERT GAS. HYGROSCOPIC		
	STORAGE CLASS (TRGS 510): 3: FLAMMABLE LIQUIDS		
	Store at RT		
SPECIFIC END USE(S)	APART FROM THE USES MENTIONED IN SECTION 1.2 NO OTHER SPECIFIC USES ARE STIPULATED.		

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

COMPONENT	CAS-NO.	VALUE	CONTROL	BASIS	
			PARAMETERS		
Isopropyl alcohol	67-63-0	TWA	200 PPM	USA. ACGIH THRESHOLD LIMIT	
				VALUES (TLV)	
	REMARKS	NOT CL	NOT CLASSIFIABLE AS A HUMAN CARCINOGEN		
		STEL	400 PPM	USA. ACGIH THRESHOLD LIMIT	
				VALUES (TLV)	
		NOT CLASSIFIABLE AS A HUMAN CARCINOGEN			

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

ST	500 PPM	USA. NIOSH RECOMMENDED
	1,225 MG/M3	EXPOSURE LIMITS
TWA	400 PPM	USA. NIOSH RECOMMENDED
	980 MG/M3	EXPOSURE LIMITS
TWA	400 PPM	USA. OCCUPATIONAL EXPOSURE
	980 MG/M3	LIMITS (OSHA) - TABLE Z-1
		LIMITS FOR AIR CONTAMINANTS
PEL	400 PPM	CALIFORNIA PERMISSIBLE
	980 MG/M3	EXPOSURE LIMITS FOR
		CHEMICAL
		CONTAMINANTS
STEL	500 PPM	CALIFORNIA PERMISSIBLE
	1,225 MG/M3	EXPOSURE LIMITS FOR
		CHEMICAL
		CONTAMINANTS

BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS

COMPONENT	CAS-NO.	PARAMETERS		BIOLOGICAL SPECIMEN	BASIS
Isopropyl alcohol	67-63-0	ACETONE	40 MG/L		ACGIH - BIOLOGICAL EXPOSURE INDICES (BEI)
	REMARKS	END OF SHIFT A	T END OF	WORKWEEK	

DERIVED NO EFFECT LEVEL (DNEL)

APPLICATION	ROUTES OF	HEALTH EFFECT	VALUE
AREA	EXPOSURE		
WORKERS	INHALATION	LONG-TERM SYSTEMIC EFFECTS	500 MG/M3
WORKERS	SKIN CONTACT	LONG-TERM SYSTEMIC EFFECTS	888 MG/KG BW/D
CONSUMERS	INHALATION	LONG-TERM SYSTEMIC EFFECTS	89 MG/M3
CONSUMERS	SKIN CONTACT	LONG-TERM SYSTEMIC EFFECTS	319 MG/KG BW/D
CONSUMERS	INGESTION	LONG-TERM SYSTEMIC EFFECTS	26 MG/KG BW/D

PREDICTED NO EFFECT CONCENTRATION (PNEC)

COMPARTMENT	VALUE
SOIL	28 MG/KG
SEA WATER	140.9 MG/L
FRESH WATER	140.9 MG/L
SEA SEDIMENT	552 MG/KG
FRESH WATER SEDIMENT	552 MG/KG

EXPOSURE CONTROLS

APPROPRIATE	CHANGE CONTAMINATED CLOTHING. WASH HANDS AFTER
ENGINEERING CONTROLS	WORKING WITH SUBSTANCE.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION	USE EQUIPMENT FOR EYE PROTECTION TESTED AND
	APPROVED UNDER APPROPRIATE GOVERNMENT
	STANDARDS SUCH AS NIOSH (US) OR EN 166(EU). SAFETY
	GLASSES

SKIN PROTECTIONHANDLE WITH GLOVES. GLOVES MUST BE INSPECTED
PRIOR TO USE. USE PROPER GLOVE REMOVAL TECHNIQUE
(WITHOUT TOUCHING GLOVE''S OUTER SURFACE) TO AVOID
SKIN CONTACT WITH THIS PRODUCT. DISPOSE OF
CONTAMINATED GLOVES AFTER USE IN ACCORDANCE
WITH APPLICABLE LAWS AND GOOD LABORATORY
PRACTICES. WASH AND DRY HANDS.

BODY PROTECTION FLAME RETARDANT ANTISTATIC PROTECTIVE CLOTHING.

RESPIRATORYREQUIRED WHEN VAPOURS/AEROSOLS ARE GENERATED.
OUR RECOMMENDATIONS ON FILTERING RESPIRATORY
PROTECTION ARE BASED ON THE FOLLOWING STANDARDS:
DIN EN 143, DIN 14387 AND OTHER ACCOMPANYING
STANDARDS RELATING TO THE USED RESPIRATORY
PROTECTION SYSTEM.CONTROL OFDO NOT LET PRODUCT ENTER DRAING, DEV. OF EVELOSION

CONTROL OF DO NOT LET PRODUCT ENTER DRAINS. RISK OF EXPLOSION. ENVIRONMENTAL EXPOSURE

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION	ON BASIC	PHYSICAL AND	CHEMICAL	PROPERTIES
INTOMINATION	ON DASIC	Inisicaland	CHEMICAL	I NOI ENTIES

INFORMATION ON BASIC	PHYSICAL AND CHEMICAL PROPERTIES
APPEARANCE	Clear, colorless liquid
ODOUR	ALCOHOL-LIKE
ODOUR THRESHOLD	1 PPM
PH	AT 20 C NEUTRAL
MELTING	
POINT/FREEZING POINT	
BOILING POINT	81 - 83 °C
FLASH POINT	12 °C
EVAPOURATION RATE	3.0
FLAMMABILITY (SOLID,	NO DATA AVAILABLE
GAS)	
UPPER/LOWER	UPPER EXPLOSION LIMIT: 13.4 %(V)
FLAMMABILITY OR	
EXPLOSIVE LIMITS	LOWER EXPLOSION LIMIT: 2 %(V)
VAPOUR PRESSURE	43 HPA AT 20 C
VAPOUR DENSITY	2.07
RELATIVE DENSITY	0.79
WATER SOLUBILITY	SOLUBLE
PARTITION COEFFICIENT:	LOG POW: 0.05 - BIOACCUMULATION IS NOT EXPECTED.
N- OCTANOL/WATER	

425.0 C
DISTILLABLE IN AN UNDECOMPOSED STATE AT NORMAL
PRESSURE.
NO DATA AVAILABLE
NO DATA AVAILABLE
NO DATA AVAILABLE

OTHER SAFETY INFORMATION

MINIMUM IGNITION	0.65 MJ
ENERGY	
CONDUCTIVITY	< 0.1 MS/CM
SURFACE TENSION	20.8 MN/M AT 25.0 C
RELATIVE VAPOR	2.07
DENSITY	

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY	VAPORS MAY FORM EXPLOSIVE MIXTURE WITH AIR.
CHEMICAL STABILITY	REACTS WITH AIR TO FORM PEROXIDES. THE PRODUCT IS CHEMICALLY STABLE UNDER STANDARD AMBIENT CONDITIONS. TEST FOR PEROXIDE FORMATION BEFORE DISTILLATION OR EVAPORATION. TEST FOR PEROXIDE FORMATION OR DISCARD AFTER 1 YEAR. STABLE UNDER RECOMMENDED STORAGE CONDITIONS.
POSSIBILITY OF HAZARDOUS REACTIONS	VAPORS MAY FORM EXPLOSIVE MIXTURE WITH AIR.
CONDITIONS TO AVOID	WARMING.
INCOMPATIBLE MATERIALS	RUBBER, VARIOUS PLASTICS, OILS
HAZARDOUS DECOMPOSITION PRODUCTS	IN THE EVENT OF FIRE: SEE SECTION 5

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY	LD50 ORAL - RAT - 5,840 MG/KG (OECD TEST GUIDELINE 401)
	LC50 INHALATION - RAT - MALE AND FEMALE - 4 H - 37.5 MG/L - VAPOR (OECD TEST GUIDELINE 403)
	LD50 DERMAL - RABBIT - 12,800 MG/KG REMARKS: (RTECS)
	NO DATA AVAILABLE
SKIN CORROSION/IRRITATION	SKIN - RABBIT RESULT: NO SKIN IRRITATION - 4 H (OECD TEST GUIDELINE 404)
SERIOUS EYE DAMAGE/EYE IRRITATION	EYES - RABBIT RESULT: EYE IRRITATION (OECD TEST GUIDELINE 405) REMARKS: (REGULATION (EC) NO 1272/2008, ANNEX VI)
RESPIRATORY OR SKIN SENSITISATION	BUEHLER TEST - GUINEA PIG RESULT: NEGATIVE (OECD TEST GUIDELINE 406)
GERM CELL MUTAGENICITY	TEST TYPE: AMES TEST TEST SYSTEM: SALMONELLA TYPHIMURIUM METABOLIC ACTIVATION: WITH AND WITHOUT METABOLIC ACTIVATION METHOD: OECD TEST GUIDELINE 471 RESULT: NEGATIVE TEST TYPE: IN VITRO MAMMALIAN CELL GENE MUTATION TEST TEST SYSTEM: CHINESE HAMSTER OVARY CELLS METABOLIC ACTIVATION: WITH AND WITHOUT METABOLIC ACTIVATION: WITH AND WITHOUT METHOD: OECD TEST GUIDELINE 476 RESULT: NEGATIVE TEST TYPE: IN VIVO MICRONUCLEUS TEST SPECIES: MOUSE CELL TYPE: BONE MARROW APPLICATION ROUTE: INTRAPERITONEAL INJECTION METHOD: OECD TEST GUIDELINE 474 RESULT: NEGATIVE
CARCINOGENICITY	

THIS PRODUCT IS OR CONTAINS A COMPONENT THAT IS NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY BASED ON ITS IARC, ACGIH, NTP, OR EPA CLASSIFICATION. IARC: NO INGREDIENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC.

NTP:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A
OSHA:	KNOWN OR ANTICIPATED CARCINOGEN BY NTP. NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS ON OSHA S LIST OF REGULATED CARCINOGENS.
REPRODUCTIVE TOXICITY	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	INHALATION, ORAL - MAY CAUSE DROWSINESS OR DIZZINESS CENTRAL NERVOUS SYSTEM REMARKS: CLASSIFIED ACCORDING TO REGULATION (EU) 1272/2008, ANNEX VI (TABLE 3.1/3.2)
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	NO DATA AVAILABLE
ASPIRATION HAZARD	NO DATA AVAILABLE
ADDITIONAL INFORMATION	RTECS: NT8050000
	CENTRAL NERVOUS SYSTEM DEPRESSION, PROLONGED OR REPEATED EXPOSURE CAN CAUSE:, NAUSEA, HEADACHE, VOMITING, NARCOSIS, DROWSINESS, OVEREXPOSURE MAY CAUSE MILD, REVERSIBLE LIVER EFFECTS, ASPIRATION MAY LEAD TO: LUNG EDEMA, PNEUMONIA TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL,

PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

AFTER ABSORPTION:

HEADACHE DIZZINESS INEBRIATION UNCONSCIOUSNESS NARCOSIS

AFTER UPTAKE OF LARGE QUANTITIES:

COMA

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE.

KIDNEY - IRREGULARITIES - BASED ON HUMAN EVIDENCE

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY TOXICITY TO FISH	FLOW-THROUGH TEST LC50 - PIMEPHALES PROMELAS (FATHEAD MINNOW) - 9,640 MG/L - 96 H
	(OECD TEST GUIDELINE 203)
TOXICITY TO DAPHNIA AND OTHER AQUATIC	EC50 - DAPHNIA MAGNA (WATER FLEA) - 13,299 MG/L - 48 H
INVERTEBRATES TOXICITY TO ALGAE	REMARKS: (IUCLID) IC50 - DESMODESMUS SUBSPICATUS (GREEN ALGAE) - > 1,000 MG/L - 72H
	REMARKS: (IUCLID)
TOXICITY TO BACTERIA	EC5 - PSEUDOMONAS PUTIDA - 1,050 MG/L - 16 H
	REMARKS: (LIT.)
PERSISTENCE AND DEGRADA BIODEGRADABILITY THEORETICAL OXYGEN DEMAND	ABILITY AEROBIC - EXPOSURE TIME 5 D RESULT: 53 % - READILY BIODEGRADABLE. (DIRECTIVE 67/548/EEC, ANNEX V, C.6) 2,400 MG/G REMARKS: (LIT.)
RATIO BOD/THBOD	49 %
	REMARKS: (IUCLID)
BIOACCUMULATIVE POTENTIAL	NO BIOACCUMULATION IS TO BE EXPECTED (LOG POW <= 4).
MOBILITY IN SOIL	NO DATA AVAILABLE

RESULTS OF PBT AND VPVBPBT/VPVB ASSESSMENT NOT AVAILABLE AS CHEMICAL
SAFETY ASSESSMENT NOT REQUIRED/NOT CONDUCTED

OTHER ADVERSE EFFECTS NO DATA AVAILABLE

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

PRODUCT	WASTE MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH THE NATIONAL AND LOCAL REGULATIONS. LEAVE CHEMICALS IN ORIGINAL CONTAINERS. NO MIXING WITH OTHER WASTE.
CONTAMINATED PACKAGING	DISPOSE OF AS UNUSED PRODUCT.

SECTION 14. TRANSPORT INFORMATION

DOT (US)	
PROPER SHIPPING NAME:	ISOPROPANOL
UN NUMBER:	1219
CLASS:	3
PACKING GROUP:	II
REPORTABLE QUANTITY	
(RQ):	
POISON INHALATION	NO
HAZARD:	
IMDG	
PROPER SHIPPING NAME:	ISOPROPANOL
UN NUMBER:	1219
CLASS:	3
PACKING GROUP:	II
EMS-NO:	F-E, S-D
IATA	
PROPER SHIPPING NAME:	ISOPROPANOL
UN NUMBER:	1219
CLASS:	3

II

SECTION 15. REGULATORY INFORMATION

PACKING GROUP:

SARA 302 COMPONENTS	THIS MATERIAL DOES NOT C WITH A SECTION 302 EHS TP	CONTAIN ANY COMPONENTS Q.
SARA 313 COMPONENTS		
THE FOLLOWING COMPONE	NTS ARE SUBJECT TO REPORT	TING LEVELS ESTABLISHED
BY SARA TITLE III, SECTION 313:		
	CAS NO.	REVISION DATE
Isopropyl alcohol	67-63-0	03-01-2007
SARA 311/312 HAZARDS	FIRE HAZARD, ACUTE HEALTH HAZARD, CHRONIC	
	HEALTH HAZARD	

MASSACHUSETTS RIGHT TO KNOW COMPONENTS

	CAS NO.	REVISION DATE
Isopropyl alcohol	67-63-0	03-01-2007

PENNSYLVANIA RIGHT TO KNOW COMPONENTS

Isopropyl alcohol

CAS NO. 67-63-0 REVISION DATE 03-01-2007

SECTION 16. OTHER INFORMATION

FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.

H225	HIGHLY FLAMMABLE LIQUID AND VAPOUR
H319	CAUSES SERIOUS EYE IRRITATION
H336	MAY CAUSE DROWSINESS OR DIZZINESS.

MSDS LEGEND

MW:	MOLECULAR WEIGHT
MF:	MOLECULAR FORMULA
VOC:	VOLATILE ORGANIC COMPOUNDS
ACGIH:	AMERICAN CONFERENCE OF GOVERNMENENTAL INDUSTRIAL
	HYGINISTS
CAS:	CHEMICAL ABSTRACTS SERIVE REGISTRY NUMBER
OSHA:	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL:	PERMISSIBLE EXPOSURE LIMIT (OSHA)
TLV:	THRESHOLD LIMIT VALUE (ACGIH)

IMPORTANT:

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