# **Chem-Impex International Inc.**

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# SAFETY DATA SHEET

## SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #:	34851
NAME:	1-Propanol
SYNONYMS:	Propyl alcohol
24 HOUR EMERGENCY TELEPHONE:	(800) 535-5053(USA) 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 SERIOUS EYE DAMAGE (CATEGORY 1), H318 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



SIGNE WORD	DAIVOLIK		
HAZARD STATEMENT(S)			
H225	HIGHLY FLAMMABLE LIQUID AND VAPOUR.		
H223 H318	CAUSES SERIOUS EYE DAMAGE.		
H336	MAY CAUSE DROWSINESS OR DIZZINESS.		
11550	MAT CAUSE DROWSINESS OR DIZZINESS.		
PRECAUTIONARY STAT	TEMENT(S)		
P210	KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT		
1210	SURFACES NO SMOKING.		
P233	KEEP CONTAINER TIGHTLY CLOSED.		
P240	GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT.		
P241	USE EXPLOSION-PROOF ELECTRICAL/ VENTILATING/		
1241	LIGHTING/ EQUIPMENT.		
P242	USE ONLY NON-SPARKING TOOLS.		
P242 P243	TAKE PRECAUTIONARY MEASURES AGAINST STATIC		
F243			
D2(1	DISCHARGE. AVOID BREATHING DUST/ FUME/ GAS/ MIST/ VAPOURS/		
P261	SPRAY.		
P271	SPRAY. USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA		
	WEAR PROTECTIVE GLOVES/ EYE PROTECTION/ FACE		
P280			
$P_{202} + P_{2}(1 + P_{2})$	PROTECTION.		
P303 + P361 + P353	IF ON SKIN (OR HAIR): REMOVE/ TAKE OFF IMMEDIATELY		
	ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/		
$P_{204} + P_{240} + P_{212}$	SHOWER.		
P304 + P340 + P312	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.		
P305 + P351 + P338 +	IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL		
P310	MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND		
	EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A		
	POISON CENTER/DOCTOR.		
P370 + P378	IN CASE OF FIRE: USE DRY SAND, DRY CHEMICAL OR		
	ALCOHOL-RESISTANT FOAM FOR EXTINCTION.		
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	NONE		
OTHERWISE			

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MF:	C <sub>3</sub> H <sub>8</sub> O
MW:	60.10
CAS-NO.	71-23-8
PURITY:	99 - 100% (GC)

#### HAZARDOUS COMPONENTS

COMPONENT	CLASSIFICATION	CONCENTRATION
1-Propanol		
	FLAM. LIQ. 2; EYE DAM. 1;	<= 100 %
	STOT SE 3; H225, H318, H336	
EOD THE FULL TEV	FOR THE IL STATEMENTS MENTION	IED IN THIS SECTION SEE

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	CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.MOVE OUT OF DANGEROUS AREA.
IF INHALED	IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CONSULT A PHYSICIAN.
IN CASE OF SKIN CONTACT	WASH OFF WITH SOAP AND PLENTY OF WATER. CONSULT A PHYSICIAN.
IN CASE OF EYE CONTACT	RINSE THOROUGHLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND CONSULT A PHYSICIAN.
IF SWALLOWED	DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. CONSULT A PHYSICIAN.
MOST IMPORTANT SYMPTOMS AND	THE MOST IMPORTANT KNOWN SYMPTOMS AND EFFECTS ARE DESCRIBED IN THE LABELLING (SEE SECTION 2.2) AND/OR IN SECTION 11

EFFECTS, BOTH ACUTE AND DELAYED

INDICATION OF ANYNO DATA AVAILABLEIMMEDIATE MEDICALATTENTION ANDSPECIAL TREATMENTVEEDED

## SECTION 5. FIRE AND EXPLOSION DATA

#### **EXTINGUISHING MEDIA**

SUITABLE	USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY
EXTINGUISHING MEDIA	CHEMICAL OR CARBON DIOXIDE.
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	CARBON OXIDES
ADVICE FOR	WEAR SELF CONTAINED BREATHING APPARATUS FOR
FIREFIGHTERS	FIRE FIGHTING IF NECESSARY.
FURTHER INFORMATION	USE WATER SPRAY TO COOL UNOPENED CONTAINERS.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	USE PERSONAL PROTECTIVE EQUIPMENT. AVOID BREATHING VAPOURS, MIST OR GAS. ENSURE ADEQUATE VENTILATION. REMOVE ALL SOURCES OF IGNITION. EVACUATE PERSONNEL TO SAFE AREAS. BEWARE OF VAPOURS ACCUMULATING TO FORM EXPLOSIVE CONCENTRATIONS. VAPOURS CAN ACCUMULATE IN LOW AREAS. FOR PERSONAL PROTECTION SEE SECTION 8.
ENVIRONMENTAL PRECAUTIONS	PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP	CONTAIN SPILLAGE, AND THEN COLLECT WITH AN ELECTRICALLY PROTECTED VACUUM CLEANER OR BY WET-BRUSHING AND PLACE IN CONTAINER FOR DISPOSAL ACCORDING TO LOCAL REGULATIONS (SEE SECTION 13).
REFERENCE TO OTHER SECTIONS	FOR DISPOSAL SEE SECTION 13.

## SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	AVOID INHALATION OF VAPOUR OR MIST. USE EXPLOSION-PROOF EQUIPMENT.KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.TAKE MEASURES TO PREVENT THE BUILD UP OF ELECTROSTATIC CHARGE. FOR PRECAUTIONS SEE SECTION 2.2.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE. CONTAINERS WHICH ARE OPENED MUST BE CAREFULLY RESEALED AND KEPT UPRIGHT TO PREVENT LEAKAGE.
SPECIFIC END USE(S)	Store at RT APART FROM THE USES MENTIONED IN SECTION 1.2 NO OTHER SPECIFIC USES ARE STIPULATED.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## CONTROL PARAMETERS

## COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

COMPONENT	CAS-NO.	VALUE	CONTROL	BASIS
			PARAMETERS	
1-Propanol	71-23-8	TWA	100 PPM	USA. ACGIH THRESHOLD
				LIMIT VALUES (TLV)
	REMARKS	UPPER RESPI	RATORY TRACT I	RRITATION
		EYE IRRITATI	ON	
		NOT CLASSIF	IABLE AS A HUM	IAN CARCINOGEN
		TWA	100.000000 PPM	USA. ACGIH THRESHOLD
				LIMIT VALUES (TLV)
		UPPER RESPI	RATORY TRACT I	RRITATION
		EYE IRRITATI	ON	
		NOT CLASSIF	IABLE AS A HUM	IAN CARCINOGEN
		TWA	200.000000 PPM	USA. OCCUPATIONAL
			500.000000	EXPOSURE LIMITS (OSHA) -
			MG/M3	TABLE Z-1 LIMITS FOR AIR
				CONTAMINANTS
		THE VALUE I	N MG/M3 IS APPR	OXIMATE.
		TWA	200.000000 PPM	USA. NIOSH
			500.000000	RECOMMENDED EXPOSURE
			MG/M3	LIMITS
		POTENTIAL F	OR DERMAL ABS	SORPTION

	ST	250.000000 PPM	USA. NIOSH
		625.000000	RECOMMENDED EXPOSURE
		MG/M3	LIMITS
	POTENTIAL FO	OR DERMAL ABS	ORPTION

#### **EXPOSURE CONTROLS**

APPROPRIATE	HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL
ENGINEERING CONTROLS	HYGIENE AND SAFETY PRACTICE. WASH HANDS
	BEFORE BREAKS AND AT THE END OF WORKDAY.

### PERSONAL PROTECTIVE EQUIPMENT

<b>EYE/FACE PROTECTION</b>	TIGHTLY FITTING SAFETY GOGGLES. FACESHIELD (8-
	INCH MINIMUM). USE EQUIPMENT FOR EYE
	PROTECTION TESTED AND APPROVED UNDER
	APPROPRIATE GOVERNMENT STANDARDS SUCH AS
	NIOSH (US) OR EN 166(EU).

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

FULL CONTACT MATERIAL: NITRILE RUBBER MINIMUM LAYER THICKNESS: 0.4 MM BREAK THROUGH TIME: 480 MIN MATERIAL TESTED:CAMATRIL (KCL 730, SIZE M)

SPLASH CONTACT MATERIAL: NITRILE RUBBER MINIMUM LAYER THICKNESS: 0.2 MM BREAK THROUGH TIME: 72 MIN MATERIAL TESTED:DERMATRIL P (KCL 743 , SIZE M)

IF USED IN SOLUTION, OR MIXED WITH OTHER SUBSTANCES, AND UNDER CONDITIONS WHICH DIFFER FROM EN 374, CONTACT THE SUPPLIER OF THE CE APPROVED GLOVES. THIS RECOMMENDATION IS ADVISORY ONLY AND MUST BE EVALUATED BY AN INDUSTRIA SITUATION OF ANTICIPATED USE BY OUR CUSTOMERS. IT SHOULD NOT BE CONSTRUED AS OFFERING AN APPROVAL FOR ANY SPECIFIC USE SCENARIO.

BODY PROTECTION	COMPLETE SUIT PROTECTING AGAINST CHEMICALS, FLAME RETARDANT ANTISTATIC PROTECTIVE CLOTHING. THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF THE DANGEROUS SUBSTANCE AT THE SPECIFIC WORKPLACE.
<b>RESPIRATORY</b> <b>PROTECTION</b>	WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING RESPIRATORS ARE APPROPRIATE USE (US) OR TYPE ABEK (EN 14387) RESPIRATOR CARTRIDGES AS A BACKUP TO ENGINEE PROTECTION, USE A FULL-FACE SUPPLIED AIR RESPIRATOR. USE RESPIRATORS AND COMPONENTS TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR CEN (EU).
CONTROL OF ENVIRONMENTAL EXPOSURE	PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES		
APPEARANCE	Colorless liquid	
ODOUR	ALCOHOL-LIKE	
ODOUR THRESHOLD	NO DATA AVAILABLE	
PH	8.5 AT 200 G/L AT 20 C	
MELTING		
POINT/FREEZING POINT		
INITIAL BOILING POINT	97 - 98 °C	
AND BOILING RANGE		
FLASH POINT	15 °C	
EVAPORATION RATE	1	
FLAMMABILITY (SOLID,	NO DATA AVAILABLE	
GAS)		
UPPER/LOWER	UPPER EXPLOSION LIMIT: 13.7 %(V)	
FLAMMABILITY OR	LOWER EXPLOSION LIMIT: 2.1 %(V)	
EXPLOSIVE LIMITS		
VAPOUR PRESSURE	19.3 HPA AT 20 C	
VAPOUR DENSITY	2.07 - (AIR = 1.0)	
RELATIVE DENSITY		
WATER SOLUBILITY	COMPLETELY MISCIBLE	
PARTITION COEFFICIENT:	LOG POW: 0.25 - 0.34	
N- OCTANOL/WATER		
AUTO-IGNITION	400 C	
TEMPERATURE		
DECOMPOSITION	NO DATA AVAILABLE	
TEMPERATURE		
VISCOSITY	NO DATA AVAILABLE	
EXPLOSIVE PROPERTIES	NO DATA AVAILABLE	

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

#### **OTHER SAFETY INFORMATION**

SURFACE TENSION23.45 MN/M AT 20 CRELATIVE VAPOUR2.07 - (AIR = 1.0)DENSITY2.07 - (AIR = 1.0)

## SECTION 10. STABILITY AND REACTIVITY

REACTIVITY	NO DATA AVAILABLE
CHEMICAL STABILITY	STABLE UNDER RECOMMENDED STORAGE 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	HAZARDOUS DECOMPOSITION PRODUCTS FORMED UNDER FIRE CONDITIONS CARBON OXIDES OTHER DECOMPOSITION PRODUCTS - NO DATA AVAILABLE IN THE EVENT OF FIRE: SEE SECTION 5

### SECTION 11. TOXICOLOGICAL INFORMATION

#### INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY LD50 ORAL - RAT - 8,038 MG/KG

LC50 INHALATION - RAT - 1 H - 20000 PPM

LC50 DERMAL - RABBIT - 4,000 MG/KG

NO DATA AVAILABLE

SKINSKIN - RABBITCORROSION/IRRITATIONRESULT: NO SKIN IRRITATION

SERIOUS EYEEYES - RABBITDAMAGE/EYE IRRITATIONRESULT: SEVERE EYE IRRITATION

RESPIRATORY OR SKIN SENSITISATION	MAXIMISATION TEST - GUINEA PIG RESULT: DID NOT CAUSE SENSITISATION ON LABORATORY ANIMALS.
GERM CELL MUTAGENICITY	NO DATA AVAILABLE
CARCINOGENICITY IARC: NTP: OSHA:	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 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 CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA.
<b>REPRODUCTIVE TOXICITY</b>	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	MAY CAUSE DROWSINESS OR DIZZINESS.
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	NO DATA AVAILABLE
ASPIRATION HAZARD	NO DATA AVAILABLE
ADDITIONAL INFORMATION RTECS: UH8225000	
CENTRAL NERVOUS SYSTEM DEPRESSION, PROLONGED OR REPEATED EXPOSURE CAN CAUSE: NARCOSIS, SKIN IRRITATION	

STOMACH - IRREGULARITIES - BASED ON HUMAN EVIDENCE

## SECTION 12. ECOLOGICAL INFORMATION

TOXICITY TOXICITY TO FISH

LC50 - PIMEPHALES PROMELAS (FATHEAD MINNOW) - 4,555 MG/L - 96 H

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES	EC50 - DAPHNIA MAGNA (WATER FLEA) - 3,642 MG/L - 48 H (DIN 38412)
TOXICITY TO ALGAE	EC50 - PSEUDOKIRCHNERIELLA SUBCAPITATA (GREEN ALGAE) - 9,170 MG/L - 48 H
PERSISTENCE AND DEGRAD	A DIL ITV
BIODEGRADABILITY	RESULT: 75 % - READILY BIODEGRADABLE.
RATIO BOD/THBOD	< 2 %
BIOACCUMULATIVE POTENTIAL	THE PRODUCT IS MISCIBLE IN WATER AND READILY BIODEGRADABLE IN BOTH WATER AND SOIL. ACCUMULATION IS NOT EXPECTED.
MOBILITY IN SOIL	NO DATA AVAILABLE
RESULTS OF PBT AND VPVB ASSESSMENT	PBT/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**BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH<br/>AN AFTERBURNER AND SCRUBBER B HIGHLY<br/>FLAMMABLE. OFFER SURPLUS AND NONRECYCLABLE<br/>SOLUTIONS TO A LICENSED DISPOSAL COMPANY.<br/>CONTACT A LICENSED PROFESSIONAL WASTE<br/>DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL.

CONTAMINATED DISPOSE OF AS UNUSED PRODUCT. PACKAGING

### SECTION 14. TRANSPORT INFORMATION

DOT (US)PROPER SHIPPING NAME:n-PropanolUN NUMBER:1274CLASS:3PACKING GROUP:IIPOISON INHALATIONNOHAZARD:

IMDG	
PROPER SHIPPING NAME:	n-Propanol
UN NUMBER:	1274
CLASS:	3
PACKING GROUP:	II
EMS-NO:	F-E, S-D
IATA	
PROPER SHIPPING NAME:	n-Propanol
UN NUMBER:	1274
CLASS:	3
PACKING GROUP:	II

# SECTION 15. REGULATORY INFORMATION

SARA 302 COMPONENTS		IATERIAL ARE SUBJECT TO MENTS OF SARA TITLE III,
SARA 313 COMPONENTS	COMPONENTS WITH KNO' EXCEED THE THRESHOLD	T CONTAIN ANY CHEMICAL WN CAS NUMBERS THAT (DE MINIMIS) REPORTING SARA TITLE III, SECTION 313
SARA 311/312 HAZARDS	FIRE HAZARD, ACUTE HEA HEALTH HAZARD	ALTH HAZARD, CHRONIC
MASSACHUSETTS RIGHT TO KNOW COMPONENTS		
	CAS-NO.	<b>REVISION DATE</b>
1-Propanol	71-23-8	04-24-1993
PENNSYLVANIA RIGHT TO KNOW COMPONENTS		
	CAS-NO.	<b>REVISION DATE</b>
1-Propanol	71-23-8	04-24-1993
NEW JERSEY RIGHT TO KNOW COMPONENTS		
	CAS-NO.	<b>REVISION DATE</b>
1-Propanol	71-23-8	04-24-1993
CALIFORNIA PROP. 65 COMPONENTS THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN TO STATE OF		

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

## SECTION 16. OTHER INFORMATION

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

H225	HIGHLY FLAMMABLE LIQUID AND VAPOUR.
H318	CAUSES SERIOUS EYE DAMAGE.
H336	MAY CAUSE DROWSINESS OR DIZZINESS.

#### HMIS RATING

HEALTH HAZARD:	2
CHRONIC HEALTH	*
HAZARD:	
FLAMMABILITY:	3
PHYSICAL HAZARD	0

#### NFPA RATING

HEALTH HAZARD:	2
FIRE HAZARD:	3
REACTIVITY HAZARD:	0

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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VERSION: 3.1.

REVISION DATE: 01/27/2017