Chem-Impex International Inc.

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SAFETY DATA SHEET

SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #:	36289
NAME:	Boron trifluoride acetonitrile complex solution
SYNONYMS:	
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 ACUTE TOXICITY, ORAL (CATEGORY 4), H302 ACUTE TOXICITY, INHALATION (CATEGORY 3), H331 SKIN CORROSION (CATEGORY 1B), H314 SERIOUS EYE DAMAGE (CATEGORY 1), H318 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (CATEGORY 3), RESPIRATORY SYSTEM, H335 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE, INHALATION (CATEGORY 2), KIDNEY, H373

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 FLAMMABLE LIQUID AND VAPOUR.
H302	HARMFUL IF SWALLOWED.
H314	CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
H331	TOXIC IF INHALED.
H335	MAY CAUSE RESPIRATORY IRRITATION.
H373	MAY CAUSE DAMAGE TO ORGANS (KIDNEY) THROUGH
	PROLONGED OR REPEATED EXPOSURE IF INHALED.

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 EQUIPMENT.
P242	USE ONLY NON-SPARKING TOOLS.
P243	TAKE PRECAUTIONARY MEASURES AGAINST STATIC
	DISCHARGE.
P260	DO NOT BREATHE DUST/ FUME/ GAS/ MIST/ VAPOURS/
	SPRAY.
P264	WASH SKIN THOROUGHLY AFTER HANDLING.
P270	DO NOT EAT, DRINK OR SMOKE WHEN USING THIS
	PRODUCT.
P271	USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.
P280	WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE
	PROTECTION/ FACE PROTECTION.
P301 + P312 + P330	IF SWALLOWED: CALL A POISON CENTER/DOCTOR IF YOU
	FEEL UNWELL. RINSE MOUTH.
P301 + P330 + P331	IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE
	VOMITING.
P303 + P361 + P353	IF ON SKIN (OR HAIR): TAKE OFF IMMEDIATELY ALL
	CONTAMINATED CLOTHING. RINSE SKIN WITH
	WATER/SHOWER.
P304 + P340 + P310	IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP
	COMFORTABLE FOR BREATHING. IMMEDIATELY CALL A
	POISON CENTER/DOCTOR.

IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL
MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND
EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A
POISON CENTER/DOCTOR.
GET MEDICAL ADVICE/ ATTENTION IF YOU FEEL UNWELL.
WASH CONTAMINATED CLOTHING BEFORE REUSE.
IN CASE OF FIRE: USE DRY SAND, DRY CHEMICAL OR
ALCOHOL-RESISTANT FOAM TO EXTINGUISH.
STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER
TIGHTLY CLOSED.
STORE IN A WELL-VENTILATED PLACE. KEEP COOL.
STORE LOCKED UP.
DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED
WASTE DISPOSAL PLANT.
STRONG HYDROGEN FLUORIDE-RELEASER

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MF:	$C_2H_3BF_3N$
	2 5 5

MW: 108.86

CAS-NO. 420-16-6

PURITY: 15.2 - 16.8% (Assay by titration)

COMPONENT	CLASSIFICATION	CONCENTRATION
ACETONITRILE		
	FLAM. LIQ. 2; ACUTE TOX. 4;	>= 70 - < 90 %
	EYE IRRIT. 2A; H225, H302,	
	H332, H312, H319	
BORON TRIFLUORII	DE	
	PRESS. GAS COMPR. GAS;	>= 20 - < 30 %
	ACUTE TOX. 2; SKIN CORR.	
	1A; EYE DAM. 1; STOT SE 3;	
	STOT RE 2; AQUATIC ACUTE 3;	
	H280, H330, H314, H318, H335,	
	H373, H402	

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	HYDROFLUORIC (HF) ACID BURNS REQUIRE IMMEDIATE AND SPECIALIZED FIRST AID AND
	MEDICAL TREATMENT. SYMPTOMS MAY BE DELAYED
	UP TO 24 HOURS DEPENDING ON THE CONCENTRATION
	OF HF. AFTER DECONTAMINATION WITH WATER,
	FURTHER DAMAGE CAN OCCUR DUE TO
	PENETRATION/ABSORPTION OF THE FLUORIDE ION.
	TREATMENT SHOULD BE DIRECTED TOWARD BINDING
	THE FLUORIDE ION AS WELL AS THE EFFECTS OF
	EXPOSURE. SKIN EXPOSURES CAN BE TREATED WITH A
	2.5% CALCIUM GLUCONATE GEL REPEATED UNTIL
	BURNING CEASES. MORE SERIOUS SKIN EXPOSURES
	MAY REQUIRE SUBCUTANEOUS CALCIUM GLUCONATE
	EXCEPT FOR DIGITAL AREAS UNLESS THE PHYSICIAN
	IS EXPERIENCED IN THIS TECHNIQUE, DUE TO THE
	POTENTIAL FOR TISSUE INJURY FROM INCREASED
	PRESSURE. ABSORPTION CAN READILY OCCUR
	THROUGH THE SUBUNGUAL AREAS AND SHOULD BE
	CONSIDERED WHEN UNDERGOING DECONTAMINATION. PREVENTION OF ABSORPTION OF
	THE FLUORIDE ION IN CASES OF INGESTION CAN BE
	OBTAINED BY GIVING MILK, CHEWABLE CALCIUM
	CARBONATE TABLETS OR MILK OF MAGNESIA TO
	CONSCIOUS VICTIMS. CONDITIONS SUCH AS
	HYPOCALCEMIA, HYPOMAGNESEMIA AND CARDIAC
	ARRHYTHMIAS SHOULD BE MONITORED FOR, SINCE
	THEY CAN OCCUR AFTER EXPOSURE.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	FIRST TREATMENT WITH CALCIUM GLUCONATE
CONTACT	PASTE.TAKE OFF CONTAMINATED CLOTHING AND SHOES IMMEDIATELY. WASH OFF WITH SOAP AND
	PLENTY OF WATER, TAKE VICTIM IMMEDIATELY TO
	HOSPITAL.CONSULT A PHYSICIAN.
	nosi maleonsoli a misician.
IN CASE OF EYE	RINSE THOROUGHLY WITH PLENTY OF WATER FOR AT
CONTACT	LEAST 15 MINUTES AND CONSULT A
	PHYSICIAN.CONTINUE RINSING EYES DURING
	TRANSPORT TO HOSPITAL.
IF SWALLOWED	DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING
	BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE
	MOUTH WITH WATER. CONSULT A PHYSICIAN.

MOST IMPORTANT	THE MOST IMPORTANT KNOWN SYMPTOMS AND
SYMPTOMS AND	EFFECTS ARE DESCRIBED IN THE LABELLING (SEE
EFFECTS, BOTH ACUTE	SECTION 2.2) AND/OR IN SECTION 11
AND DELAYED	

NO DATA AVAILABLE

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

SECTION 5. FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA	SUITABLE EXTINGUISHING MEDIA DRY POWDER DRY SAND
	UNSUITABLE EXTINGUISHING MEDIA DO NOT USE WATER JET.
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	CARBON OXIDES, NITROGEN OXIDES (NOX), HYDROGEN FLUORIDE, BORANE/BORON OXIDES
ADVICE FOR FIREFIGHTERS	WEAR SELF-CONTAINED BREATHING APPARATUS FOR FIREFIGHTING IF NECESSARY.
FURTHER INFORMATION	NO DATA AVAILABLE

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL	WEAR RESPIRATORY PROTECTION. AVOID BREATHING
PRECAUTIONS,	VAPOURS, MIST OR GAS. ENSURE ADEQUATE
PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	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	PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE
PRECAUTIONS	TO DO SO. DO NOT LET PRODUCT ENTER DRAINS.

METHODS AND	CONTAIN SPILLAGE, AND THEN COLLECT WITH NON-
MATERIALS FOR	COMBUSTIBLE ABSORBENT MATERIAL, (E.G. SAND,
CONTAINMENT AND	EARTH, DIATOMACEOUS EARTH, VERMICULITE) AND
CLEANING UP	PLACE IN CONTAINER FOR DISPOSAL ACCORDING TO
	LOCAL / NATIONAL REGULATIONS (SEE SECTION 13).
	DO NOT FLUSH WITH WATER.
REFERENCE TO OTHER	FOR DISPOSAL SEE SECTION 13.
SECTIONS	

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE	AVOID CONTACT WITH SKIN AND EYES. AVOID
HANDLING	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	KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND
STORAGE, INCLUDING	WELL-VENTILATED PLACE. CONTAINERS WHICH ARE
ANY INCOMPATIBILITIES	OPENED MUST BE CAREFULLY RESEALED AND KEPT
	UPRIGHT TO PREVENT LEAKAGE.
	NEVER ALLOW PRODUCT TO GET IN CONTACT WITH
	WATER DURING STORAGE.
	DO NOT STORE IN GLASS
	Store at 2 - 8 °C
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

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

COMPONENT	CAS-NO.	VALUE	CONTROL	BASIS
			PARAMETERS	
ACETONITRILE	75-05-8	TWA	20 PPM	USA. ACGIH THRESHOLD LIMIT
				VALUES (TLV)

	REMARKS	LOWER	RESPIRATORY	TRACT IRRITATION
				S A HUMAN CARCINOGEN
				OUS ABSORPTION
		TWA	20 PPM	USA. NIOSH RECOMMENDED
		1 11/1	34 MG/M3	EXPOSURE LIMITS
-		FODMS	CYANIDE IN T	
		TWA	40 PPM	USA. OCCUPATIONAL EXPOSURE
		I WA	-	
			70 MG/M3	LIMITS (OSHA) - TABLE Z-1
				LIMITS FOR AIR CONTAMINANTS
				S IS APPROXIMATE.
		PEL	40 PPM	CALIFORNIA PERMISSIBLE
			70 MG/M3	EXPOSURE LIMITS FOR
				CHEMICAL CONTAMINANTS
		SKIN		
		STEL	60 PPM	CALIFORNIA PERMISSIBLE
			105 MG/M3	EXPOSURE LIMITS FOR
				CHEMICAL CONTAMINANTS
		SKIN	•	·
BORON	7637-07-2	TWA	0.1 PPM	USA. ACGIH THRESHOLD LIMIT
TRIFLUORIDE				VALUES (TLV)
		RESPIR	ATORY TRACT	IRRITATION
			IONITIS	
		С	0.7 PPM	USA. ACGIH THRESHOLD LIMIT
				VALUES (TLV)
		RESPIR	ATORY TRACT	
			IONITIS	
		С	1 PPM	USA. NIOSH RECOMMENDED
		-	3 MG/M3	EXPOSURE LIMITS
		С	1 PPM	USA. OCCUPATIONAL EXPOSURE
		Ĩ	3 MG/M3	LIMITS (OSHA) - TABLE Z-1
			5 1.10,110	LIMITS FOR AIR CONTAMINANTS
		THE VA	LUE IN MG/M3	BIS APPROXIMATE.
				BE DETERMINED FROM
			HING-ZONE AI	
		C	1 PPM	CALIFORNIA PERMISSIBLE
		Ĕ	3 MG/M3	EXPOSURE LIMITS FOR
			5 10/10/2015	CHEMICAL CONTAMINANTS
				CHEWIICAL CONTAIVIINAN 15

BIOLOGICAL OC	CUPATION	AL EXPOSURE I	IMITS		
COMPONENT	CAS-NO.	PARAMETERS	VALUE	BIOLOGICAL	BASIS
				SPECIMEN	
BORON	7637-07-2	FLUORIDE	2 MG/L	URINE	ACGIH -
TRIFLUORIDE					BIOLOGICAL
					EXPOSURE
					INDICES (BEI)
	REMARKS	PRIOR TO SHIFT	Г (16 НО	URS AFTER EX	POSURE CEASES)
		FLUORIDE	3 MG/L	URINE	ACGIH -
					BIOLOGICAL
					EXPOSURE
					INDICES (BEI)
		END OF SHIFT (AS SOOI	NAS POSSIBLE	AFTER EXPOSURE
		CEASES)			

EXPOSURE CONTROLS

APPROPRIATE	AVOID CONTACT WITH SKIN, EYES AND CLOTHING. WASH
ENGINEERING	HANDS BEFORE BREAKS AND IMMEDIATELY AFTER
CONTROLS	HANDLING THE PRODUCT.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACETIGHTLY FITTING SAFETY GOGGLES. FACESHIELD (8-INCHPROTECTIONMINIMUM). USE EQUIPMENT FOR EYE PROTECTION TESTEDAND APPROVED UNDER APPROPRIATE GOVERNMENTSTANDARDS SUCH AS NIOSH (US) OR EN 166(EU).

SKIN PROTECTION HANDLE 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.

> FULL CONTACT MATERIAL: BUTYL-RUBBER MINIMUM LAYER THICKNESS: 0.3 MM BREAK THROUGH TIME: 480 MIN MATERIAL TESTED: BUTOJECT (KCL 897, SIZE M)

SPLASH CONTACT MATERIAL: BUTYL-RUBBER MINIMUM LAYER THICKNESS: 0.3 MM BREAK THROUGH TIME: 480 MIN MATERIAL TESTED:BUTOJECT (KCL 897, 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 INDUSTRIAL HYGIENIST AND SAFETY OFFICER FAMILIAR WITH THE SPECIFIC 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.

RESPIRATORY PROTECTION	WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING RESPIRATORS ARE APPROPRIATE USE A FULLFACE RESPIRATOR WITH MULTI-PURPOSE COMBINATION (US) OR TYPE ABEK (EN 14387) RESPIRATOR CARTRIDGES AS A BACKUP TO ENGINEERING CONTROLS. IF THE RESPIRATOR IS THE SOLE MEANS OF 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	PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO
ENVIRONMENTAL	SO. DO NOT LET PRODUCT ENTER DRAINS.

EXPOSURE

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC	PHYSICAL AND CHEMICAL PROPERTIES
APPEARANCE	Colorless to brown-yellow liquid
ODOUR	NO DATA AVAILABLE
ODOUR THRESHOLD	NO DATA AVAILABLE
PH	NO DATA AVAILABLE
MELTING	
POINT/FREEZING POINT	
INITIAL BOILING POINT	
AND BOILING RANGE	
FLASH POINT	10 °C
EVAPORATION RATE	NO DATA AVAILABLE
FLAMMABILITY (SOLID,	NO DATA AVAILABLE
GAS)	
UPPER/LOWER	NO DATA AVAILABLE
FLAMMABILITY OR	
EXPLOSIVE LIMITS	
VAPOUR PRESSURE	NO DATA AVAILABLE
VAPOUR DENSITY	NO DATA AVAILABLE
RELATIVE DENSITY	0.87
WATER SOLUBILITY	NO DATA AVAILABLE
PARTITION COEFFICIENT:	NO DATA AVAILABLE
N- OCTANOL/WATER	
AUTO-IGNITION	NO DATA AVAILABLE
TEMPERATURE	
DECOMPOSITION	NO DATA AVAILABLE
TEMPERATURE	
VISCOSITY	NO DATA AVAILABLE
EXPLOSIVE PROPERTIES	
OXIDIZING PROPERTIES	NO DATA AVAILABLE

OTHER SAFETY INFORMATION

NO DATA AVAILABLE

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.REACTS VIOLENTLY WITH WATER.
CONDITIONS TO AVOID	REACTS DANGEROUSLY WITH GLASS. HEAT, FLAMES AND SPARKS. EXPOSURE TO MOISTURE
INCOMPATIBLE MATERIALS	GLASS
HAZARDOUS DECOMPOSITION PRODUCTS	OTHER DECOMPOSITION PRODUCTS - NO DATA AVAILABLE HAZARDOUS DECOMPOSITION PRODUCTS FORMED UNDER FIRE CONDITIONS CARBON OXIDES, NITROGEN OXIDES (NOX), HYDROGEN FLUORIDE, BORANE/BORON OXIDES IN THE EVENT OF FIRE: SEE SECTION 5

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY	HARMFUL IF SWALLOWED.
	NO DATA AVAILABLE
	INHALATION: NO DATA AVAILABLE
	DERMAL: NO DATA AVAILABLE
	NO DATA AVAILABLE
SKIN CORROSION/IRRITATION	CAUSES SKIN BURNS.
SERIOUS EYE DAMAGE/EYE IRRITATION	NO DATA AVAILABLE

RESPIRATORY OR SKIN SENSITISATION	NO DATA AVAILABLE
GERM CELL MUTAGENICITY	NO DATA AVAILABLE
CARCINOGENICITY	
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.
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.
OSHA:	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	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	NO DATA AVAILABLE
ASPIRATION HAZARD	NO DATA AVAILABLE
ADDITIONAL INFORMATION	RTECS: NOT AVAILABLE
INFORMATION	TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. FLUORIDE ION CAN REDUCE SERUM CALCIUM LEVELS POSSIBLY CAUSING FATAL HYPOCALCEMIA.

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY	NO DATA AVAILABLE
PERSISTENCE AND DEGRADABILITY	NO DATA AVAILABLE

BIOACCUMULATIVE NO DATA AVAILABLE POTENTIAL

RESULTS OF PBT ANDPBT/VPVB ASSESSMENT NOT AVAILABLE AS**VPVB ASSESSMENT**CHEMICAL SAFETY ASSESSMENT NOT
REQUIRED/NOT CONDUCTED

OTHER ADVERSE EFFECTS NO DATA AVAILABLE

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

PRODUCTBURN IN A CHEMICAL INCINERATOR EQUIPPED WITH
AN AFTERBURNER AND SCRUBBER BUT EXERT EXTRA
CARE IN IGNITING AS THIS MATERIAL IS HIGHLY
FLAMMABLE. OFFER SURPLUS AND NON-RECYCLABLE
SOLUTIONS TO A LICENSED DISPOSAL COMPANY.
CONTACT A LICENSED PROFESSIONAL WASTE
DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL.

CONTAMINATEDDISPOSE OF AS UNUSED PRODUCT.PACKAGINGDispose of a subscription

SECTION 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME:	CORROSIVE LIQUIDS, FLAMMABLE, N.O.S.
	(ACETONITRILE, BORON TRIFLUORIDE)
UN NUMBER:	2920
CLASS:	8 (3)
PACKING GROUP:	Ι
REPORTABLE QUANTITY	
(RQ):	
POISON INHALATION	NO
HAZARD:	
IMDG	
PROPER SHIPPING NAME:	CORROSIVE LIQUIDS, FLAMMABLE, N.O.S.
	(ACETONITRILE, BORON TRIFLUORIDE)
UN NUMBER:	2920
CLASS:	8 (3)
PACKING GROUP:	Ι
EMS-NO:	F-E, S-C

PROPER SHIPPING NAME:CORROSIVE LIQUIDS, FLAMMABLE, N.O.S.
(ACETONITRILE, BORON TRIFLUORIDE)UN NUMBER:2920CLASS:8 (3)PACKING GROUP:I

SECTION 15. REGULATORY INFORMATION

SARA 302 COMPONENTS

	CAS-NO.	REVISION DATE
BORON TRIFLUORIDE	7637-07-2	02-08-2013

SARA 313 COMPONENTS

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

ACETONITRILE	CAS-NO. 75-05-8	REVISION DATE 07-01-2007
BORON TRIFLUORIDE	7637-07-2	02-08-2013

SARA 311/312 HAZARDS FIRE HAZARD, ACUTE HEALTH HAZARD

MASSACHUSETTS RIGHT TO KNOW COMPONENTS

NO COMPONENTS ARE SUBJECT TO THE MASSACHUSETTS RIGHT TO KNOW ACT.

PENNSYLVANIA RIGHT TO KNOW COMPONENTS

	CAS-NO.	REVISION DATE
ACETONITRILE	75-05-8	07-01-2007
BORON TRIFLUORIDE	7637-07-2	02-08-2013

SECTION 16. OTHER INFORMATION

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

H225	HIGHLY FLAMMABLE LIQUID AND VAPOUR.
H302	HARMFUL IF SWALLOWED.
H314	CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
H331	TOXIC IF INHALED.
H335	MAY CAUSE RESPIRATORY IRRITATION.
H373	MAY CAUSE DAMAGE TO ORGANS (KIDNEY) THROUGH
	PROLONGED OR REPEATED EXPOSURE IF INHALED.

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