# **Chem-Impex International Inc.**

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# SAFETY DATA SHEET

#### SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #:	35638
NAME:	Lithium hexafluoroarsenate(V)
SYNONYMS:	Hexafluoroarsenate(V) lithium
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) ACUTE TOXICITY, ORAL (CATEGORY 3), H301 ACUTE TOXICITY, INHALATION (CATEGORY 3), H331 SHORT-TERM (ACUTE) AQUATIC HAZARD (CATEGORY 1), H400 LONG-TERM (CHRONIC) AQUATIC HAZARD (CATEGORY 1), H410 FOR THE FULL TEXT OF THE H-STATEMENTS MENTIONED IN THIS SECTION, SEE SECTION 16.

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

PICTOGRAM	
SIGNAL WORD	DANGER
HAZARD STATEMENT(	S)
H301 + H331	TOXIC IF SWALLOWED OR IF INHALED.
H410	VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
PRECAUTIONARY STA	TEMENT(S)
P261	AVOID BREATHING 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.
P273	AVOID RELEASE TO THE ENVIRONMENT.
P301 + P310 + P330	IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/ PHYSICIAN. RINSE MOUTH.
P304 + P340 + P311	IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING. CALL A POISON CENTER/DOCTOR.
P391	COLLECT SPILLAGE.
P403 + P233	STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER
	TIGHTLY CLOSED.
P405	STORE LOCKED UP.
P501	DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT.
HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED	NONE

# SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

BY GHS

MF:	LiAsF <sub>6</sub>	
MW:	195.85	
CAS-NO.	29935-35-1	
PURITY:	>99% AT	

COMPONENT	CLASSIFICATION	CONCENTRATION
Lithium hexafluoroarsen	ate(V)	
	ACUTE TOX. 3; AQUATIC ACUTE 1; AQUATIC CHRONIC 1; H301, H331, H400, H410 M-FACTOR - AQUATIC ACUTE: 10	<= 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** CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.MOVE OUT OF DANGEROUS AREA. 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. **IF INHALED** IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CONSULT A PHYSICIAN. WASH OFF WITH SOAP AND PLENTY OF WATER. TAKE **IN CASE OF SKIN** CONTACT VICTIM IMMEDIATELY TO HOSPITAL. CONSULT A

PHYSICIAN.FIRST TREATMENT WITH CALCIUM GLUCONATE PASTE.

#### **IN CASE OF EYE** FLUSH EYES WITH WATER AS A PRECAUTION. **CONTACT**

IF SWALLOWED NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. CONSULT A PHYSICIAN.

MOST IMPORTANTTHE MOST IMPORTANT KNOWN SYMPTOMS ANDSYMPTOMS ANDEFFECTS ARE DESCRIBED IN THE LABELLING (SEEEFFECTS, BOTH ACUTESECTION 2.2) AND/OR IN SECTION 11AND DELAYEDSection 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	USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY
EXTINGUISHING MEDIA	CHEMICAL OR CARBON DIOXIDE.
SPECIAL HAZARDS	HYDROGEN FLUORIDE, LITHIUM OXIDES, ARSENIC
ARISING FROM THE	OXIDES
SUBSTANCE OR MIXTURE	NOT COMBUSTIBLE.
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 DUST
PRECAUTIONS,	FORMATION. AVOID BREATHING VAPOURS, MIST OR
PROTECTIVE	GAS. ENSURE ADEQUATE VENTILATION. EVACUATE
EQUIPMENT AND EMERGENCY	PERSONNEL TO SAFE AREAS. AVOID BREATHING DUST.
PROCEDURES	FOR PERSONAL PROTECTION SEE SECTION 8.
ENVIRONMENTAL	PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO
PRECAUTIONS	DO SO. DO NOT LET PRODUCT ENTER DRAINS.

DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP PICK UP AND ARRANGE DISPOSAL WITHOUT CREATING DUST. SWEEP UP AND SHOVEL. KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL.

**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	FORMATION OF DUST AND AEROSOLS.FURTHER
	PROCESSING OF SOLID MATERIALS MAY RESULT IN
	THE FORMATION OF COMBUSTIBLE DUSTS. THE
	POTENTIAL FOR COMBUSTIBLE DUST FORMATION
	SHOULD BE TAKEN INTO CONSIDERATION BEFORE
	ADDITIONAL PROCESSING OCCURS.
	PROVIDE APPROPRIATE EXHAUST VENTILATION AT
	PLACES WHERE DUST IS FORMED.
	FOR PRECAUTIONS SEE SECTION 2.2.
CONDITIONS FOR SAFE	KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND
STORAGE, INCLUDING	WELL-VENTILATED PLACE.
ANY INCOMPATIBILITIES	KEEP IN A DRY PLACE.
	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**

#### COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

COMPONENT	CAS-NO.	VALUE	CONTROL	BASIS
			PARAMETERS	
	REMARKS	SUBSTAN	ICE LISTED; FOR	MORE INFORMATION SEE
		OSHA DO	CUMENT	
		1910.1018		
Lithium	29935-35-1	TWA	0.01 MG/M3	USA. ACGIH THRESHOLD
hexafluoroarsenate(V)				LIMIT VALUES (TLV)

LUNG CA	NCED	
~ ~ ~ ~ ~ ~ ~ ~		H THERE IS A BIOLOGICAL
	RE INDEX OR IN	
	IED HUMAN CA	RCINOGEN
VARIES		
PEL	0.01 MG/M3	OSHA SPECIFICALLY
		REGULATED
		CHEMICALS/CARCINOGENS
1910.1018		
THIS SEC	TION APPLIES 7	TO ALL OCCUPATIONAL
EXPOSU	RES TO INORGA	NIC ARSENIC EXCEPT THAT
THIS SEC	TION DOES NO	T APPLY TO EMPLOYEE
EXPOSU	RES IN AGRICUI	TURE OR RESULTING FROM
PESTICIE	<b>DE APPLICATION</b>	I, THE TREATMENT OF WOOD
WITH PR	ESERVATIVES O	R THE UTILIZATION OF
ARSENIC	ALLY PRESERV	ED WOOD.
OSHA SPI	ECIFICALLY RE	GULATED CARCINOGEN
С	0.002 MG/M3	USA. NIOSH RECOMMENDED
		EXPOSURE LIMITS
POTENTI	AL OCCUPATIO	NAL CARCINOGEN
OSHA CO	NSIDERS "INOR	GANIC ARSENIC" TO MEAN
COPPER A	ACETOARSENIT	Έ & ALL INORGANIC
COMPOU	NDS CONTAINI	NG ARSENIC EXCEPT ARSINE.
SEE APPE	ENDIX A	
15 MINUT	TE CEILING VAL	JUE
PEL	0.01 MG/M3	CALIFORNIA PERMISSIBLE
		EXPOSURE LIMITS FOR
		CHEMICAL CONTAMINANTS
SEE SECT	FION 5214	•

#### **EXPOSURE CONTROLS**

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

#### PERSONAL PROTECTIVE EQUIPMENT

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

- SKIN PROTECTIONHANDLE WITH GLOVES. GLOVES MUST BE INSPECTED PRIOR<br/>TO USE. USE PROPER GLOVE REMOVAL TECHNIQUE (WITHOUT<br/>TOUCHING GLOVE''S OUTER SURFACE) TO AVOID SKIN<br/>CONTACT WITH THIS PRODUCT. DISPOSE OF CONTAMINATED<br/>GLOVES AFTER USE IN ACCORDANCE WITH APPLICABLE LAWS<br/>AND GOOD LABORATORY PRACTICES. WASH AND DRY HANDS.
- **BODY PROTECTION** COMPLETE SUIT PROTECTING AGAINST CHEMICALS, 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 A FULLFACE PARTICLE RESPIRATOR TYPE N99 (US) OR TYPE P2 (EN 143) 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
CONTROL OF ENVIRONMENTAL	GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR CEN (EU). PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS.
EXPOSURE	DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED.

# SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	White powder
ODOUR	White powder NO DATA AVAILABLE
	NO DATA AVAILABLE NO DATA AVAILABLE
ODOUR THRESHOLD	
PH	NO DATA AVAILABLE
MELTING	
POINT/FREEZING POINT	
INITIAL BOILING POINT	
AND BOILING RANGE	
FLASH POINT	
EVAPORATION RATE	NO DATA AVAILABLE
FLAMMABILITY (SOLID,	THE PRODUCT IS NOT FLAMMABLE.
GAS)	
UPPER/LOWER	NO DATA AVAILABLE
FLAMMABILITY OR	
EXPLOSIVE LIMITS	
VAPOUR PRESSURE	NO DATA AVAILABLE
VAPOUR DENSITY	NO DATA AVAILABLE
RELATIVE DENSITY	
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	NO DATA AVAILABLE
OXIDIZING PROPERTIES	NO DATA AVAILABLE
<b>OTHER SAFETY</b>	NO DATA AVAILABLE
INFORMATION	

#### SECTION 10. STABILITY AND REACTIVITY

REACTIVITY	NO DATA AVAILABLE
CHEMICAL STABILITY	STABLE UNDER RECOMMENDED STORAGE CONDITIONS.
POSSIBILITY OF HAZARDOUS REACTIONS	NO DATA AVAILABLE
CONDITIONS TO AVOID	NO DATA AVAILABLE
INCOMPATIBLE MATERIALS	STRONG OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS	HAZARDOUS DECOMPOSITION PRODUCTS FORMED UNDER FIRE CONDITIONS HYDROGEN FLUORIDE, LITHIUM OXIDES, ARSENIC 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	NO DATA AVAILABLE	
	INHALATION: NO DATA AVAILABLE	
	DERMAL: NO DATA AVAILABLE	
	NO DATA AVAILABLE	
SKIN CORROSION/IRRITATION	NO DATA AVAILABLE	
SERIOUS EYE DAMAGE/EYE IRRITATION	NO DATA AVAILABLE	
RESPIRATORY OR SKIN SENSITISATION	NO DATA AVAILABLE	
GERM CELL MUTAGENICITY	NO DATA AVAILABLE	
CARCINOGENICITY	THIS IS OR CONTAINS A COMPONENT THAT HAS BEEN REPORTED TO BE CARCINOGENIC BASED ON ITS IARC, OSHA, ACGIH, NTP, OR EPA CLASSIFICATION.	

IARC: NTP: OSHA:	1 - GROUP 1: CARCINOGENIC TO HUMANS KNOWN - KNOWN TO BE HUMAN CARCINOGEN OSHA SPECIFICALLY REGULATED CARCINOGEN
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	FLUORIDE ION CAN REDUCE SERUM CALCIUM LEVELS POSSIBLY CAUSING FATAL HYPOCALCEMIA.
	ABSORPTION INTO THE BODY LEADS TO THE FORMATION OF METHEMOGLOBIN WHICH IN SUFFICIENT CONCENTRATION CAUSES CYANOSIS. ONSET MAY BE DELAYED 2 TO 4 HOURS OR LONGER.
	STOMACH - IRREGULARITIES - BASED ON HUMAN EVIDENCE

# SECTION 12. ECOLOGICAL INFORMATION

ΤΟΧΙCITY	NO DATA AVAILABLE
PERSISTENCE AND DEGRADABILITY	NO DATA AVAILABLE
BIOACCUMULATIVE POTENTIAL	NO DATA AVAILABLE
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 EFFECTSAN ENVIRONMENTAL HAZARD CANNOT BE<br/>EXCLUDED IN THE EVENT OF UNPROFESSIONAL<br/>HANDLING OR DISPOSAL.<br/>VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING<br/>EFFECTS.

#### SECTION 13. DISPOSAL CONSIDERATIONS

#### WASTE TREATMENT METHODS

PRODUCT	OFFER SURPLUS AND NON-RECYCLABLE SOLUTIONS TO A LICENSED DISPOSAL COMPANY. CONTACT A
	LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE
	TO DISPOSE OF THIS MATERIAL. DISSOLVE OR MIX THE
	MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN
	IN A CHEMICAL INCINERATOR EQUIPPED WITH AN
	AFTERBURNER AND SCRUBBER.
CONTAMINATED PACKAGING	DISPOSE OF AS UNUSED PRODUCT.
memorio	

# SECTION 14. TRANSPORT INFORMATION

DOT (US)	
PROPER SHIPPING NAME:	ARSENIC COMPOUND, SOLID, N.O.S. (Lithium hexafluoroarsenate(V))
UN NUMBER:	1557
CLASS:	6.1
PACKING GROUP:	II
REPORTABLE QUANTITY	
(RQ):	
POISON INHALATION	NO
HAZARD:	
IMDG	
PROPER SHIPPING NAME:	ARSENIC COMPOUNDS, SOLID, N.O.S. (Lithium hexafluoroarsenate(V))
UN NUMBER:	1557
CLASS:	6.1
PACKING GROUP:	II
EMS-NO:	F-A, S-A
MARINE POLLUTANT :	YES
ΙΑΤΑ	
PROPER SHIPPING NAME:	ARSENIC COMPOUNDS, SOLID, N.O.S. (Lithium hexafluoroarsenate(V))
UN NUMBER:	1557

CLASS:	6.1
PACKING GROUP:	II

# SECTION 15. REGULATORY INFORMATION

SARA 302 COMPONENTS	NO CHEMICALS IN THIS MA REPORTING REQUIREMENT SECTION 302.	ATERIAL ARE SUBJECT TO THE TS OF SARA TITLE III,
SARA 313 COMPONENTS	THE FOLLOWING COMPON REPORTING LEVELS ESTAE SECTION 313: CAS-NO.	
Lithium hexafluoroarsenate(V)	29935-35-1	07-08-2015
SARA 311/312 HAZARDS	ACUTE HEALTH HAZARD, O	CHRONIC 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
Lithium hexafluoroarsenate(V)	29935-35-1	07-08-2015

CALIFORNIA PROP. 65	WHICH IS/ARE KNOWN TO	THE STATE OF CALIFORNIA
COMPONENTS	TO CAUSE CANCER. FOR MORE INFORMATION GO TO	
	WWW.P65WARNINGS.CA.G	OV.
	CAS-NO.	REVISION DATE
Lithium hexafluoroarsenate(V)	29935-35-1	09-28-2007

# SECTION 16. OTHER INFORMATION

FULL TEXT OF H-STATEME	INTS REFERRED TO UNDER SECTIONS 2 AND 3.
H301 + H331	TOXIC IF SWALLOWED OR IF INHALED
H410	VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

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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