Chem-Impex International Inc.

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SAFETY DATA SHEET

SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #:	30219
NAME:	Sodium arsenate heptahydrate
SYNONYMS:	Disodium hydrogen arsenate heptahydrate Sodium arsenate dibasic heptahydrate
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) ACUTE TOXICITY, ORAL (CATEGORY 3), H301 ACUTE TOXICITY, INHALATION (CATEGORY 3), H331 CARCINOGENICITY (CATEGORY 1B), H350 ACUTE AQUATIC TOXICITY (CATEGORY 1), H400

CHRONIC AQUATIC TOXICITY (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



HAZARD STATEMENT(S H301 + H331	5) TOXIC IF SWALLOWED OR IF INHALED
H301 + H331 H350	MAY CAUSE CANCER.
H410	VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING
DDECAUTIONADY CTAT	EFFECTS.
PRECAUTIONARY STAT	
P201	OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.
P202	DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE
	BEEN READ AND UNDERSTOOD.
P261	AVOID BREATHING DUST/ FUME/ GAS/ MIST/ VAPOURS/
Da ()	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.
P281	USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.
P301 + P310	IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR
	DOCTOR/ PHYSICIAN.
P304 + P340	IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT
	REST IN A POSITION COMFORTABLE FOR BREATHING.
P308 + P313	IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/
	ATTENTION.
P321	SPECIFIC TREATMENT (SEE SUPPLEMENTAL FIRST AID
	INSTRUCTIONS ON THIS LABEL).
P330	RINSE MOUTH.
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	NONE
	INDINE

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MF:	Na ₂ HAsO ₄ ·7H ₂ O
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MW: 312.01

CAS-NO. 10048-95-0

PURITY: 98 - 102% (Assay by titration)

HAZARDOUS COMPONENTS

COMPONENT	CLASSIFICATION	CONCENTRATION
Sodium arsenate heptahyd	rate	
	ACUTE TOX. 3; CARC. 1B;	<= 100 %
	AQUATIC ACUTE 1; AQUATIC	
	CHRONIC 1; H301 + H331,	
	H350, H410	
FOR THE FULL TEXT O	F THE H-STATEMENTS MENTION	ED 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. TAKE VICTIM IMMEDIATELY TO HOSPITAL. CONSULT A PHYSICIAN.
IN CASE OF EYE CONTACT	FLUSH EYES WITH WATER AS A PRECAUTION.
IF SWALLOWED	NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. 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	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 ARISING FROM THE SUBSTANCE OR MIXTURE	SODIUM OXIDES, ARSENIC OXIDES
ADVICE FOR	WEAR SELF CONTAINED BREATHING APPARATUS FOR
FIREFIGHTERS	FIRE FIGHTING IF NECESSARY.

FURTHER INFORMATION NO DATA AVAILABLE

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	WEAR RESPIRATORY PROTECTION. AVOID DUST FORMATION. AVOID BREATHING VAPOURS, MIST OR GAS. ENSURE ADEQUATE VENTILATION. EVACUATE PERSONNEL TO SAFE AREAS. AVOID BREATHING DUST. FOR PERSONAL PROTECTION SEE SECTION 8.
ENVIRONMENTAL PRECAUTIONS	PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO 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 SECTIONS	FOR DISPOSAL SEE SECTION 13.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	AVOID CONTACT WITH SKIN AND EYES. AVOID FORMATION OF DUST AND AEROSOLS. PROVIDE APPROPRIATE EXHAUST VENTILATION AT PLACES WHERE DUST IS FORMED. FOR PRECAUTIONS SEE SECTION 2.2.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE.
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			
Sodium arsenate	10048-95-0	TWA	0.010000 MG/M3	USA. OCCUPATIONAL		
heptahydrate				EXPOSURE LIMITS		
				(OSHA) - TABLE Z-1 LIMITS		
				FOR AIR		
				CONTAMINANTS		
	REMARKS		,	ORE INFORMATION SEE		
		OSHA DOCUMENT 1910.1018				
		TWA	0.010000 MG/M3	USA. ACGIH THRESHOLD		
				LIMIT VALUES		
				(TLV)		
		LUNG CAN				
		SUBSTANCES FOR WHICH THERE IS A BIOLOGICAL				
		EXPOSURE INDEX OR INDICES				
		(SEE BEI_SECTION) CONFIRMED HUMAN CARCINOGEN				
			D HUMAN CARCI	NOGEN		
		VARIES	- 1			
		PEL	0.010000 MG/M3	OSHA SPECIFICALLY		
				REGULATED		
				CHEMICALS/CARCINOGENS		
		1910.1018				
		THIS SECTION APPLIES TO ALL OCCUPATIONAL				
				ARSENIC EXCEPT THAT THIS		
		SECTION DOES NOT APPLY TO EMPLOYEE EXPOSURES IN				
				IG FROM PESTICIDE		
			,	ENT OF WOOD WITH		
				LIZATION OF ARSENICALLY		
		PRESERVEI				
		OSHA SPEC	CIFICALLY REGUL	ATED CARCINOGEN		

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

C		USA. NIOSH RECOMMENDED EXPOSURE LIMITS
OSHA CONSII COPPER ACE COMPOUNDS SEE APPENDI	TOARSENITE & A	CARCINOGEN NC ARSENIC'' TO MEAN ALL INORGANIC RSENIC EXCEPT ARSINE.
SUBSTANCE 1 OSHA DOCUM 1910.1018	,	DRE INFORMATION SEE

BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS

COMPONENT	CAS-NO.	PARAMETERS	VALUE	BIOLOGICAL	BASIS
				SPECIMEN	
Sodium arsenate	10048-95-0	INORGANIC	35 G	URINE	ACGIH -
heptahydrate		ARSENIC PLUS	AS/L		BIOLOGICAL
		METHYLATED			EXPOSURE
		METABOLITES			INDICES
					(BEI)
	REMARKS	END OF THE W	ORKWEI	EK (AFTER FOUR	OR FIVE
		CONSECUTIVE	WORKIN	NG DAYS WITH E	XPOSURE)

EXPOSURE CONTROLS

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

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION	FACE SHIELD AND SAFETY GLASSES USE EQUIPMENT FOR
	EYE PROTECTION TESTED AND APPROVED UNDER
	APPROPRIATE GOVERNMENT STANDARDS 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: NITRILE RUBBER
	MATERIAL: MITRIE ROBBER MINIMUM LAYER THICKNESS: 0.11 MM
	BREAK THROUGH TIME: 480 MIN
	MATERIAL TESTED:DERMATRIL (KCL 740, SIZE M)
	SPLASH CONTACT
	MATERIAL: NITRILE RUBBER
	MINIMUM LAYER THICKNESS: 0.11 MM
	BREAK THROUGH TIME: 480 MIN MATERIAL TESTED:DERMATRIL (KCL 740, SIZE M)
	MATERIAL TESTED. DERMATRIE (RCL 740, 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, THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF THE DANGEROUS SUBSTANCE AT THE SPECIFIC WORKPLACE.
RESPIRATORY	WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING
PROTECTION	RESPIRATORS ARE APPROPRIATE USE A FULL-FACE
	PARTICLE RESPIRATOR TYPE N100 (US) OR TYPE P3 (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 GOVERNMENT STANDARDS SUCH AS NIOSH
	(US) OR CEN (EU).
CONTROL OF	PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO
ENVIRONMENTAL	DO SO. DO NOT LET PRODUCT ENTER DRAINS. DISCHARGE
EXPOSURE	INTO THE ENVIRONMENT MUST BE AVOIDED.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	White powder
ODOUR	NO DATA AVAILABLE
ODOUR THRESHOLD	NO DATA AVAILABLE
РН	8.5 - 9.0 AT 50 G/L AT 25 C
MELTING	57 °C (Approx.)
POINT/FREEZING POINT	
INITIAL BOILING POINT	
AND BOILING RANGE	
FLASH POINT	
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	
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
OTHER SAFETY	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, STRONG ACIDS
HAZARDOUS	OTHER DECOMPOSITION PRODUCTS - NO DATA
DECOMPOSITION	AVAILABLE
PRODUCTS	IN THE EVENT OF FIRE: SEE SECTION 5

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY	INHALATION: NO DATA AVAILABLE DERMAL: NO DATA AVAILABLE LD50 INTRAMUSCULAR - MOUSE - 87.36 MG/KG
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 IARC: NTP: OSHA:	THIS IS OR CONTAINS A COMPONENT THAT HAS BEEN REPORTED TO BE CARCINOGENIC BASED ON ITS IARC, OSHA, ACGIH, NTP, OR EPA CLASSIFICATION. POSSIBLE HUMAN CARCINOGEN 1 - GROUP 1: CARCINOGENIC TO HUMANS (SODIUM ARSENATE DIBASIC HEPTAHYDRATE) KNOWN TO BE HUMAN CARCINOGEN (SODIUM ARSENATE DIBASIC HEPTAHYDRATE) 1910.1018 (SODIUM ARSENATE DIBASIC HEPTAHYDRATE) OSHA SPECIFICALLY REGULATED CARCINOGEN (SODIUM ARSENATE DIBASIC HEPTAHYDRATE)
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

ADDITIONALRTECS: CG0900000INFORMATIONBURNING, DRY NOSE, DRY MOUTH, MUSCLE
CRAMPS/SPASMS., NAUSEA, VOMITING, DIARRHOEA,
SHOCK., DEATH, MAY CAUSE IRRITATION OF THE:,
GASTROINTESTINAL TRACT
STOMACH - IRREGULARITIES - BASED ON HUMAN
EVIDENCE

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY	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 EFFECTS	AN ENVIRONMENTAL HAZARD CANNOT BE EXCLUDED IN THE EVENT OF UNPROFESSIONAL HANDLING OR DISPOSAL. VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

PACKAGING

PRODUCTOFFER 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.CONTAMINATEDDISPOSE OF AS UNUSED PRODUCT.

SECTION 14. TRANSPORT INFORMATION

DOT (US)	
PROPER SHIPPING NAME:	SODIUM ARSENATE
UN NUMBER:	1685
CLASS:	6.1
PACKING GROUP:	II
POISON INHALATION	NO
HAZARD:	
IMDG	
PROPER SHIPPING NAME:	SODIUM ARSENATE
UN NUMBER:	1685
CLASS:	6.1
PACKING GROUP:	II
EMS-NO:	F-A, S-A
MARINE POLLUTANT:	YES
IATA	
PROPER SHIPPING NAME:	SODIUM ARSENATE
UN NUMBER:	1685
CLASS:	6.1

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SECTION 15. REGULATORY INFORMATION

PACKING GROUP:

SARA 302 COMPONENTS	5.110.1002.110 0112.110112	S IN THIS MATERIAL ARE ING REQUIREMENTS OF SARA
SARA 313 COMPONENTS	THE FOLLOWING COMPONENTS ARE SUBJECT TO	
	REPORTING LEVELS ESTA	ABLISHED BY SARA TITLE III,
	SECTION 313:	
	CAS-NO.	REVISION DATE
Sodium arsenate heptahydrate	10048-95-0	1/1/1987
MASSACHUSETTS RIGHT	TO KNOW COMPONENTS CAS-NO.	REVISION DATE
Sodium arsenate heptahydrate	10048-95-0	1/1/1987
PENNSYLVANIA RIGHT TO KNOW COMPONENTS CAS-NO. REVISION DATE		
Codium anomata hantahadaata		
Sodium arsenate heptahydrate	10048-95-0	1/1/1987
NEW JERSEY RIGHT TO K	NOW COMPONENTS	

CAS-NO.

REVISION DATE

Sodium arsenate heptahydrate	10048-95-0	1/1/1987
CALIFORNIA PROP. 65 COMPONENTS	WARNING! THIS PRODUCT KNOWN TO THE STATE OF CANCER. CAS-NO.	
Sodium arsenate heptahydrate	10048-95-0	2/27/1987

SECTION 16. OTHER INFORMATION

FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.		
ACUTE TOX.	ACUTE TOXICITY	
AQUATIC ACUTE	ACUTE AQUATIC TOXICITY	
AQUATIC CHRONIC	CHRONIC AQUATIC TOXICITY	
CARC.	CARCINOGENICITY	
H301	TOXIC IF SWALLOWED.	
H301 + H331	TOXIC IF SWALLOWED OR IF INHALED	
H331	TOXIC IF INHALED.	
H350	MAY CAUSE CANCER.	
HMIS RATING		
HEALTH HAZARD:	2	
CHRONIC HEALTH	*	
HAZARD:		
FLAMMABILITY:	0	
PHYSICAL HAZARD	0	
NFPA RATING		
HEALTH HAZARD:	2	
FIRE HAZARD:	0	
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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