# **Chem-Impex International Inc.**

Tel: (630) 766-2112 E-mail: <u>sales@chemimpex.com</u> Shipping and Correspondence: 935 Dillon Drive Wood Dale, IL 60191 USA Fax: (630) 766-2218 Web site: <u>www.chemimpex.com</u> Manufacturing site: 825 Dillon Drive Wood Dale, IL 60191 USA

## SAFETY DATA SHEET

#### SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #:	35367
NAME:	Ammonium dichromate
SYNONYMS:	Ammonium bichromate
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) OXIDIZING SOLIDS (CATEGORY 2), H272 ACUTE TOXICITY, ORAL (CATEGORY 3), H301 ACUTE TOXICITY, INHALATION (CATEGORY 2), H330 ACUTE TOXICITY, DERMAL (CATEGORY 4), H312 SKIN CORROSION (CATEGORY 1B), H314 SERIOUS EYE DAMAGE (CATEGORY 1), H318 RESPIRATORY SENSITISATION (CATEGORY 1), H334 SKIN SENSITISATION (CATEGORY 1), H317 GERM CELL MUTAGENICITY (CATEGORY 1B), H340 CARCINOGENICITY (CATEGORY 1B), H350 REPRODUCTIVE TOXICITY (CATEGORY 1B), H360

#### SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE (CATEGORY 1), H372 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

## HAZARD STATEMENT(S)

H272	MAY INTENSIFY FIRE; OXIDISER.
H301	TOXIC IF SWALLOWED.
H312	HARMFUL IN CONTACT WITH SKIN.
H314	CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
H317	MAY CAUSE AN ALLERGIC SKIN REACTION.
H330	FATAL IF INHALED.
H334	MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR
	BREATHING DIFFICULTIES IF INHALED.
H340	MAY CAUSE GENETIC DEFECTS.
H350	MAY CAUSE CANCER.
H360	MAY DAMAGE FERTILITY OR THE UNBORN CHILD.
H372	CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR
	REPEATED EXPOSURE.
H410	VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING
	EFFECTS.

#### PRECAUTIONARY STATEMENT(S)

OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.
DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE
BEEN READ AND UNDERSTOOD.
KEEP AWAY FROM HEAT.
KEEP/STORE AWAY FROM CLOTHING/ COMBUSTIBLE
MATERIALS.
TAKE ANY PRECAUTION TO AVOID MIXING WITH
COMBUSTIBLES.
DO NOT BREATHE DUST/ FUME/ GAS/ MIST/ VAPOURS/
SPRAY.
WASH SKIN THOROUGHLY AFTER HANDLING.
DO NOT EAT, DRINK OR SMOKE WHEN USING THIS
PRODUCT.
USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.
CONTAMINATED WORK CLOTHING SHOULD NOT BE
ALLOWED OUT OF THE WORKPLACE.
AVOID RELEASE TO THE ENVIRONMENT.
WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE
PROTECTION/ FACE PROTECTION.
WEAR RESPIRATORY PROTECTION.
IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER
OR DOCTOR/PHYSICIAN. RINSE MOUTH.
IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE
VOMITING.
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
P305 + P351 + P338 + P310	POISON CENTER OR DOCTOR/ PHYSICIAN. 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 OR DOCTOR/ PHYSICIAN.
P308 + P313	IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ ATTENTION
P333 + P313	AI TENTION. IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ ATTENTION.
P363	WASH CONTAMINATED CLOTHING BEFORE REUSE.
P370 + P378	IN CASE OF FIRE: USE DRY SAND, DRY CHEMICAL OR ALCOHOL-RESISTANT FOAM TO EXTINGUISH.
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 BY GHS	NONE

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MF:	$(\mathrm{NH}_4)_2\mathrm{Cr}_2\mathrm{O}_7$
MW:	252.07
CAS-NO.	7789-09-5
PURITY:	≥99.99% Metals basis

## HAZARDOUS COMPONENTS

COMPONENT CLASSIFICATION		CONCENTRATION	
Ammonium dichroma	te		
	OX. SOL. 2; ACUTE TOX. 3;	<= 100 %	
	ACUTE TOX. 2; ACUTE TOX. 4;		
	SKIN CORR. 1B; EYE DAM. 1;		
	RESP. SENS. 1; SKIN SENS. 1;		
	MUTA. 1B; CARC. 1B; REPR. 1B;		
	STOT RE 1; AQUATIC ACUTE 1;		
	AQUATIC CHRONIC 1; H272,		
	H301, H330, H312, H314, H318,		
	H334, H317, H340, H350, H360,		
	H372, H400, H410 M-FACTOR -		
	AQUATIC ACUTE: 10		
	M-FACTOR - AQUATIC		
	CHRONIC: 10		

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	TAKE OFF CONTAMINATED CLOTHING AND SHOES IMMEDIATELY. WASH OFF WITH SOAP AND PLENTY OF WATER. TAKE VICTIM IMMEDIATELY TO HOSPITAL. CONSULT A PHYSICIAN.
IN CASE OF EYE CONTACT	RINSE THOROUGHLY WITH PLENTY OF WATER FOR AT 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 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	USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE.
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	NITROGEN OXIDES (NOX), CHROMIUM OXIDES
ADVICE FOR FIREFIGHTERS	WEAR SELF-CONTAINED BREATHING APPARATUS FOR FIREFIGHTING IF NECESSARY.
FURTHER INFORMATION	USE WATER SPRAY TO COOL UNOPENED CONTAINERS.

#### 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	SWEEP UP AND SHOVEL. 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). 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.KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.KEEP AWAY FROM HEAT AND SOURCES OF IGNITION. FOR PRECAUTIONS SEE SECTION 2.2.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL- VENTILATED PLACE. DO NOT GRIND OR SUBJECT TO FRICTION OR SHOCK. ISOLATED STORAGE IS REQUIRED.
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		
	REMARKS	~	•	OSURE LIMIT FOR ANY	
		OPERATIONS (	OR SECTORS W	HERE THE EXPOSURE LIMIT IN	
		1910.1026 IS ST	AYED OR IS OT	THERWISE NOT IN EFFECT	
		SUBSTANCE L	ISTED; FOR MC	DRE INFORMATION SEE OSHA	
		DOCUMENT 1910.1026			
Ammonium dichromate	7789-09-5	CEIL	1MG/10M3	USA. OCCUPATIONAL	
				EXPOSURE LIMITS (OSHA) -	
				TABLE Z-2	
		Z37.7-1971			
		THIS STANDARD APPLIES TO ANY OPERATIONS OR SECTORS			
		FOR WHICH THE EXPOSURE LIMIT IN THE CHROMIUM (VI)			
		STANDARD, SI	EC. 1910.1026, IS	S STAYED OR IS OTHERWISE NOT	
		IN EFFECT.			
		TWA	0.0002 MG/M3	USA. ACGIH THRESHOLD LIMIT	
				VALUES (TLV)	
		DERMAL SENSITIZATION			
		RESPIRATORY SENSITIZATION			
		RESPIRATORY TRACT IRRITATION			
		SINONASAL C.	ANCER		
		LUNG CANCER			
		ASTHMA			
		2018 ADOPTION			
		CONFIRMED HUMAN CARCINOGEN			
		DANGER OF CUTANEOUS ABSORPTION			
		VARIES			
		STEL	0.0005 MG/M3	USA. ACGIH THRESHOLD LIMIT	
				VALUES (TLV)	
		DERMAL SENS	SITIZATION	-	
		RESPIRATORY SENSITIZATION			
		RESPIRATORY TRACT IRRITATION			
		SINONASAL CANCER			
		LUNG CANCER			
		ASTHMA			
		2018 ADOPTION			
		CONFIRMED HUMAN CARCINOGEN			
		DANGER OF CUTANEOUS ABSORPTION			
		VARIES			
		PEL	0.005 MG/M3	OSHA SPECIFICALLY	
				REGULATED	
	1		1	CHEMICALS/CARCINOGENS	

#### **BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS**

COMPONENT	CAS-NO.	PARAMETERS	-	BIOLOGICAL SPECIMEN	BASIS
Ammonium dichromate	7789-09-5	TOTAL CHROMIUM	25 G/L		ACGIH - BIOLOGICAL EXPOSURE INDICES (BEI)
	REMARKS	END OF SHIFT	AT END OF WO	RKWEEK	
		TOTAL CHROMIUM	10 G/L		ACGIH - BIOLOGICAL EXPOSURE INDICES (BEI)
		INCREASE DUI	RING SHIFT		

#### **EXPOSURE CONTROLS**

APPROPRIATE ENGINEERING CONTROLS AVOID CONTACT WITH SKIN, EYES AND CLOTHING. WASH 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 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)
	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 PROTECTION	WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING 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 ENVIRONMENTAL EXPOSURE	PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS. DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON B	ASIC PHYSICAL AND CHEMICAL PROPERTIES
ΔΡΡΕΔΡΔΝΟΕ	Orange to dark orange crystals

APPEARANCE ODOUR ODOUR THRESHOLD PH MELTING POINT/FREEZING POINT BOILING POINT FLASH POINT Orange to dark orange crystals. NO DATA AVAILABLE NO DATA AVAILABLE 3.0 - 4.0 AT 50 G/L AT 25 C 185 °C (dec.) (Approx.)

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	2.12
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	THE SUBSTANCE OR MIXTURE IS CLASSIFIED AS OXIDIZING
	WITH THE CATEGORY 2.
<b>OTHER SAFETY</b>	NO DATA AVAILABLE

## SECTION 10. STABILITY AND REACTIVITY

INFORMATION

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 REDUCING AGENTS, ALCOHOLS, STRONG ACIDS, DO NOT STORE NEAR ACIDS.
HAZARDOUS DECOMPOSITION PRODUCTS	HAZARDOUS DECOMPOSITION PRODUCTS FORMED UNDER FIRE CONDITIONS NITROGEN OXIDES (NOX), CHROMIUM 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

SKIN

LD50 ORAL - RAT - 53 MG/KG

LC50 INHALATION - RAT - 4 H - 160 PPM

DERMAL: NO DATA AVAILABLE

NO DATA AVAILABLE

NO DATA AVAILABLE

CORROSION/IRRITATION

SERIOUS EYEEYES RABBITDAMAGE/EYE IRRITATIONRESULT: SEVERE EYE IRRITATION<br/>(DRAIZE TEST)

RESPIRATORY OR SKIN NO DATA AVAILABLE SENSITISATION

GERM CELL	MAY ALTER GENETIC MATERIAL. IN VIVO TESTS SHOWED
MUTAGENICITY	MUTAGENIC EFFECTS

#### CARCINOGENICITY

CARCINUGENICITY			
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			
IARC:	1 - GROUP 1: CARCINOGENIC TO HUMANS (AMMONIUM		
	DICHROMATE)		
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		
USHA:			
	GREATER THAN OR EQUAL TO 0.1% IS ON OSHA S LIST OF		
	REGULATED CARCINOGENS.		
REPRODUCTIVE TOXICITY	MAY CAUSE CONGENITAL MALFORMATION IN THE		
	FETUS. PRESUMED HUMAN REPRODUCTIVE TOXICANT		
	MAY CAUSE REPRODUCTIVE DISORDERS.		
SPECIFIC TARGET ORGAN	NO DATA AVAILABLE		
TOXICITY - SINGLE			
EXPOSURE			
SPECIFIC TARGET ORGAN	CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR		
TOXICITY - REPEATED	REPEATED EXPOSURE.		
EXPOSURE			
ASPIRATION HAZARD	NO DATA AVAILABLE		
ADDITIONAL	RTECS: NOT AVAILABLE		
INFORMATION			
	TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL,		
	PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT		
	BEEN THOROUGHLY INVESTIGATED.		
	been monorodiler investighteb.		
	ULCERATION. MATERIAL IS EXTREMELY DESTRUCTIVE		
TO TISSUE OF THE MUCOUS MEMBRANES AND UPPER			
RESPIRATORY TRACT, EYES, AND SKIN.			
	RESFIRATORT TRACT, ETES, AND SRIN.		

#### SECTION 12. ECOLOGICAL INFORMATION

TOXICITY TOXICITY TO FISH	LC0 - LEUCISCUS IDUS (GOLDEN ORFE) - 50 MG/L - 48 H
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

PRODUCT	BURN 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. 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.

## SECTION 14. TRANSPORT INFORMATION

DOT (US)	
PROPER SHIPPING NAME:	AMMONIUM DICHROMATE
UN NUMBER:	1439
CLASS:	5.1
PACKING GROUP:	II

REPORTABLE QUANTITY (RQ): POISON INHALATION HAZARD:	10 LBS NO
IMDG PROPER SHIPPING NAME: UN NUMBER: CLASS: PACKING GROUP: EMS-NO: MARINE POLLUTANT:	AMMONIUM DICHROMATE 1439 5.1 II F-H, S-Q YES
IATA PROPER SHIPPING NAME: UN NUMBER: CLASS: PACKING GROUP:	AMMONIUM DICHROMATE 1439 5.1 II

# SECTION 15. REGULATORY INFORMATION

SARA 302 COMPONENTS	NO CHEMICALS IN THIS MATERIAL ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 302.			
SARA 313 COMPONENTS	THE FOLLOWING COMPONENTS ARE SUBJECT TO REPORTING LEVELS ESTABLISHED BY SARA TITLE III, SECTION 313:			
	CAS #	REVISION DATE		
Ammonium dichromate	7789-09-5	02-16-1993		
SARA 311/312 HAZARDS	REACTIVITY HAZARD, ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD			
MASSACHUSETTS RIGHT TO KNOW COMPONENTS				
	CAS #	REVISION DATE		
Ammonium dichromate	7789-09-5	02-16-1993		
PENNSYLVANIA RIGHT TO KNOW COMPONENTS				
	CAS #	REVISION DATE		
Ammonium dichromate	7789-09-5	02-16-1993		
NEW JERSEY RIGHT TO KNOW COMPONENTS				
	CAS #	REVISION DATE		
Ammonium dichromate	7789-09-5	02-16-1993		

# SECTION 16. OTHER INFORMATION

FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.	
H272	MAY INTENSIFY FIRE; OXIDISER.
H301	TOXIC IF SWALLOWED.
H312	HARMFUL IN CONTACT WITH SKIN.
H314	CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

H317	MAY CAUSE AN ALLERGIC SKIN REACTION.
H330	FATAL IF INHALED.
H334	MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR
	BREATHING DIFFICULTIES IF INHALED.
H340	MAY CAUSE GENETIC DEFECTS.
H350	MAY CAUSE CANCER.
H360	MAY DAMAGE FERTILITY OR THE UNBORN CHILD.
H372	CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR
	REPEATED EXPOSURE.
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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VERSION: 3.1.

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