SAFETY DATA SHEET

Issue Date 27-May-2015	Revision Date 27-May-2015	Version
	1. IDENTIFICATION	
Product identifier Product Name	cca treated utility pole Wolmanized® Heavy Duty™ Wood	
Other means of identification Product Code Synonyms	20001 No information available	

Recommended use of the chemical and restrictions on use Recommended Use Treated Wood UTILITY POLE

 Details of the supplier of the safety data sheet

 Supplier Address
 Manufacturer Address

 Customers and Licensees of:
 Macon Traesing Compared Arch Wood Protection, Inc.

 360 Interstate North Parkway, Ste 450 Allanta, GA 30339
 15029 Hw 45, Macon, M
Macon Treating Company 15029 Hw 45, Macon, Mississippi 39341

Emergency telephone number Company Phone Number 601-726-2932 24 Hour Emergency Phone Number 601-416-1361 Emergency Telephone 601-416-9995

Classification

OSHA Regulatory Status This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 3
Serious eye damage/eye irritation	Category 2B
Respiratory sensitization	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3

2. HAZARDS IDENTIFICATION

Label elements

Emergency Overview Dange Hazard statements Causes eye irritation May cause allergy or asthma symptoms or breathing difficulties if inhaled May cause an allergic skin reaction May cause cancer May cause respiratory irritation Causes mild skin irritation

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invironmental precautions		r spillage if safe to do so. Prevent er or sanitary sewer system. See 3		
lethods and material for con	tainment and cleaning up			
Methods for containment	Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading.			
lethods for cleaning up	to minimize spreading and containers for disposal. A and transfer to properly la	quipment as required. Cover pow d keep powder dry. Take up mech void creating dust. Clean contami beled containers. Sweep up and s ush away traces with water. Take	nanically, placing i nated surface tho shovel into suitabl	in appropriat roughly. Pick le containers
	7. HANDLING	AND STORAGE		
Precautions for safe handling				
dvice on safe handling	local exhaust ventilation. I precautionary measures a Wash contarninated clothi	. Do not use pressure treated chip May form combustible dust conce against static discharges. Avoid ci ing before reuse. Do not eat, drini lust/fume/gas/mist/vapors/spray.	ntrations in air. Ta ontact with skin, e	ake yes or cloth
Conditions for safe storage, in	ncluding any incompatibilities			
Storage Conditions	Avoid generation of dust.			
ncompatible materials	None known based on inf	ormation supplied.		
E	B. EXPOSURE CONTROLS	PERSONAL PROTECTIO	N	
Control parameters				
Chemical Name	ACGIH TI V	OSHA PEL	NIOSH	IDI H
Wood and Wood Dust NOT ASSIGNED	1.0 mg/m ³ Inhalable, 0.5 mg/m ³ Inhalable Western Red Cedar	15 mg/m ² Total Dust 5.0 mg/m ² Respirable Fraction	-	
Chromic Acid (CrO3)	-	TWA: 5 µg/m ³ (vacated) Ceiling: 0.1 mg/m ³ Ceiling: 0.1 mg/m ³ CrO3 applies to	TWA: 0.0002	mg/m ³ Cr
7736-94-5		any operations or sectors for which the Hexavalent Chromium standard [29 CFR 1910.1026] is stayed or is otherwise not in effect		
	TWA: 0.01 mg/m ³ As	any operations or sectors for which the Hexavalent Chromium standard [29 CFR 1910.1026] is stayed or is	IDLH: 5 m Ceiling: 0.002 mg	/m ³ As 15 m

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA. 965 F.2d 962 Other Information (11th Cir 1992)

Appropriate engineering controls

Engineering Controls Showers

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Odor No information available



Precautionary Statements - Prevention Obtain special instructions before use

Precautionary Statements - Prevention Obems special microtrops before some have been read and understood Use personal protective equipment as required Wash face. Analo and any exposed skith horoughly after handling Avoid breathing dualitume glasmissi vapors (spray) Contaminated work octahing should not be allowed out of the workplace Wear protective gloves Use only outdoors or in a weil-ventilated area

Precautionary Statements - Response IF exposed or concerned: Cell medical advice/lattention Specific treatmer (see first all section on this label) IF IN EVES: Rinse caudiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye imitation presists: Cell medical advice/attention IF ON SKIN: Wash with plenty of soap and water If skin irritation or rash occurs: Get medical advice/attention Wash contaminated clothing before reuse Wash contaminated clothing before reuse If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician IF INHALED: Remove vicim to fresh air and keep at rest in a position comfortable for breathing.

Precautionary Statements - Disposal Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other Information ______ Causes mild skin irritation Very toxic to aquatic life

No information available Unknown acute toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Synonym No information available.

Chemical Name	CAS No.	Weight-%	Trade Secret
Wood and Wood Dust	NOT ASSIGNED	90 - 100	
Chromic Acid (CrO3)	7738-94-5	0.1 - 1	
Arsenic Acid	7778-39-4	0.1 - 1	
Cupric Oxide	1317-38-0	0.1 - 1	

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	Eyewash stations Ventilation systems. Ventilation areas. Due to the explosive pr taken when sawing, sanding, or ignition sources. If required, u reduce generation of dust. Lox sanding, or machining this prod processing and storage areas.	stential of dust when suspend machining wood or wood pro se wet methods and/or explor al exhaust ventilation is reco luct. General dilution ventilatio	ed in air, preca ducts to prever sion suppression mmended whe	utions it spart in syst n sawi
Individual protection measures, su	ich as personal protective equip	oment		
Eye/face protection	Use safety glasses with side sh untreated wood.	ields or chemical goggles wh	en sawing or c	utting t
Skin and body protection	Wear leather gloves. Wear long treated or untreated wood.	sleeve shirt, pants, and stee	l-toed shoes w	hen ha
Respiratory protection	None normally required. When approved N95 or better dust ma		untreated woo	d, wear
General Hygiene Considerations	When using do not eat, drink or clothing is recommended. Avoid after handling. Keep away from	d contact with skin, eyes or cl	othing. Wash h	
	9. PHYSICAL AND CHEMI	CAL PROPERTIES		
nformation on basic physical and Physical state Appearance Color	chemical properties Solid No information available Slightly green	Odor Odor threshold	No inform No inform	
Property pH Melting point / freezing point Boiling point / boiling range Flash point Evaporation rate Flammability (solid, gas) Flammability (solid, gas)	Values No information available No information available No information available No information available No information available	<u>Remarks</u> • Method	<u>L</u>	
Upper flammability limit:	No information available			

	Bulk density
wood outdoors or in well ventilated pended in air, precautions should be d products to prevent sparks or other xolosion suppression systems to	
recommended when sawing, tilation is recommended in	Reactivity No data availa
	Chemical stall Stable under n Possibility of
s when sawing or cutting treated or	None under no Conditions to

activity data available hemical stability able under recommended storage c ossibility of Hazardous Reactions nmended storage conditions. ne under normal processing. None under normal processing. Conditions to avoid Extremes of temperature and direct sunlight. Incompatible materials None known based on information supplied. None known based on information supplied.

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11. TOXICOLOGICAL INFORMATION

No information available

nation on likely routes of exposure

roduct Information	
Inhalation	WOOD and WOOD DUST : . May cause cancer. May cause sensitization by inhalation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Eye contact	WOOD and WOOD DUST :. Irritating to eyes.
Skin contact	WOOD and WOOD DUST :. May cause irritation. May cause allergic skin reaction.
Indestion	WOOD and WOOD DUST · Harmful if swallowed

emical Name	Oral LD50	Dermal LD50	Inhalation LC50
omic Acid (CrO3)	80 mg/kg (Rat)	-	
38-94-5			
enic Acid 78-39-4	= 141.4 mg/kg (Rat)	= 1,750 mg/kg Rat(m)	0.794 mg/L Rat(m)
oric Oxide 17-38-0	>2,500 mg/kg LD50 (Rat)	>3,500 mg/kg LD50 (Rat)	-

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	The table be	low indicates whether each	agency has listed any ing	redient as a carcinogen.
Chemical Name	ACGIH	IARC	NTP	OSHA
Wood and Wood Dust NOT ASSIGNED	х	Group 1	x	x
Chromic Acid (CrO3) 7738-94-5	-	Group 1	Known	x
Arsenic Acid 7778-39-4	A1	Group 1	Known	x
A1 - Known Human Carc	ncy for Research on Cance Humans gy Program)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		

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Description of first aid measures General advice If symptoms persist, call a physician Eve contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. Skin contact Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician. Inhalation Remove to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Indestion Self-protection of the first aider Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Most important symptoms and effects, both acute and delayed Symptoms See Section 11: TOXICOLOGICAL INFORMATION. Indication of any immediate medical attention and special treatment needed May cause sensitization in susceptible persons. Treat symptomatically Note to physicians 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO2). Water spray or fog.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire

Specific hazards arising from the chemical

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spectrum materials animal from the chemical In the event of fire and/or explosion do not breathe fumes. May cause sensitization in susceptible persons. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO2). Toxic gas. Nitrogen oxides (NOx).

Explosion data Sensitivity to Mechanical Impact Warning. Sensitivity to Static Discharge Warning.

Protective equipment and precautions for firefighters

ned breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective As in any fire, wear sel gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.

For emergency responders

Environmental precautions

Personal precautions

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10. STABILITY AND REACTIVITY

Use personal protection recommended in Section 8.

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Eye/face protection	Use safety glasses with side shields or chemical goggles when sawing or cutting treated or untreated wood.
Skin and body protection	Wear leather gloves. Wear long sleeve shirt, pants, and steel-toed shoes when handling treated or untreated wood.
Respiratory protection	None normally required. When sawing or cutting treated or untreated wood, wear a NIOSH approved N95 or better dust mask.
General Hygiene Considerations	When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly details be in the second seco

Physical state	Solid		
Appearance	No information available	Odor	No information available
Color	Slightly green	Odor threshold	No information available
Property	Values	Remarks • Method	_
pH	No information available		
Melting point / freezing point	No information available		
Boiling point / boiling range	No information available		
Flash point	Not applicable		
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure	No information available		
Vapor density	No information available		
Relative density	No information available		
Water solubility	No information available		
Solubility in other solvents	No information available		
Partition coefficient	No information available		
Autoignition temperature	No information available		
Decomposition temperature	No information available		
Kinematic viscosity	No information available		
Dynamic viscosity	No information available		
Explosive properties	No information available		
Dxidizing properties	No information available		
Other Information			
Softening point	No information available		
Molecular weight	No information available		
VOC Content (%)	No information available		
Density	No information available		

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ation of the US Department of Labor) OSHA (Occupational Safety and

Chronic toxicity Repeated contact may cause allergic reactions in very susceptible presons. Avoid repeated expourse. May cause advarse live effects. Eves, kidney, liver, lunga, Lymphatic System, Respiratory system, Skin, Study Abstracts, In Heundi, where our evel 4000 thores have been built annous tenterity of the Heundi Press, and the study in 1977 to determine any possible effect on the health of empiratory. Aller study in 1977 to determine any possible effect on the health of anymeters. The study concluded that exposure to CC-Arvened savdust is not associated with increased risk of total cancer, lung cancer orlymphatic cancer and shows that excess negistratory cancer motality was not observed in the campeters. Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated Target Organ Effects Other adverse effects

> A study was conducted by the University of Alabama to evaluate the teratogenicity of CCA-impregnated sawdust when exposed to rabbits and mice. Sawdust from CCA-treated wood has been shown not tocause chromosome damage or teratogenic effects Sort houses working been and been and been and been within the second source and been and bee Inguistratory, potential reality and provided due treation, there only device out-Environmental Protection Agency acceptable risk limits. Although the arsenic complex (the predominate chemical form of arsenic in CCA-treated wood is chromium III arsenate) is present on the surface of CCA-treated willify poles and in surrounding soils, the arsenic in present on the surface of CCA-treated utility poles and in surrounding solis, the arsenic in these poles is chronically bonded to the wood and is not readily absorbed in the body. This tak assessment evaluated exposures to assent: complex on the surface of CCA treated mouth contact and sile contact for a solil teredistic age 24 and and utility pole worker. The assessment results also indicate that the amount of arsenic complex potentially taken. The assessment results also indicate that the amount of arsenic complex potentially taken tools and drafting water at the one Medicated individual and adjustent solis for a child resident is approximately 8 doll less than the instake of naturally occurring inorganic arsenici in doct and drafting water at the one Medicat drafting water at and the complex one baland of forganics. And all worker is exposed to over 24 fold less arsenic complex associated with CCA-treated utility pelse, compared to instae of horganic association is drafting water.

> Carcinogenic status: IARC, the NTP, OSHA and California Proposition 65 do not consistently distinguish among assenic or chrome species builts incoganic assenic and chromium and from long tem consumption of Forekris Solution, a medical trivialent arrearce inhalations and skin contact with norganic trivialent arsenical sheep-dust; the combined inhalation of assenic triolodi (trivialent arranical), adlivid coded, and dotte particulates from one smelling in arisenic trioxide production; and occupational exposure to normaticated lifeth recarilions arisenic trioxide production; and occupational exposure to normater could have arisenic chromium. Carcinogenicity Data: IARC has classified untreated hardwood and hardwood/softwood mix wood dust as a Group I human carcinogen. The wood dust HardWood software which tread to the Coroll of the control of the magnetic first in the occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with occupational exposures to untreated wood dust. NTP has classified all untreated wood dust as a carcinogen

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document ATEmix (oral) ATEmix (dermal) ma/ka ma/ka

ATEmix (inhalation-gas) ATEmix (Innalation-gas) ATEmix (inhalation-dust/mist) ATEmix (inhalation-vapor) mg

Numerical measures of toxicity

12. ECOLOGICAL INFORMATION

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Carcinogen Developmental Female Reproductive

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

ns the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Chromic Acid (CrO3) 7738-94-5	10 lb	x	-	-
Arsenic Acid 7778-39-4	-	х	-	
Cupric Oxide 1317-38-0	-	х	-	-

CERCLA

ial, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive ntal Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Chromic Acid (CrO3) 7738-94-5	10 lb		RQ 10 lb final RQ RQ 4.54 kg final RQ
Arsenic Acid 7778-39-4	1 lb		RQ 1 lb final RQ RQ 0.454 kg final RQ

US State Regulations

California Proposition 65

Arsenic Acid - 7778-39-ead - impurity - 7439-92

Chemical Name	California Proposition 65
Wood and Wood Dust - NOT ASSIGNED	Carcinogen
Chromic Acid (CrO3) - 7738-94-5	Carcinogen
	Developmental
	Female Reproductive

11.5	State	Right-t	o-Know	Regulations	

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Water		-	х
7732-18-5			
Chromic Acid (CrO3)	х	х	х
7738-94-5			
Arsenic Acid	х	х	х
7778-39-4			
Cupric Oxide	х	-	х
1317-38-0			
Lead - impurity	х	х	х
7439-92-1			

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Very toxic to aquatic life with long lasting effects

Persistence and degradability

Bioaccumulation

Other adverse effects

Waste treatment methods

Contaminated packaging

NFPA

HMIS

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No information available

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Disposal of wastes

Study Abstracts: A technical paper published in the Forest Products Journal (September, 1974) by Levi, Huisingh and Nesbitt described a study conducted to determine if CCA wood preservative in grapevine support posts might be absorbed by the visual leaves and/or grapes. This study concluded that "... CCA preservatives are bound in wood, are not readily leached and are not

described a study conducted to determine if CCA wood preservatives in grapevice support posts might be absorbed by the vines, leaves and/or grapes. This study consulted that "...CA preservatives are bound in wood, are not readily lacehold and are not the Springhorn. Laboratoria: Environmental Sciences Division in 1983 conducted a softment exposure study using lacehale from CCA treated and untreated marine prings and exposing Ampletics adult for a period 10 days. Using lacehale from the Springhorn. Laboratoria: Environmental Sciences Division in 1983 conducted a softment exposure study using lacehale from the 10-day exposure period was the biological endpoint used to establish the effects of exposure. Results indicated that lacehate from treated plining were not present in the lauchale at concentrators which would adversally affect the survival of the organisms. In naise both structures built of CCA-treated wood pling were not present in the lauchale at concentrators which would adversally affect the survival of the organisms. In naise both structures built of CCA-treated wood pling were cut present in the lauchale at concentrators which would adversally affect the survival of the organism. In naise both structures built of CCA-treated wood pling were cut present in the lauchale of concentrators which would adversally affect the survival of the organism. In cCA. In some case, the levels of netalies were actually plice in the vegetables grown in untreated bins, and in one case the store-purchased vegetable had the highest level of arsenical-treated wood for tornato takes. Moreover, even though CCA-treated wood bas been increased usage of arsenical-treated wood of programe in thouses. Insolve the manipictal level of detection despite the increased usage of arsenical-treated wood programe in the insteal to a study funded in a treat by ha National Coasenic and Amorganisms and the impact of wood presenably the Marine Resources Division of the South Carolina Department of Natura Resources in 1986 measured the impact o

I sature preventive accuse intervised affects, and the organization of the anti-indicated fatter and the organization of the o growth of juvenile cysters over a six-week period. In some cases, metal leachates may accumulate in sediments and cysters immediately adjacent to pilings, but do not appear to become concentrated in sediments or cysters elsewhere in the same creeks.

13. DISPOSAL CONSIDERATIONS

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16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Disclaimer The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief The information province in the informations dury is and drive to done to the idea of Garman heating and the second and the se

End of Safety Data Shee

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DO NOT BURN TREATED WOOD. Do not use pressure treated chips or sawdust as much. Dispose of in accordance with local, state and federal regulations. This product is exempted as hazardous waste under any sections of the RCRA regulations as inorga site product is being utilized for its intended end use as stated in 40 CFR 261.4 (b) (9). State run hazardous waste programs may be to more stringent.

Instability 0

Physical hazards 0

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Physical and Chemical

Properties -Personal protection X

No information available

No information available

Health hazards 2 Flammability 1

Health hazards 2 Flammability 1

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with any other materials or in any process, unless specified in the text

This product contains one or more substances that are listed with the State of California as a hazardous waste

Ecotoxicity

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	emical Name	California Hazardous Waste Status	
Chromic Acid (CrO3) 7738-94-5 Cupric Oxide		Toxic Corrosive	
		Ignitable	
		Toxic	
	1317-38-0		
	14. TRANSPORT INF	ORMATION	
DOT	Not regulated		
TDG	Not regulated		
MEX	Not regulated		
ICAO (air)	Not regulated		
IATA	Not regulated		
IMDG	Not regulated		
RID	Not regulated		
ADRNot regulated			
ADN	Not regulated		
	15. REGULATORY IN	FORMATION	
International Inventories			
TSCA DSL/NDSL	Does not comply		
EINECS/ELINCS	Does not comply		
EINECS/ELINCS	Does not comply Does not comply		
IECSC			
KECL	Does not comply Does not comply		
PICCS	Does not comply Does not comply		
AICS	Does not comply		
Legend:	boot for comply		
TSCA - United States Toxic Sub DSL/NDSL - Canadian Domesti EINECS/ELINCS - European In ENCS - Japan Existing and New IECSC - China Inventory of Exist KECL - Korean Existing and Ev	ting Chemical Substances aluated Chemical Substances f Chemicals and Chemical Substances		
US Federal Regulations	-		
		on Act of 1986 (SARA). This product contains a chemical d Title 40 of the Code of Federal Regulations, Part 372	
Chemical Name		SARA 313 - Threshold Values %	
Chromic Acid (CrO3) - 7738-94	5	0.1	
Arsenic Acid (CrO3) - 7738-94 Arsenic Acid - 7778-39-4		0.1	

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