

# SAFETY DATA SHEET

Date Issued: 12/16/15

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** Primer Dispersion in Water**PRODUCT CODE:** SENTURY A-291-D**MANUFACTURER**

Sentury Reagents, Inc.  
2515 Commerce Drive  
Rock Hill, SC 29730  
USA

**Emergency Contact:** PERS

PERS Acct #: 10613

**24 HR. EMERGENCY TELEPHONE NUMBERS**

Domestic: 800-633-8253

International: 011-801-629-0667

## 2. HAZARDS IDENTIFICATION

**HAZARD DESIGNATION**

Acute Toxicity, Oral, 4  
Skin Corrosion/Irritation, 2  
Respiratory Sensitization, 1B  
Carcinogenicity, 1  
Toxic to Reproduction, 1  
Specific Target Organ Toxicity, liver, lungs, 1  
Eye Damage, Irritation 2A  
Hazardous to Aquatic Environment, long term, 3

**GHS CLASSIFICATIONS****Health**

Carcinogenicity, Category 1

**GHS LABEL****Signal Word****Danger****Hazard statement(s)**

H302: Harmful if swallowed.

H315: Causes skin irritation.

H319: Causes serious eye irritation

H332: Harmful if inhaled.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H350: May cause cancer.

H360: May damage fertility or the unborn child.

H370: Causes damage to organs.

H412: Harmful to aquatic life with long lasting effects.

**Prevention:**

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P264: Wash ... thoroughly after handling.

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P281: Use personal protective equipment as required.

**Response:**

P301+A1600: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P341: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P391: Collect spillage.

**Storage:**

P401: Store: 5-45°C (41 - 113°F)

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS
Ammonium dichromate	1.8	7789-09-5	232-143-1

### 4. FIRST AID MEASURES

**EYES:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**SKIN:** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

**INGESTION:** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

**INHALATION:** IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Not Applicable

**FLAMMABLE LIMITS:** None Expected

**AUTOIGNITION TEMPERATURE:** Not Applicable

**GENERAL HAZARD:** Material will not burn. Containers can build up pressure if exposed to heat (fire).

**EXTINGUISHING MEDIA:** Use water for extinction.

**HAZARDOUS COMBUSTION PRODUCTS:** Nitrogen oxides. Chromium oxides. Carbon dioxide and carbon monoxide may form when heated to decomposition.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb the liquid and scrub the area with detergent and water.

**LARGE SPILL:** Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters.

Recover spilled material on adsorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces have been removed thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.

**COMMENTS:** Spills and releases may have to be reported to Federal and/or local authorities.

### 7. HANDLING AND STORAGE

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**GENERAL PROCEDURES:** Wash ... thoroughly after handling.

**HANDLING:** In case of inadequate ventilation wear respiratory protection.

**STORAGE:** Store: 5 - 45°C (41 - 113°F)

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
				EXPOSURE LIMITS			
				OSHA PEL		ACGIH TLV	
Chemical Name				ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ammonium dichromate	<b>TWA</b>	[1]	0.005 mg/m <sup>3</sup> [1]		0.05 mg/m <sup>3</sup>		
<b>OSHA TABLE COMMENTS:</b>							
1. As Cr(VI)							

**ENGINEERING CONTROLS:** Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

**SKIN:** Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

**RESPIRATORY:** Avoid breathing dust/fume/gas/mist/vapours/spray.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid

**ODOR:** Low odor.

**COLOR:** Orange to brown.

**pH:** ~ 2 to 4

**PERCENT VOLATILE:** 90-95

**VAPOR PRESSURE:** Not Determined

**BOILING POINT:** 100°C

**FREEZING POINT:** 0°C

**FLASHPOINT AND METHOD:** Not Applicable

**SOLUBILITY IN WATER:** Miscible

**EVAPORATION RATE:** Not Determined

**SPECIFIC GRAVITY:** 1.000 to 1.02 @ 25°C

**VISCOSITY #1:** < 10 Centipoise at 25°C

**(VOC):** %

**10. STABILITY AND REACTIVITY**

**STABLE:** Yes

**STABILITY:** Stable under normal conditions.

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**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None Expected

## 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** Not Available

**SKIN EFFECTS:** Not Available

### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status
Ammonium dichromate	Known	Group 1

## 12. ECOLOGICAL INFORMATION

**BIOACCUMULATION/ACCUMULATION:** No substance in this product bioaccumulates to a significant degree.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** This product contains a small amount of dissolved chromium. In order to avoid discarding hexavalent chromium, waste quantities of diluted MICA A-291 should be treated with sodium metabisulfite to ensure that the chromium has been reduced to the trivalent state. Discarded material can be accumulated in a pail or drum and 1 part of sodium metabisulfite added to 10 parts of discarded material. Stir and let stand until a greenish tinge develops in the solution, usually within one or two hours or, at most, overnight. The color alone is a good indication of conversion. Neutralize with lime or other alkaline agent. Dispose of this residue in compliance with applicable local, state and federal regulations for hazardous materials

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PRIMARY HAZARD CLASS/DIVISION:** Not Regulated

### VESSEL (IMO/IMDG)

**PRIMARY HAZARD CLASS/DIVISION:** Not Regulated

### CANADA TRANSPORT OF DANGEROUS GOODS

**PRIMARY HAZARD CLASS/DIVISION:** Not Regulated

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**313 REPORTABLE INGREDIENTS:** Up to 2.0% Ammonium dichromate, CAS 7789-09-5

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**REPORTABLE SPILL QUANTITY:** 500 lbs

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA REGULATORY:** All chemicals in this product are listed on the TSCA Inventory.

### REGULATIONS

**STATE REGULATIONS:** Toxics in Packaging: Due to the presence of hexavalent chromium (less than 1%) in this product, its use in packaging and packaging components may be subject to Toxics in Packaging Laws adopted in various states. Further information on these laws is available at [HTTP://www.toxicsinpackaging.org](http://www.toxicsinpackaging.org)

**CALIFORNIA PROPOSITION 65:** This product contains a component known in the state of California to cause cancer

### CANADA

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**WHMIS CLASS:** Class D2: Toxic if swallowed.

**DOMESTIC SUBSTANCE LIST (INVENTORY):** All chemicals in this product are listed in the DSL inventory.

**EUROPEAN COMMUNITY**

**SVHC (SUBSTANCES OF VERY HIGH CONCERN)**

Chemical Name	CAS	EINECS
Ammonium dichromate	7789-09-5	232-143-1

**EEC LABEL SYMBOL AND CLASSIFICATION**



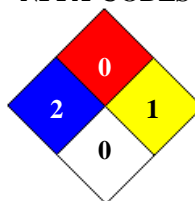
- "T" - Toxic
- R45: May cause cancer.
- R46: May cause heritable genetic damage.
- R60: May impair fertility.
- R61: May cause harm to the unborn child.
- R23: Toxic by inhalation.
- R42: May cause sensitisation by inhalation.
- R48/21: Harmful: danger of serious damage to health by prolonged exposure in contact with skin.

**16. OTHER INFORMATION**

**HMIS RATING**

<b>HEALTH</b>	*	<b>3</b>
<b>FLAMMABILITY</b>		<b>0</b>
<b>PHYSICAL HAZARD</b>		<b>1</b>
<b>PERSONAL PROTECTION</b>		<b>H</b>

**NFPA CODES**



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