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## SECTION: 1. Product and company identification

### 1.1.Product identifier

Trade name/designation : Cartridge Assy Two Stage Heavy Metals

### 1.2.Relevant identified uses of the substance or mixture and uses advised against

Recommended uses and restrictions : Filter material/medium

### 1.3.Details of the supplier of the safety data sheet

Company: : Kaz USA, Inc.  
400 Donald Lynch Blvd  
Suite 300  
Marlborough MA 01752  
Telephone: +508 490 7000  
Fax: +508 460 8056  
E-mail: rkasbekar@kaz.com

### 1.4.Emergency telephone number

Emergency telephone : 800-255-3924 US Callers or  
813-979-0626 International Callers  
CHEMTEL CONTRACT # MIS0002655

## SECTION: 2. Hazards identification

### 2.1.Classification of the substance or mixture

OSHA Regulatory Status : This material is classified as not hazardous under OSHA regulations.

### 2.2.Label elements

Signal word (GHS-US) : Not applicable  
Hazard statements (GHS-US) : Article: Not applicable  
Precautionary statements (GHS-US) : Article: Not applicable

### 2.3.Other hazards

Other hazards which do not result in classification : Article  
Substances are only released upon destruction of the system. (dust)  
Inhalation of dust may cause irritation of the respiratory system.  
Contact with dust can cause mechanical irritation or drying of the skin.

## SECTION: 3. Composition/information on ingredients

Substance name	CAS No	%
Sodium Titanium Silicate	12712-71-9	20
Activated Carbon	7440-44-0	15
Polyethylene	9002-88-4	2
Copolymer of acrylic acid with Divinylbenzene, sodium salt	009052-45-3	63

Note: The percentage by weight values reported for the ingredients in this product represent approximate formulation values.

## SECTION: 4. First aid measures

### 4.1.Description of first aid measures

Inhalation : In case of air intake:  
If inhaled, remove to fresh air.  
When in doubt or if symptoms are observed, get medical advice.

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- Skin contact : In case of skin contact  
Wash with plenty of soap and water.  
When in doubt or if symptoms are observed, get medical advice.
- Eye contact : In case of eye contact  
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.  
When in doubt or if symptoms are observed, get medical advice.
- Ingestion : In case of ingestion  
Drink 1 or 2 glasses of water.  
Get medical advice/ attention.

#### **4.2. Most important symptoms and effects, both acute and delayed**

- Inhalation : Health injuries are not known or expected under normal use. Inhalation of dust may cause irritation of the respiratory system.
- Skin contact : Health injuries are not known or expected under normal use. Contact with dust can cause mechanical irritation or drying of the skin.
- Eye contact : Health injuries are not known or expected under normal use. Dust contact with the eyes can lead to mechanical irritation.
- Symptoms/injuries after ingestion : Health injuries are not known or expected under normal use.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

no data available

### **SECTION: 5. Firefighting measures**

#### **5.1. Extinguishing media**

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Extinguishing media which shall not be used for safety reasons : Strong water jet

#### **5.2. Special hazards arising from the substance or mixture**

- Fire hazard : Combustible
- Specific hazards : Burning produces noxious and toxic fumes.  
Hazardous decomposition products:  
Smoke  
Do not allow run-off from fire-fighting to enter drains or water courses. Dispose according to legislation.

#### **5.3. Advice for firefighters**

- Advice for firefighters : Use personal protective equipment as required.  
In case of fire: Wear self-contained breathing apparatus.  
Evacuate area.

### **SECTION: 6. Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

- For non-emergency personnel : Use personal protective equipment as required.  
See also section 8  
Avoid release to the environment
- For emergency responders : Only qualified personnel equipped with suitable protective equipment may intervene.

#### **6.2. Methods and material for containment and cleaning up**

- Spill or leak statements by chemical : Use appropriate personal protection equipment (PPE).  
Carefully shovel or sweep up spilled material and place in suitable container.

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## SECTION: 7. Handling and storage

### 7.1. Precautions for safe handling

- Handling : Provide adequate information, instruction and training for operators.  
Do not open container by force.  
Use personal protective equipment as required.  
See also section 8
- Hygiene measures : Keep good industrial hygiene.  
Wash hands and face before breaks and immediately after handling of the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage : Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Keep in a cool, well-ventilated place.

## SECTION: 8. Exposure controls/personal protection

### 8.1. Exposure guidelines

Cartridge Assy Two Stage Heavy Metals		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	No data available

### 8.2. Engineering controls

- Engineering control measures : Not required under normal use.
- Environmental exposure controls : Should not be released into the environment.  
Comply with applicable environmental protection legislation.

### 8.3. Personal protective equipment (PPE)

- Respiratory protection : Not required under normal use.  
Breathing apparatus only if aerosol or dust is formed.
- Hand protection : Not required under normal use. The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves. Insulating protective gloves
- Eye protection : Not required under normal use. In case of dust production: protective goggles
- Skin and body protection : Not required under normal use.
- Thermal hazard protection : Not required under normal use.

## SECTION: 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Appearance : Article : Plastic cover with filter
- Color : No data available
- Odor : None.
- Odor threshold (ppm) : Not applicable
- pH : Not applicable
- Melting point : Not applicable
- Boiling point : Not applicable
- Flash point : Not applicable
- Evaporation rate : Not applicable
- Flammability (solid, gas) : Not applicable

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Explosion limits (LEL, UEL) : Not applicable  
Vapor pressure : Not applicable  
Relative vapor density at 20 °C : Not applicable  
Relative density : Not applicable  
Water solubility : Not applicable  
Log Pow : Not applicable  
Self ignition temperature : Not applicable  
Decomposition temperature : Not applicable  
Viscosity : Not applicable

## SECTION: 10. Stability and reactivity

### **10.1.Reactivity**

Reactivity : No data available

### **10.2.Chemical stability**

Stability : The product is stable under storage at normal ambient temperatures.

### **10.3.Possibility of hazardous reactions**

Hazardous reactions : None under normal processing.

### **10.4.Conditions to avoid**

Conditions to avoid : None under normal processing.

### **10.5.Incompatible materials**

Incompatible materials : None under normal processing.

### **10.6.Hazardous decomposition products**

Hazardous decomposition products : None known.

## SECTION: 11. Toxicological information

### **11.1.Information on toxicological effects**

Acute toxicity : Not classified

#### **Carbon (7440-44-0)**

LD50 oral rat > 10000 mg/kg

Irritation : Not classified  
pH: Not applicable

Corrosivity : Not classified  
pH: Not applicable

Sensitisation : Not classified

Repeated dose toxicity : Not classified

Carcinogenicity : Not classified

Mutagenicity : Not classified

Toxicity for reproduction : Not classified

Further information : Symptoms related to the physical, chemical and toxicological characteristics see section 4.2.

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## SECTION 12: Ecological information

### **12.1.Toxicity**

Ecotoxicity effects : Ecological injuries are not known or expected under normal use.

### **12.2.Persistence and degradability**

Persistence and degradability : No data available

### **12.3.Bioaccumulative potential**

Bioaccumulation : No data available

Log Pow : Not applicable

### **12.4.Mobility in soil**

Mobility : No data available

### **12.5.Other adverse effects**

Further information : No data available

## SECTION 13: Disposal considerations

### **13.1.Waste treatment methods**

Waste from residues / unused products : Do not allow to enter into surface water or drains.  
Dispose according to legislation.

Contaminated packaging : Dispose according to legislation.

## SECTION 14: Transport information

### **14.1. Basic shipping description**

#### **DOT**

DOT Proper Shipping Name : Not applicable

### **14.2 Additional information**

#### **IMDG**

IMDG : Not applicable

Packing group : Not applicable

#### **ICAO/IATA**

ICAO/IATA : Not applicable

Packing group : Not applicable

## SECTION: 15. Regulatory information

### **15.1. US Federal regulations**

#### **Carbon (7440-44-0)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### **SARA 311 and 312 Hazard Categories**

Immediate (Acute) Health Hazard: Yes

Delayed (Chronic) Health Hazard: No

Fire Hazard: No

Reactivity Hazard: No

Sudden Release of Pressure: No

#### **SARA Section 313 Notification**

This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title 40 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

#### **Ozone Depleting Substances (ODS)**



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### 15.2.2. National regulations

#### Carbon (7440-44-0)

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.  
Listed on the Korean ECL (Existing Chemical List) inventory.  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)

### 15.3. US State regulations

#### Carbon (7440-44-0)

U.S. - Idaho - Occupational Exposure Limits - TWAs

## SECTION: 16. Other information

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Sources of key data used to compile the Safety Data Sheet : Supplier information.

#### NFPA-code

#### HMIS III Rating

Health : 0 Minimal Hazard - No significant risk to health  
Flammability : 1 Slight Hazard  
Physical : 0 Minimal Hazard

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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