

**Safety Data Sheet**  
*acc. to OSHA HCS*

Printing date 01/23/2020

Reviewed on 01/23/2020

**1 Identification**

- **Product identifier**
- **Trade name:** Certified Reference Material- Oyster Tissue
- **Article number:** CRM-OT
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
High-Purity Standards  
7221 Investment Drive, North Charleston, SC 29418 United States  
Telephone: +1-843-767-7900  
Fax: +1-843-767-7906  
highpuritystandards.com  
Email: info@highpuritystandards.com
- **Information department:** Product safety department
- **Emergency telephone number:**  
INFOTRAC  
Emergency telephone numbers 1-800-535-5053  
Other emergency telephone numbers 1-352-323-3500

**2 Hazard(s) identification**

- **Classification of the substance or mixture**



GHS05 Corrosion

Met. Corr. 1 H290 May be corrosive to metals.  
Skin Corr. 1A H314 Causes severe skin burns and eye damage.  
Eye Dam. 1 H318 Causes serious eye damage.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labeling:**  
nitric acid
- **Hazard statements**  
H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.
- **Precautionary statements**  
Keep only in original container.

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Do not breathe dusts or mists.  
Wash thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If swallowed: Rinse mouth. Do NOT induce vomiting.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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/doctor.  
Specific treatment (see on this label).  
Wash contaminated clothing before reuse.  
Absorb spillage to prevent material damage.  
Store locked up.  
Store in corrosive resistant container with a resistant inner liner.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

7697-37-2	nitric acid	4.0%
<b>Chemical identification of the substance/preparation</b>		
7757-79-1	potassium nitrate	0.01%
12015-14-4	[2H4] ammonium chloride	0.01%
7722-76-1	Ammonium dihydrogenphosphate	0.008%
7664-93-9	sulphuric acid	0.007%
497-19-8	sodium carbonate	0.005%

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471-34-1	calcium carbonate	0.0015%
7439-95-4	magnesium	0.0012%
16919-19-0	ammonium hexafluorosilicate	0.001%
7440-66-6	zinc	0.0009%
7429-90-5	aluminium	0.0003%
7439-89-6	iron	0.0002%
7732-18-5	water, distilled, conductivity or of similar purity	95.9547%
7440-38-2	arsenic	0.00001%
513-77-9	barium carbonate	0.000005%
12124-97-9	ammonium bromide	0.00005%
7440-43-9	cadmium	0.000003%
7440-48-4	cobalt	0.0000004%
7440-47-3	chromium	0.0000007%
7440-50-8	copper	0.00006%
6156-78-1	Manganese(II) acetate tetrahydrate	0.00002%
7440-02-0	nickel	0.000001%
7439-92-1	lead	0.0000005%
7782-49-2	selenium	0.000002%

### 4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Drink copious amounts of water and provide fresh air. Immediately call a doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.

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- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralizing agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

#### · PAC-I:

7697-37-2	nitric acid	0.16 ppm
7757-79-1	potassium nitrate	9 mg/m <sup>3</sup>
7722-76-1	Ammonium dihydrogenphosphate	17 mg/m <sup>3</sup>
7664-93-9	sulphuric acid	0.20 mg/m <sup>3</sup>
497-19-8	sodium carbonate	7.6 mg/m <sup>3</sup>
471-34-1	calcium carbonate	45 mg/m <sup>3</sup>
7439-95-4	magnesium	18 mg/m <sup>3</sup>
16919-19-0	ammonium hexafluorosilicate	12 mg/m <sup>3</sup>
7440-66-6	zinc	6 mg/m <sup>3</sup>
7439-89-6	iron	3.2 mg/m <sup>3</sup>
7440-50-8	copper	3 mg/m <sup>3</sup>
12124-97-9	ammonium bromide	8.1 mg/m <sup>3</sup>
6156-78-1	Manganese(II) acetate tetrahydrate	13 mg/m <sup>3</sup>
7782-49-2	selenium	0.6 mg/m <sup>3</sup>
513-77-9	barium carbonate	2.2 mg/m <sup>3</sup>
7439-92-1	lead	0.15 mg/m <sup>3</sup>
7440-02-0	nickel	4.5 mg/m <sup>3</sup>
7440-38-2	arsenic	1.5 mg/m <sup>3</sup>
7440-43-9	cadmium	0.10 mg/m <sup>3</sup>
7440-47-3	chromium	1.5 mg/m <sup>3</sup>

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7440-48-4	cobalt	0.18 mg/m <sup>3</sup>
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**PAC-2:**

7697-37-2	nitric acid	24 ppm
7757-79-1	potassium nitrate	100 mg/m <sup>3</sup>
7722-76-1	Ammonium dihydrogenphosphate	190 mg/m <sup>3</sup>
7664-93-9	sulphuric acid	8.7 mg/m <sup>3</sup>
497-19-8	sodium carbonate	83 mg/m <sup>3</sup>
471-34-1	calcium carbonate	210 mg/m <sup>3</sup>
7439-95-4	magnesium	200 mg/m <sup>3</sup>
16919-19-0	ammonium hexafluorosilicate	130 mg/m <sup>3</sup>
7440-66-6	zinc	21 mg/m <sup>3</sup>
7439-89-6	iron	35 mg/m <sup>3</sup>
7440-50-8	copper	33 mg/m <sup>3</sup>
12124-97-9	ammonium bromide	89 mg/m <sup>3</sup>
6156-78-1	Manganese(II) acetate tetrahydrate	22 mg/m <sup>3</sup>
7782-49-2	selenium	6.6 mg/m <sup>3</sup>
513-77-9	barium carbonate	270 mg/m <sup>3</sup>
7439-92-1	lead	120 mg/m <sup>3</sup>
7440-02-0	nickel	50 mg/m <sup>3</sup>
7440-38-2	arsenic	17 mg/m <sup>3</sup>
7440-43-9	cadmium	0.76 mg/m <sup>3</sup>
7440-47-3	chromium	17 mg/m <sup>3</sup>
7440-48-4	cobalt	2 mg/m <sup>3</sup>

**PAC-3:**

7697-37-2	nitric acid	92 ppm
7757-79-1	potassium nitrate	600 mg/m <sup>3</sup>
7722-76-1	Ammonium dihydrogenphosphate	1,100 mg/m <sup>3</sup>
7664-93-9	sulphuric acid	160 mg/m <sup>3</sup>
497-19-8	sodium carbonate	500 mg/m <sup>3</sup>
471-34-1	calcium carbonate	1,300 mg/m <sup>3</sup>
7439-95-4	magnesium	1,200 mg/m <sup>3</sup>
16919-19-0	ammonium hexafluorosilicate	780 mg/m <sup>3</sup>
7440-66-6	zinc	120 mg/m <sup>3</sup>
7439-89-6	iron	150 mg/m <sup>3</sup>
7440-50-8	copper	200 mg/m <sup>3</sup>
12124-97-9	ammonium bromide	530 mg/m <sup>3</sup>
6156-78-1	Manganese(II) acetate tetrahydrate	740 mg/m <sup>3</sup>

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7782-49-2	selenium	40 mg/m <sup>3</sup>
513-77-9	barium carbonate	1,600 mg/m <sup>3</sup>
7439-92-1	lead	700 mg/m <sup>3</sup>
7440-02-0	nickel	99 mg/m <sup>3</sup>
7440-38-2	arsenic	100 mg/m <sup>3</sup>
7440-43-9	cadmium	4.7 mg/m <sup>3</sup>
7440-47-3	chromium	99 mg/m <sup>3</sup>
7440-48-4	cobalt	20 mg/m <sup>3</sup>

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

**7697-37-2 nitric acid**

PEL	Long-term value: 5 mg/m <sup>3</sup> , 2 ppm
REL	Short-term value: 10 mg/m <sup>3</sup> , 4 ppm
	Long-term value: 5 mg/m <sup>3</sup> , 2 ppm
TLV	Short-term value: 10 mg/m <sup>3</sup> , 4 ppm
	Long-term value: 5.2 mg/m <sup>3</sup> , 2 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.

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*Wash hands before breaks and at the end of work.*

*Avoid contact with the eyes.*

*Avoid contact with the eyes and skin.*

· **Breathing equipment:**

*In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.*

· **Protection of hands:**



*Protective gloves*

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

*Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.*

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

· **Material of gloves**

*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

· **Penetration time of glove material**

*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

· **Eye protection:**



*Tightly sealed goggles*

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

<b>Form:</b>	Liquid
<b>Color:</b>	colorless
<b>Odor:</b>	Characteristic
<b>Odor threshold:</b>	Not determined.

· **pH-value:** Not determined.

· **Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	100 °C (212 °F)

· **Flash point:** Not applicable.

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· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
Lower:	Not determined.
Upper:	Not determined.
· <b>Vapor pressure at 20 °C (68 °F):</b>	23 hPa (17.3 mm Hg)
· <b>Density at 20 °C (68 °F):</b>	1.02035 g/cm <sup>3</sup> (8.51482 lbs/gal)
· <b>Bulk density:</b>	1,020 kg/m <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapor density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>Solvent content:</b>	
Water:	96.0 %
VOC content:	0.00 %
	0.0 g/l / 0.00 lb/gal
Solids content:	0.0 %
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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### 11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** Strong caustic effect on skin and mucous membranes.

· **on the eye:**

Strong caustic effect.

Strong irritant with the danger of severe eye injury.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

7664-93-9	sulphuric acid	1
7782-49-2	selenium	3
7439-92-1	lead	2B
7440-02-0	nickel	2B
7440-38-2	arsenic	1
7440-43-9	cadmium	1
7440-47-3	chromium	3
7440-48-4	cobalt	2B

· **NTP (National Toxicology Program)**

7664-93-9	sulphuric acid	K
7439-92-1	lead	R
7440-02-0	nickel	R
7440-38-2	arsenic	K
7440-43-9	cadmium	K
7440-48-4	cobalt	R

· **OSHA-Ca (Occupational Safety & Health Administration)**

7440-38-2	arsenic
7440-43-9	cadmium

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### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
*Water hazard class 1 (Self-assessment): slightly hazardous for water*  
*Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*  
*Must not reach bodies of water or drainage ditch undiluted or unneutralized.*
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
*Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>DOT, ADR, IMDG, IATA</b></li> </ul>   | <p style="margin-top: 0;">UN3264</p>   |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>DOT</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG, IATA</b></li> </ul> | <p style="margin-top: 0;">Corrosive liquid, acidic, inorganic, n.o.s. (Nitric acid)</p> <p style="margin-top: 0;">3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)</p> <p style="margin-top: 0;">CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)</p> |

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**· Transport hazard class(es)**
**· DOT**


**· Class** 8 Corrosive substances  
**· Label** 8

**· ADR**


**· Class** 8 (C1) Corrosive substances  
**· Label** 8

**· IMDG, IATA**


**· Class** 8 Corrosive substances  
**· Label** 8

**· Packing group**

**· DOT, ADR, IMDG, IATA** III

**· Environmental hazards:** Not applicable.

**· Special precautions for user** Warning: Corrosive substances

**· Danger code (Kemler):** 80

**· EMS Number:** F-A,S-B

**· Segregation groups** Acids

**· Stowage Category** A

**· Stowage Code** SW2 Clear of living quarters.

**· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

**· Transport/Additional information:**
**· DOT**

**· Quantity limitations** On passenger aircraft/rail: 5 L  
On cargo aircraft only: 60 L

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· <b>ADR</b>	
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>UN "Model Regulation":</b>	UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID), 8, III

### 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

#### · Section 355 (extremely hazardous substances):

7697-37-2	nitric acid
7664-93-9	sulphuric acid

#### · Section 313 (Specific toxic chemical listings):

7697-37-2	nitric acid
7757-79-1	potassium nitrate
7664-93-9	sulphuric acid
7440-66-6	zinc
7429-90-5	aluminium
7440-50-8	copper
7782-49-2	selenium
513-77-9	barium carbonate
7439-92-1	lead
7440-02-0	nickel
7440-38-2	arsenic
7440-43-9	cadmium
7440-47-3	chromium
7440-48-4	cobalt

#### · TSCA (Toxic Substances Control Act):

7697-37-2	nitric acid	ACTIVE
7757-79-1	potassium nitrate	ACTIVE
7722-76-1	Ammonium dihydrogenphosphate	ACTIVE

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7664-93-9	sulphuric acid	ACTIVE
497-19-8	sodium carbonate	ACTIVE
471-34-1	calcium carbonate	ACTIVE
7439-95-4	magnesium	ACTIVE
16919-19-0	ammonium hexafluorosilicate	ACTIVE
7440-66-6	zinc	ACTIVE
7429-90-5	aluminium	ACTIVE
7439-89-6	iron	ACTIVE
7440-50-8	copper	ACTIVE
12124-97-9	ammonium bromide	ACTIVE
7782-49-2	selenium	ACTIVE
513-77-9	barium carbonate	ACTIVE
584-09-8	rubidium carbonate	ACTIVE
7439-92-1	lead	ACTIVE
7440-02-0	nickel	ACTIVE
7440-38-2	arsenic	ACTIVE
7440-43-9	cadmium	ACTIVE
7440-47-3	chromium	ACTIVE
7440-48-4	cobalt	ACTIVE
7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE

**· Hazardous Air Pollutants**

7439-92-1	lead
7440-48-4	cobalt

**· Proposition 65**
**· Chemicals known to cause cancer:**

7439-92-1	lead
7440-02-0	nickel
7440-38-2	arsenic
7440-43-9	cadmium
7440-48-4	cobalt

**· Chemicals known to cause reproductive toxicity for females:**

7439-92-1	lead
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**· Chemicals known to cause reproductive toxicity for males:**

7439-92-1	lead
7440-43-9	cadmium

**· Chemicals known to cause developmental toxicity:**

7439-92-1	lead
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7440-43-9 cadmium

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

7440-66-6	zinc	D, I, II
7440-50-8	copper	D
7782-49-2	selenium	D
513-77-9	barium carbonate	D, CBD(inh), NL(oral)
7439-92-1	lead	B2
7440-38-2	arsenic	A
7440-43-9	cadmium	B1
7440-47-3	chromium	D

· **TLV (Threshold Limit Value established by ACGIH)**

7664-93-9	sulphuric acid	A2
7429-90-5	aluminium	A4
513-77-9	barium carbonate	A4
7439-92-1	lead	A3
7440-02-0	nickel	A5
7440-38-2	arsenic	A1
7440-43-9	cadmium	A2
7440-47-3	chromium	A4
7440-48-4	cobalt	A3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

7440-02-0	nickel
7440-38-2	arsenic
7440-43-9	cadmium

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS05

· **Signal word** Danger

· **Hazard-determining components of labeling:**

nitric acid

· **Hazard statements**

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

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**Safety Data Sheet**  
**acc. to OSHA HCS**

Printing date 01/23/2020

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**Trade name: Certified Reference Material- Oyster Tissue**

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**· Precautionary statements***Keep only in original container.**Do not breathe dusts or mists.**Wash thoroughly after handling.**Wear protective gloves/protective clothing/eye protection/face protection.**If swallowed: Rinse mouth. Do NOT induce vomiting.**If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF INHALED: Remove person to fresh air and keep comfortable for breathing.**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/doctor.**Specific treatment (see on this label).**Wash contaminated clothing before reuse.**Absorb spillage to prevent material damage.**Store locked up.**Store in corrosive resistant container with a resistant inner liner.**Dispose of contents/container in accordance with local/regional/national/international regulations.***· Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.***16 Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**· Department issuing SDS:** *Environment protection department.***· Contact:***High-Purity Standards**Tel: 843-767-7900**Fax: 843-767-7906***· Date of preparation / last revision** 01/23/2020 / -**· Abbreviations and acronyms:***ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)**IMDG: International Maritime Code for Dangerous Goods**DOT: US Department of Transportation**IATA: International Air Transport Association**ACGIH: American Conference of Governmental Industrial Hygienists**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**NFPA: National Fire Protection Association (USA)**HMIS: Hazardous Materials Identification System (USA)**VOC: Volatile Organic Compounds (USA, EU)**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**NIOSH: National Institute for Occupational Safety**OSHA: Occupational Safety & Health**TLV: Threshold Limit Value**PEL: Permissible Exposure Limit**REL: Recommended Exposure Limit**Met. Corr.1: Corrosive to metals – Category 1*

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***Safety Data Sheet***  
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*Reviewed on 01/23/2020*

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*Skin Corr. 1A: Skin corrosion/irritation – Category 1A*  
*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

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