1. Product and Company Identification

Product Identifier

Product Name: Creatinine Reagent

Product Code: BK-472525D
(BK-472525AD contains Sodium Hydroxide, Sodium Phosphate Tribasic Dodecahydrate, Sodium Dodecyl Sulphate, and Ethylene Glycol)
(BK-472525BD contains Picric Acid)

Recommended Use: For the quantitative determination of creatinine in serum and urine.

Company
Diamond Diagnostics Inc.
333 Fiske Street
Holliston, MA 01746

Company Phone Number
508-429-0450

Email
support@diamonddiagnostics.com

Emergency Telephone No:
508-429-0450

2. Hazards Identification

GHS- Classification

Classification
Corrosive, Flammable, Irritant, Health Hazard, Toxic

Hazard Statements
H228 Flammable solid.
H290 May be corrosive to metals.
H301 + H311 Toxic if swallowed. Toxic in contact with skin.
H302 + H392 Harmful if swallowed, Harmful if inhaled.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H402 Harmful to aquatic life.
H412 Harmful to aquatic life with long-lasting effects.

Precautionary Statements
P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P234 Keep only in original container.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/…/equipment.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor/…/if you feel unwell.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352 IF ON SKIN (or hair): Wash with plenty of water.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Safety Data Sheet

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P314 Get medical advice/attention if you feel unwell.
P321 Specific treatment (see … on this label).
P330 Rinse mouth.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P361 Remove/Take off immediately all contaminated clothing.
P362 Take off contaminated clothing.
P363 Wash contaminated clothing before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant to extinguish.
P390 Absorb spillage to prevent material damage.
P403 + P233 Store in a well ventilated place. Keep container tightly closed.
P405 Store locked up.
P406 Store in corrosive resistant/… container with a resistant inner liner.
P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/Information on ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC No.</th>
<th>Reach Reg. No.</th>
<th>CAS-No.</th>
<th>Weight %</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>215-185-5</td>
<td>01-2119457892-27-XXXX</td>
<td>1310-73-2</td>
<td>&lt; 5%</td>
<td>Met. Corr. 1; Skin Corr. 1A; Eye Dam. 1; Aquatic Acute 3; H290, H314, H318, H402</td>
</tr>
<tr>
<td>Sodium Phosphate Tribasic Dodecahydrate</td>
<td>231-509-8</td>
<td>Not available</td>
<td>10101-89-0</td>
<td>&lt; 5%</td>
<td>Skin Corr. 1B; Eye Dam. 1; H314</td>
</tr>
<tr>
<td>Sodium Dodecyl Sulphate</td>
<td>205-788-1</td>
<td>Not available</td>
<td>151-21-3</td>
<td>&lt; 0.5%</td>
<td>Flam. Sol. 2; Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; Aquatic Acute 2; Aquatic Chronic 3; H228, H302 + H332, H315, H318, H335, H401, H412</td>
</tr>
<tr>
<td>Ethylene Glycol</td>
<td>203-473-3</td>
<td>01-2119456816-28-XXXX</td>
<td>107-21-1</td>
<td>&lt; 1.0%</td>
<td>Acute Tox. 4; STOT RE 2; H302, H373</td>
</tr>
<tr>
<td>Picric Acid</td>
<td>201-865-9</td>
<td>Not available</td>
<td>88-89-1</td>
<td>&lt; 3%</td>
<td>Expl. 1.1; Acute Tox. 3; Skin Sens 1; H201, H301 + H311 + H331, H317</td>
</tr>
</tbody>
</table>

4. First Aid Measures

Eye Contact
Flush affected area with copious amounts of water.

Skin Contact
Flush affected area with copious amounts of water.

Inhalation
Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical aid.

Ingestion
Rinse mouth with water, drink large quantities of water and call a physician.

Notes to Physician
Treat symptomatically

5. Fire-Fighting Measures

Flammable Properties
No information available

Flash Point
No information available

Suitable Extinguishing Media
Suitable for surrounding fire

Hazardous Combustion Products
Explosive when dry

Protective Equipment and Precautions for Firefighters
Self-contained breathing apparatus and protective clothing

Further Information
No information available
6. Accidental Release Measures

Personnel Precautions
Use personnel protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

Methods for Containment & Cleaning
Soak up non-combustible absorbent material. Rinse affected area with copious amounts of water. Dispose of in accordance with applicable federal, state, and local laws and regulations.

Environmental Precautions
Do not let product enter drains.

7. Handling and Storage

Handling
Avoid contact with skin and eyes. Avoid formation of dust aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventative fire protection. For precautions see section 2.2.

Storage
Keep container closed in a dry and well-ventilated place.

Specific use
See Section 1 – Recommended Use

8. Exposure Controls / Personnel

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide 1310-73-2</td>
<td>C; 2 mg/m3</td>
<td>TWA; 2.000000 mg/m3</td>
<td>C; 2.000000 mg/m3</td>
</tr>
<tr>
<td>Sodium Phosphate Tribasic Dodecahydrate 10101-89-0</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Sodium Dodecyl Sulphate 151-21-3</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Ethylene Glycol 107-21-1</td>
<td>C; 100.000000 mg/m3</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Picric Acid 88-89-1</td>
<td>TWA; 0.100000 mg/m3</td>
<td>TWA; 0.100000 mg/m3</td>
<td>TWA; 0.100000 mg/m3 ST; 0.300000 mg/m3</td>
</tr>
</tbody>
</table>

Engineering Measures
Showers
Eye Wash Stations
Ventilation Systems

Personnel Protective Equipment

Eye/ Face Protection
Safety goggles with side-shields

Skin Protection
Wear protective gloves/clothing

Respiratory Protection
If exposure limits are exceeded or irritation is experienced; NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required high airborne containment concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures
Complete suit protecting against chemicals, Flame resistant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Environment Exposure
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

Appearance
Clear liquid (BK-472525AD), Clear yellow liquid (BK-472525BD)

Odor
No information available

Odor Threshold
No information available

pH
1-2 (BK-472525BD)

Melting Point
No information available

Freezing Point
0°C
10. Stability and Reactivity

Reactivity
No information available

Chemical Stability
Stable

Incompatible Materials
Strong Acids, Bases, and Oxiders

Hazardous Decomposition Products
No information available

Hazardous Polymerization:
Will not occur

Conditions to avoid:
Keep away from incompatible material

Suggested Storage:
Store as recommended on product label

11. Toxicological Information

Acute Toxicity
No information available

Chronic Toxicity
Irritation of affected area.

Target Organ Effects
No information available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

12. Ecological Information

Ecotoxicity
No information available
13. Disposal Considerations

Waste Disposal Method   In accordance with applicable federal, state, and local laws and regulations.
Contaminated Packaging  In accordance with applicable federal, state, and local laws and regulations.

14. Transport Information

IATA                  Not regulated
DOR                   Not regulated

15. Regulatory Information

SARA 302 Components   No chemicals in this material are subject to 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.
Ethylene Glycol       107-21-1    2007-07-01
Picric Acid           88-89-1     2007-07-01

SARA 311/312 Hazards  Acute Health Hazard, Chronic Health Hazard

Massachusetts right to know components
Sodium Hydroxide       1310-73-2    2007-03-01
Sodium Phosphate Tribasic Dodecahydrate 10101-89-0 2007-03-01
Ethylene Glycol        107-21-1    2007-07-01
Picric Acid            88-89-1     2007-07-01

Pennsylvania right to know components
Sodium Hydroxide       1310-73-2    2007-03-01
Sodium Phosphate Tribasic Dodecahydrate 10101-89-0 2007-03-01
Sodium Dodecyl Sulphate 151-21-3 2007-03-01
Ethylene Glycol        107-21-1    2007-07-01
Picric Acid            88-89-1     2007-07-01

New Jersey right to know components
Sodium Hydroxide       1310-73-2    2007-03-01
Sodium Phosphate Tribasic Dodecahydrate 10101-89-0 2007-03-01
Sodium Dodecyl Sulphate 151-21-3 2007-03-01
Ethylene Glycol        107-21-1    2007-07-01
Picric Acid            88-89-1     2007-07-01

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Issuing Date          13-September-2012
Revision Date         30-November-2015
Revision Note         No information available
Recommended Restrictions No Restrictions

Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in text.