<table>
<thead>
<tr>
<th>Product code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>375X</td>
<td>Lyphochek® Quantitative Urine Control</td>
</tr>
</tbody>
</table>

Components:

<table>
<thead>
<tr>
<th>376</th>
<th>Lyphochek® Quantitative Urine Control (Normal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>377</td>
<td>Lyphochek® Quantitative Urine Control (Abnormal)</td>
</tr>
</tbody>
</table>
1 Identification

- **Product identifier**
- **Trade name**: Lyphochek® Quantitative Urine Control (Normal)
- **Catalog or product number**: 376
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**: SU20  Health services
- **Application of the substance / the mixture**: In-vitro laboratory reagent or component
- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier**: Bio-Rad Laboratories, Diagnostic Group
    9500 Jeronimo Road
    Irvine, California 92618-2017
    1(949) 598-1200
  - **Information department**: Technical services, customer support
  - **Emergency telephone number**: 1(800) 424-9300  Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION, or ACCIDENT.

2 Hazard(s) identification

- **Classification of the substance or mixture**
  The product is not classified according to the Globally Harmonized System (GHS).

  - **Label elements**
    - **GHS label elements**: Void
    - **Hazard pictograms**: Void
    - **Signal word**: Void
    - **Hazard statements**: Void
    - **Emergency overview**:
      - **Routes of exposure**: Ingestion, Inhalation, Skin
  - **Classification system**
  - **NFPA ratings (scale 0-4)**
    - Health = 0
    - Fire = 0
    - Reactivity = 0
  - **Special Hazards**
    - Contains human sourced and/or potentially infectious components.
    - Contains components derived from human urine.
  - **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 non-hazardous additions.
Trade name: Lyphochek® Quantitative Urine Control (Normal)

4 First-aid measures

· **Description of first aid measures**
  · **General information** No special measures required.
  · **After inhalation** Supply fresh air; consult doctor in case of complaints.
  · **After skin contact**
    Immediately wash with water and soap and rinse thoroughly.
    Generally the product does not irritate the skin.
  · **After eye contact** Rinse opened eye for several minutes under running water. Then consult a doctor.
  · **After swallowing** Rinse mouth with water. Seek medical attention and appropriate follow-up.
  · **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**
    CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  · **Special hazards arising from the substance or mixture** No further relevant information available.
  · **Advice for firefighters**
  · **Protective equipment**: No special measures required.
6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Handle as potentially infectious.
- **Environmental precautions:**
  - Keep contaminated washing water and dispose of appropriately.
  - Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
  - Absorb liquid components with liquid-binding material.
  - Pick up mechanically.
  - Clean the affected area carefully; suitable cleaners are:
    - Disinfectant
- **Reference to other sections** See Section 13 for disposal information.

7 Handling and storage

- **Handling**
  - No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage**
    - **Requirements to be met by storerooms and receptacles:** According to product specification
    - **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
  - Refer to package insert for additional information regarding storage conditions.
- **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:**
    - **57-13-6 urea**
      - WEEL (United States) Long-term value: 10 mg/m³
    - **1314-41-6 orange lead**
      - PEL (United States) Long-term value: 0.05 mg/m³ as Pb; See 29 CFR 1910.1025
      - REL (United States) Long-term value: 0.05* mg/m³ as Pb;*8-hr TWA; See Pocket Guide App. C
      - TLV (United States) Long-term value: 0.05 mg/m³ as Pb; BEI
    - **21908-53-2 mercury monoxide**
      - PEL (United States) Long-term value: 0.1 mg/m³ as Hg; see OSHA standard interpretation memo
Trade name: Lyphochek® Quantitative Urine Control (Normal)

| REL (United States) | Short-term value: C 0.1 mg/m³  
|                     | Long-term value: 0.05* mg/m³  
|                     | as Hg; *Vapor; Skin  
| TLV (United States) | Long-term value: 0.025 mg/m³  
|                     | as Hg; Skin; BEI |

### Ingredients with biological limit values:

**1314-41-6 orange lead**

BEI (United States) 30 µg/100 ml  
Medium: blood  
Time: not critical  
Parameter: Lead

**21908-53-2 mercury monoxide**

BEI (United States) 35 µg/L  
Medium: urine  
Time: prior to shift  
Parameter: Total inorganic mercury (background)

15 µg/L  
Medium: blood  
Time: end of shift at end of workweek  
Parameter: Total inorganic mercury (background)

### Additional information: The lists that were valid during the creation were used as basis.

- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
  Follow the usual biosafety practices for handling potentially infectious materials.  
  The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment**: Not required.
- **Protection of hands**: Protective gloves.
- **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.
  Synthetic gloves
- **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**: Safety glasses
- **Body protection**: Protective work clothing.

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - Form: Solid
      - Color: Light yellow
Trade name: Lyphochek® Quantitative Urine Control (Normal)

- Odor: Light
- pH-value at 20 °C: 5.5-7.0
- Change in condition
  - Melting point/Melting range: undetermined
  - Boiling point/Boiling range: undetermined
- Flash point: Not applicable
- Danger of explosion: Product does not present an explosion hazard.
- Density: Not determined
- Solubility in / Miscibility with
  - Water: Soluble
- Solvent content:
  - Organic solvents: 0.0 %
- Solids content: 100.0 %
- Other information No further relevant information available.

10 Stability and reactivity

- Reactivity
- 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

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
- LD/LC50 values for hazardous components per OSHA criteria:
  57-13-6 urea
  Oral LD50 14500 mg/kg (rat)
- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: No irritant effect.
  - Sensitization: No sensitizing effects known.
- Additional toxicological information:
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
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 (German Regulation) (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.
  - 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: Dispose of waste in accordance to applicable national, regional, or local regulations.
- **Uncleaned packagings:**
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

- **UN-Number**
  - DOT, ADR, ADN, IMDG, IATA: Void
- **UN proper shipping name**
  - DOT, ADR, ADN, IMDG, IATA: Void
### Safety Data Sheet acc. to OSHA HCS

**Trade name:** Lyphochek® Quantitative Urine Control (Normal)

- **Transport hazard class(es)**
  - ADR, ADN, IMDG, IATA
  - Class: Void

- **Packing group**
  - DOT, ADR, IMDG, IATA: Void

- **Environmental hazards:**
  - Marine pollutant: No

- **Special precautions for user**
  - Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
  - Not applicable.

- **UN "Model Regulation":**
  - -

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - SARA (Superfund Amendments and Reauthorization Act of 1986 - USA)
    - Section 302/304 (40CFR355.30 / 40CFR355.40):
      - 21908-53-2 mercury monoxide
    - Section 313 (40CFR372.65):
      - 21908-53-2 mercury monoxide

- **TSCA (Toxic Substances Control Act):**
  - 57-13-6 urea
  - Proprietary Reagent TR 2
  - 60-27-5 Creatinine
  - Proprietary Reagent KL
  - 50-99-7 glucose
  - Proprietary Reagent KW
  - 69-93-2 uric acid
  - 56-89-3 cystine
  - Proprietary Reagent SS
  - Proprietary Reagent KS
  - 51-35-4 L-4-hydroxyproline
  - 55-10-7 DL-4-hydroxy-3-methoxymandelic acid
  - 52-39-1 aldosterone
  - Proprietary Reagent RR
  - 1314-41-6 orange lead

- **California Proposition 65:**
  - Chemicals known to cause cancer:
    - 1314-41-6 orange lead

(Contd. on page 8)
Trade name: Lyphochek® Quantitative Urine Control (Normal)

- **Developmental Toxicity**
  - 21908-53-2 mercury monoxide

- **Carcinogenic categories**
  - **EPA (Environmental Protection Agency)**
    - Proprietary Reagent QQ
    - 1314-41-6 orange lead: B2
    - 21908-53-2 mercury monoxide: D
  - **TLV (Threshold Limit Value established by ACGIH)**
    - Proprietary Reagent QQ
    - 1314-41-6 orange lead: A3
    - 21908-53-2 mercury monoxide: A4
  - **MAK (German Maximum Workplace Concentration)**
    - Proprietary Reagent QQ
    - 1314-41-6 orange lead: 1
    - 21908-53-2 mercury monoxide: 2
  - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
    - Proprietary Reagent QQ
    - 1314-41-6 orange lead: 3B

- **National regulations**
  - **Water hazard class**: Water hazard class 1 (Self-assessment): slightly hazardous for water.
  - **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**: Environmental Health and Safety.
- **Contact**:
  - Life Science Group, Environmental Health and Safety, 2000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 741-1000
  - Diagnostic Group, Environmental Health and Safety, 4000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 724-7000
- **Date of preparation / last revision**: 05/26/2015 / -
- **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)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
- * Data compared to the previous version altered.
1 Identification

- **Product identifier**
  - **Trade name:** Lyphochek® Quantitative Urine Control (Abnormal)
  - **Catalog or product number:** 377

- **Relevant identified uses of the substance or mixture and uses advised against**
  - **Sector of Use:** SU20 Health services
  - **Application of the substance / the mixture:** In-vitro laboratory reagent or component

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** Bio-Rad Laboratories, Diagnostic Group
    9500 Jeronimo Road
    Irvine, California  92618-2017
  - **Emergency telephone number:** 1(949) 598-1200
  - **Information department:** Technical services, customer support
  - **Emergency telephone number:**
    1(800) 424-9300  Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION, or ACCIDENT.

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - Skin Irrit. 2  H315  Causes skin irritation.
  - Eye Irrit. 2A  H319  Causes serious eye irritation.

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

  ![GHS07]

- **Signal word** Warning
- **Hazard statements**
  - H315  Causes skin irritation.
  - H319  Causes serious eye irritation.

- **Precautionary statements**
  - **P280** Wear protective gloves/protective clothing/eye protection/face protection.
  - **P305+P351+P338** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - **P363** Wash contaminated clothing before reuse.
  - **P333+P313** If skin irritation or rash occurs: Get medical advice/attention.
  - **P337+P313** If eye irritation persists: Get medical advice/attention.
  - **P302+P352** If on skin: Wash with plenty of water.

- **Emergency overview:**
- **Routes of exposure:**
  - Ingestion
  - Inhalation
  - Skin

(Contd. on page 2)
Trade name: Lyphochek® Quantitative Urine Control (Abnormal)

- Classification system
- NFPA ratings (scale 0-4)
  Health = 1
  Fire = 0
  Reactivity = 0

- Special Hazards
  Contains human sourced and/or potentially infectious components.
  Contains components derived from human urine.

- 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 non-hazardous additions.

#### Listing of dangerous and non-hazardous components:

<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS</th>
<th>Component</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>57-13-6</td>
<td>200-315-5</td>
<td>urea</td>
<td>35-50%</td>
</tr>
<tr>
<td>7647-14-5</td>
<td>231-598-3</td>
<td>sodium chloride</td>
<td>20-35%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Proprietary Component A, inorganic salt</td>
<td>10-20%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Proprietary Reagent TR 2</td>
<td>5-10%</td>
</tr>
<tr>
<td>50-99-7</td>
<td>200-075-1</td>
<td>glucose</td>
<td>5-10%</td>
</tr>
<tr>
<td>60-27-5</td>
<td>200-466-7</td>
<td>Creatinine</td>
<td>5-10%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Human Urine</td>
<td>1.0-2.5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Proprietary Reagent TT</td>
<td>1.0-2.5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Proprietary Reagent KL</td>
<td>1.0-2.5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Proprietary Reagent VV</td>
<td>1.0-2.5%</td>
</tr>
<tr>
<td>1314-41-6</td>
<td>215-235-6</td>
<td>orange lead</td>
<td>.001-.01%</td>
</tr>
<tr>
<td>21908-53-2</td>
<td>244-654-7</td>
<td>mercury monoxide</td>
<td>.001-.01%</td>
</tr>
</tbody>
</table>

- Additional information
  Contains human sourced and/or potentially infectious components.
  Contains added constituents of animal origin.

### 4 First-aid measures

- Description of first aid measures
- General information
  No special measures required.
- After inhalation
  Supply fresh air; consult doctor in case of complaints.
- After skin contact
  Immediately wash with water and soap and rinse thoroughly.
5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents
    CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - Special hazards arising from the substance or mixture No further relevant information available.
  - Advice for firefighters
  - Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Handle as potentially infectious.
  - Environmental precautions:
    Keep contaminated washing water and dispose of appropriately.
    Do not allow to enter sewers/surface or ground water.
  - Methods and material for containment and cleaning up:
    Absorb liquid components with liquid-binding material.
    Pick up mechanically.
    Clean the affected area carefully; suitable cleaners are:
    Disinfectant
  - Reference to other sections See Section 13 for disposal information.

7 Handling and storage

- Handling
  - Precautions for safe handling No special precautions are necessary if used correctly.
  - Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage
  - Requirements to be met by storerooms and receptacles: According to product specification
  - Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
  Refer to package insert for additional information regarding storage conditions.
- 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.
**Trade name: Lyphochek® Quantitative Urine Control (Abnormal)**

### Control parameters

#### Components with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Component</th>
<th>PEL (United States)</th>
<th>REL (United States)</th>
<th>TLV (United States)</th>
</tr>
</thead>
<tbody>
<tr>
<td>57-13-6 urea</td>
<td>Long-term value: 10 mg/m³</td>
<td>Long-term value: 0.05 mg/m³ as Pb; See 29 CFR 1910.1025</td>
<td>Long-term value: 0.05 mg/m³ as Pb; BEI</td>
</tr>
<tr>
<td>1314-41-6 orange lead</td>
<td>Long-term value: 0.05 mg/m³ as Pb; 8-hr TWA; See Pocket Guide App. C</td>
<td>Long-term value: 0.05 mg/m³ as Pb; BEI</td>
<td></td>
</tr>
<tr>
<td>21908-53-2 mercury monoxide</td>
<td>Long-term value: 0.1 mg/m³ as Hg; see OSHA standard interpretation memo</td>
<td>Short-term value: C 0.1 mg/m³</td>
<td>Long-term value: 0.025 mg/m³ as Hg; Skin; BEI</td>
</tr>
</tbody>
</table>

#### Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>Component</th>
<th>BEI (United States)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1314-41-6 orange lead</td>
<td>30 µg/100 ml</td>
</tr>
<tr>
<td>21908-53-2 mercury monoxide</td>
<td>35 µg/L</td>
</tr>
</tbody>
</table>

### Additional information:

- The lists that were valid during the creation were used as basis.

### Exposure controls

#### Personal protective equipment

Follow the usual biosafety practices for handling potentially infectious materials.

#### General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed.

**Breathing equipment:** Not required.

**Protection of hands:** Protective gloves.
9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
  - **Appearance:**
    - Form: Solid
    - Color: Light yellow
  - Odor: Light
  - **pH-value at 20 °C:** 5.5-7.0
  - **Change in condition**
    - Melting point/Melting range: undetermined
    - Boiling point/Boiling range: undetermined
  - **Flash point:** Not applicable
  - **Danger of explosion:** Product does not present an explosion hazard.
  - **Density:** Not determined
  - **Solubility in / Miscibility with Water:** Soluble
  - **Solvent content:**
    - Organic solvents: 0.0 %
  - **Solids content:** 100.0 %
  - **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **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

(Contd. on page 6)
11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
    - LD/LC50 values for hazardous components per OSHA criteria:
      57-13-6 urea
        - Oral LD50 14500 mg/kg (rat)
    - Primary irritant effect:
      - on the skin: Irritant to skin and mucous membranes.
      - on the eye: Irritant effect.
    - Sensitization: No sensitizing effects known.
  - Additional toxicological information:
    - Carcinogenic categories
      - IARC (International Agency for Research on Cancer)
        Proprietary Reagent J26 2B
        Proprietary Reagent QQ 1
        1314-41-6 orange lead 2A
        21908-53-2 mercury monoxide 3
      - NTP (National Toxicology Program)
        Proprietary Reagent QQ K
        1314-41-6 orange lead R
      - OSHA-Ca (Occupational Safety & Health Administration)
        Proprietary Reagent QQ

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 (German Regulation) (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.
  - 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 Dispose of waste in accordance to applicable national, regional, or local regulations.
- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

- UN-Number
  - DOT, ADR, ADN, IMDG, IATA  Void
- UN proper shipping name
  - DOT, ADR, ADN, IMDG, IATA  Void
- Transport hazard class(es)
  - ADR, ADN, IMDG, IATA  Void
  - Class  Void
- Packing group
  - DOT, ADR, IMDG, IATA  Void
- Environmental hazards:
  - Marine pollutant:  No
- Special precautions for user
  - Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
  - Not applicable.
- UN "Model Regulation":  -

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- SARA (Superfund Amendments and Reauthorization Act of 1986 - USA)
  - Section 302/304 (40CFR355.30 / 40CFR355.40):
    - 21908-53-2 mercury monoxide
  - Section 313 (40CFR372.65):
    - 21908-53-2 mercury monoxide
- TSCA (Toxic Substances Control Act):
  - 57-13-6 urea
  - 7647-14-5 sodium chloride
  - Proprietary Reagent TR 2
  - 50-99-7 glucose
  - 60-27-5 Creatinine
<table>
<thead>
<tr>
<th>Proprietary Reagent KL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Reagent VV</td>
</tr>
<tr>
<td>Proprietary Reagent SS</td>
</tr>
<tr>
<td>Proprietary Reagent KW</td>
</tr>
<tr>
<td>51-35-4 L-4-hydroxyproline</td>
</tr>
<tr>
<td>69-93-2 uric acid</td>
</tr>
<tr>
<td>Proprietary Reagent WW</td>
</tr>
<tr>
<td>Proprietary Reagent KS</td>
</tr>
<tr>
<td>50-23-7 hydrocortisone</td>
</tr>
<tr>
<td>306-08-1 4-hydroxy-3-methoxyphenylacetic acid</td>
</tr>
</tbody>
</table>

- **California Proposition 65:**
  - **Chemicals known to cause cancer:**
    - Proprietary Reagent J26
    - 1314-41-6 orange lead

- **Developmental Toxicity**
  - 21908-53-2 mercury monoxide

- **Carcinogenic categories**
  - **EPA (Environmental Protection Agency)**
    - Proprietary Reagent QQ
      - 1314-41-6 orange lead: B2
      - 21908-53-2 mercury monoxide: D
  - **TLV (Threshold Limit Value established by ACGIH)**
    - Proprietary Reagent QQ
      - 1314-41-6 orange lead: A3
      - 21908-53-2 mercury monoxide: A4
  - **MAK (German Maximum Workplace Concentration)**
    - Proprietary Reagent QQ
      - 1314-41-6 orange lead: 2
      - 21908-53-2 mercury monoxide: 3B
  - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
    - Proprietary Reagent QQ

- **National regulations**
- **Technical instructions (air):**
  - **Class Share in %**
    | Class | Share in % |
    |-------|------------|
    | I     | 0.1-1.0    |

  - **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
  - **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:** Environmental Health and Safety.
- **Contact:**
  Life Science Group, Environmental Health and Safety, 2000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 741-1000
  Diagnostic Group, Environmental Health and Safety, 4000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 724-7000
- **Date of preparation / last revision** 05/26/2015 / -

**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)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
- Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
- *Data compared to the previous version altered.*