## Kit Components

<table>
<thead>
<tr>
<th>Product code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5000002</td>
<td>Protein Assay Kit II</td>
</tr>
<tr>
<td>5000002EDU</td>
<td></td>
</tr>
</tbody>
</table>

**Components:**

<table>
<thead>
<tr>
<th>Product code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5000007</td>
<td>Bio-Rad Protein Assay Standard II</td>
</tr>
<tr>
<td>5000006</td>
<td>Bio-Rad Protein Assay Dye Reagent Concentrate</td>
</tr>
</tbody>
</table>
1 Identification

- **Product identifier**
  - **Trade name:** Protein Assay Standard II Albumin
  - **Catalog or product number:** 5000007, 5000007EDU
  - **CAS Number:** 9048-46-8
  - **EC number:** 232-936-2

- **Application of the substance / the mixture** Laboratory chemicals

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** Bio-Rad Laboratories, Life Science Group
    2000 Alfred Nobel Drive
    Hercules, California 94547
    (510)741-1000
  - **Information department:** Technical services, customer support
    lsg_techserv_us@bio-rad.com
  - **Emergency telephone number:**
    1(800)424-9300 Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION or ACCIDENT.
    510-741-1000
  - 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 substance 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
  - **Additional information:** Contact with acids may cause release of toxic gases

- **Other hazards**
  - **Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.
    - **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** Substances
  - **CAS No. Description:**
    9048-46-8 Bovine Serum Albumin
  - **Identification number(s):**
    - **EC number:** 232-936-2
  - **Additional information:** For the wording of the listed risk phrases refer to section 15.

(Contd. on page 2)
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 Generally the product does not irritate the skin.
  - After eye contact Rinse opened eye for several minutes under running water.
  - After swallowing Induce vomiting and call for medical help.
- 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 Wear protective clothing.
- Environmental precautions: No special measures required.
- Methods and material for containment and cleaning up: Pick up mechanically.
- Reference to other sections
  - No dangerous substances are released.
  - See Section 7 for information on safe handling
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

7 Handling and storage

- Handling
- Precautions for safe handling No special measures required.
- 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: None.
- 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: Not required.
- Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
  - Personal protective equipment
    - General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed.
      - Protection of hands: Protective gloves.
      - Material of gloves: Synthetic gloves
      - Penetration time of glove material: The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
    - Eye protection: Safety glasses

9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - Form: Solid
      - Color: Whitish
      - Odor: Odorless
      - Odor threshold: Not determined.
  - pH-value: Not applicable.
- Change in condition
  - Melting point/Melting range: undetermined
  - Boiling point/Boiling range: undetermined
- Flash point: Not applicable
- Flammability (solid, gaseous): Product is not flammable.
- Ignition temperature:
  - Decomposition temperature: Not determined.
  - Auto igniting: Not determined.
  - Danger of explosion: Product does not present an explosion hazard.
- Explosion limits:
  - Lower: Not determined.
  - Upper: Not determined.
- Vapor pressure: Not applicable.
- Density at 20 °C: 1.01 g/cm³
- Relative density: Not determined.
- Vapor density: Not applicable.
- Evaporation rate: Not applicable.
Trade name: Protein Assay Standard II Albumin

- Solubility in / Miscibility with
  - Water: Fully miscible

- Partition coefficient (n-octanol/water): Not determined.

- Viscosity:
  - dynamic: Not applicable.
  - kinematic: Not applicable.
  - Organic solvents: 0.0 %

- Solids content: 100.0 %

- Other information
  - 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

**11 Toxicological information**

- Information on toxicological effects

- Acute toxicity:
  - Primary irritant effect:
    - on the skin: No irritant effect.
    - on the eye: No irritant effect.
  - Sensitization: No sensitizing effects known.

- Additional toxicological information:
  - 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.
  - The substance is not subject to classification according to the latest version of the EU lists.

- Carcinogenic categories
  - IARC (International Agency for Research on Cancer)
    - Substance is not listed.
  - NTP (National Toxicology Program)
    - Substance is not listed.
  - OSHA-Ca (Occupational Safety & Health Administration)
    - Substance is not listed.

- Target organs
  - Not applicable.
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: Generally not hazardous for water.
- 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
    Hand over to hazardous waste disposers.
    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.
    - 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)
  - DOT, 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.
- Transport/Additional information:
  - Not dangerous according to the above specifications.
42.2.4 UN "Model Regulation": Void

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):
      Substance not listed.
    - Section 313 (40CFR372.65):
      Substance is not listed.
  - TSCA (Toxic Substances Control Act):
    Substance is listed.

- Carcinogenic categories
  - EPA (Environmental Protection Agency)
    Substance is not listed.
  - TLV (Threshold Limit Value established by ACGIH)
    Substance is not listed.
  - MAK (German Maximum Workplace Concentration)
    Substance is not listed.
  - NIOSH-Ca (National Institute for Occupational Safety and Health)
    Substance is not listed.

- National regulations
  - Water hazard class: Generally not 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 04/27/2016 / -
- 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
Trade name: Protein Assay Standard II Albumin

CAS: Chemical Abstracts Service (division of the American Chemical Society)
LD50: Lethal dose, 50 percent
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
LC50: Lethal concentration, 50 percent
BEI: Biological Exposure Limit

* Data compared to the previous version altered.
1 Identification

- **Product identifier**
- **Trade name:** Bio-Rad Protein Assay Dye Reagent Concentrate
- **Catalog or product number:** 5000006, 5000006EDU, 9700067
- **Application of the substance / the mixture** Laboratory chemicals

- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
  Bio-Rad Laboratories, Life Science Group
  2000 Alfred Nobel Drive
  Hercules, California  94547
  (510)741-1000
- **Information department:**
  Technical services, customer support
  lsg_techserv_us@bio-rad.com
- **Emergency telephone number:**
  1(800)424-9300  Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION or ACCIDENT.
  510-741-1000
  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**
  Flam. Liq.  3  H226  Flammable liquid and vapor.
  Acute Tox.  4  H332  Harmful if inhaled.
  Skin Corr.  1B  H314  Causes severe skin burns and eye damage.
  Eye Dam.  1  H318  Causes serious eye damage.
  STOT SE  1  H370  Causes damage to organs.

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

\[\text{GHS02} \quad \text{GHS05} \quad \text{GHS07} \quad \text{GHS08}\]

- **Signal word** Danger

- **Hazard-determining components of labeling:**
  phosphoric acid
  methanol

- **Hazard statements**
  H226 Flammable liquid and vapor.
  H332 Harmful if inhaled.
  H314 Causes severe skin burns and eye damage.
  H370 Causes damage to organs.

- **Precautionary statements**
  P210  Keep away from heat/sparks/open flames/hot surfaces. No smoking.

(Contd. on page 2)
Trade name: Bio-Rad Protein Assay Dye Reagent Concentrate

(Contd. of page 1)

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Additional information: Contact with acids may cause release of toxic gases
- Other hazards
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

3 Composition/information on ingredients

- Description: Mixture of the substances listed below with non-hazardous additions.

<table>
<thead>
<tr>
<th>Listing of dangerous and non-hazardous components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>7664-38-2 phosphoric acid</td>
<td>Skin Corr. 1B, H314</td>
</tr>
<tr>
<td>67-56-1 methanol</td>
<td>Flam. Liq. 2, H225 Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 STOT SE 1, H370</td>
</tr>
<tr>
<td>7732-18-5 water</td>
<td></td>
</tr>
</tbody>
</table>

- Additional information For the wording of the listed risk phrases refer to section 15.

4 First-aid measures

- Description of first aid measures
  - After inhalation Supply fresh air; consult doctor in case of complaints.
  - After eye contact Rinse opened eye for several minutes under running water.
  - After swallowing Induce vomiting and call for medical help.
  - 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 Wear protective clothing.
7 Handling and storage

· Handling
  No special precautions are necessary if used correctly.

· Precautions for safe handling
  No special measures required.

· Information about protection against explosions and fires
  No special measures required.

· Conditions for safe storage, including any incompatibilities
  No further relevant information available.

· Storage
  No further relevant information available.

· 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
  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
  7664-38-2 phosphoric acid
    PEL Long-term value: 1 mg/m³
    Short-term value: 3 mg/m³
    Long-term value: 1 mg/m³
  67-56-1 methanol
    PEL Long-term value: 260 mg/m³, 200 ppm
    Short-term value: 325 mg/m³, 250 ppm
    Skin Long-term value: 260 mg/m³, 200 ppm
    Skin: BEI
    Long-term value: 262 mg/m³, 200 ppm
    Long-term value: 328 mg/m³, 250 ppm
Trade name: Bio-Rad Protein Assay Dye Reagent Concentrate

- **Ingredients with biological limit values:**
  - 67-56-1 methanol
    - BEI: 15 mg/L
      - Medium: urine
      - Time: end of shift
      - Parameter: Methanol (background, nonspecific)

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

- **Exposure controls**
  - **Personal protective equipment**
  - **General protective and hygienic measures** Wash hands before breaks and at the end of work.
  - **Breathing equipment:** Not required.
  - **Protection of hands:** Protective gloves.
  - **Material of gloves** 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

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
  - **Appearance:**
    - Form: Liquid
    - Color: Blue
  - **Odor:** Acrid
  - **Odor threshold:** Not determined.
  - **pH-value at 20 °C:** 1
  - **Change in condition**
    - Melting point/Melting range: undetermined
    - Boiling point/Boiling range: 81 °C
  - **Flash point:** 21 - 55 °C
  - **Flammability (solid, gaseous)** Not applicable.
  - **Ignition temperature:** 455 °C
  - **Decomposition temperature:** Not determined.
  - **Auto igniting:** Product is not selfigniting.
  - **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
  - **Explosion limits:**
    - Lower: 5.5 Vol %
    - Upper: 44.0 Vol %
  - **Vapor pressure at 20 °C:** 128 hPa
  - **Density at 20 °C:** 1.27857 g/cm³
Trade name: Bio-Rad Protein Assay Dye Reagent Concentrate

- Relative density: Not determined.
- Vapor density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with Water: Fully miscible
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
  - dynamic: Not determined.
  - kinematic: Not determined.
- Solvent content:
  - Organic solvents: 15.5 %
  - Water: 29.0 %
- Other information: 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

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
  - LD/LC50 values for hazardous components per OSHA criteria:
    - 67-56-1 methanol
      - Oral LD50: 5628 mg/kg (rat)
      - Dermal LD50: 20000 mg/kg (rat)
- Primary irritant effect:
  - on the skin: Strong caustic effect on skin and mucous membranes.
  - on the eye: Strong caustic effect.
  - Sensitization: No sensitizing effects known.
- Additional toxicological information:
- Carcinogenic categories
  - IARC (International Agency for Research on Cancer)
    None of the ingredients is listed.
  - NTP (National Toxicology Program)
    None of the ingredients is listed.
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.
    Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

- 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
    Hand over to hazardous waste disposers.
    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.
  - Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

- UN-Number
  - DOT, ADR, IMDG, IATA: UN2924

- UN proper shipping name
  - DOT: Flammable liquids, corrosive, n.o.s. (Methanol, Phosphoric acid solution)
  - ADR: 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (METHANOL, PHOSPHORIC ACID, SOLUTION)
  - IMDG, IATA: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (METHANOL, PHOSPHORIC ACID, SOLUTION)
### Trade name: Bio-Rad Protein Assay Dye Reagent Concentrate

#### Transport hazard class(es)

<table>
<thead>
<tr>
<th>DOT</th>
<th>Class: 3 Flammable liquids</th>
<th>Label: 3, 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td>Class: 3 Flammable liquids</td>
<td>Label: 3+8</td>
</tr>
<tr>
<td>IMDG</td>
<td>Class: 3 Flammable liquids</td>
<td>Label: 3/8</td>
</tr>
<tr>
<td>IATA</td>
<td>Class: 3 Flammable liquids</td>
<td>Label: 3 (8)</td>
</tr>
</tbody>
</table>

#### Packing group

DOT, ADR, IMDG, IATA

#### Environmental hazards:

- Marine pollutant: No

#### Special precautions for user

- Warning: Flammable liquids
- Danger code (Kemler): 338
- EMS Number: F-E,S-C
- Segregation groups: Acids
- Stowage Category: A
- Stowage Code: SW2 Clear of living quarters.

#### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

#### Transport/Additional information:

- DOT
  - Quantity limitations: Void
  - ADR
    - Excepted quantities (EQ): Code: E1
      - Maximum net quantity per inner packaging: 30 ml
      - Maximum net quantity per outer packaging: 1000 ml
    - IMDG
      - Limited quantities (LQ): 5L
      - Excepted quantities (EQ): Code: E1
        - Maximum net quantity per inner packaging: 30 ml
        - Maximum net quantity per outer packaging: 1000 ml
  - UN "Model Regulation": UN 2924 FLAMMABLE LIQUIDS, CORROSIVE, N.O.S. (METHANOL, PHOSPHORIC ACID SOLUTION), 3 (8), III, MOLTEN

(Contd. on page 8)
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):
      None of the ingredients is listed.
    - Section 313 (40CFR372.65):
      67-56-1 methanol
  - TSCA (Toxic Substances Control Act):
    All ingredients are listed.
  - California Proposition 65:
    - Developmental Toxicity
      67-56-1 methanol

- Carcinogenic categories
  - EPA (Environmental Protection Agency)
    None of the ingredients is listed.
  - TLV (Threshold Limit Value established by ACGIH)
    None of the ingredients is listed.
  - MAK (German Maximum Workplace Concentration)
    None of the ingredients is listed.
  - NIOSH-Ca (National Institute for Occupational Safety and Health)
    None of the ingredients is listed.

- National regulations
- Technical instructions (air):

<table>
<thead>
<tr>
<th>Class</th>
<th>Share in %</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>10-20</td>
</tr>
</tbody>
</table>

- 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 04/27/2016 / -
- 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)
<table>
<thead>
<tr>
<th>Acronyms</th>
<th>Definitions</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMDG</td>
<td>International Maritime Code for Dangerous Goods</td>
</tr>
<tr>
<td>DOT</td>
<td>US Department of Transportation</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>EINECS</td>
<td>European Inventory of Existing Commercial Chemical Substances</td>
</tr>
<tr>
<td>ELINCS</td>
<td>European List of Notified Chemical Substances</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service (division of the American Chemical Society)</td>
</tr>
<tr>
<td>LC50</td>
<td>Lethal concentration, 50 percent</td>
</tr>
<tr>
<td>LD50</td>
<td>Lethal dose, 50 percent</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, Bioaccumulative and Toxic</td>
</tr>
<tr>
<td>vPvB</td>
<td>very Persistent and very Bioaccumulative</td>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety &amp; Health</td>
</tr>
<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
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<td>REL</td>
<td>Recommended Exposure Limit</td>
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<tr>
<td>BEI</td>
<td>Biological Exposure Limit</td>
</tr>
<tr>
<td>Flam. Liq. 2</td>
<td>Flammable liquids, Hazard Category 2</td>
</tr>
<tr>
<td>Flam. Liq. 3</td>
<td>Flammable liquids, Hazard Category 3</td>
</tr>
<tr>
<td>Acute Tox. 3</td>
<td>Acute toxicity, Hazard Category 3</td>
</tr>
<tr>
<td>Acute Tox. 4</td>
<td>Acute toxicity, Hazard Category 4</td>
</tr>
<tr>
<td>Skin Corr. 1B</td>
<td>Skin corrosion/irritation, Hazard Category 1B</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation, Hazard Category 1</td>
</tr>
<tr>
<td>STOT SE 1</td>
<td>Specific target organ toxicity - Single exposure, Hazard Category 1</td>
</tr>
</tbody>
</table>

* Data compared to the previous version altered.