

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixtures  
Product name : Lead AA Standard, 1000 ppm  
Product code : LC16130

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : For laboratory and manufacturing use only.  
Recommended use : Laboratory chemicals  
Restrictions on use : Not for food, drug or household use

#### 1.3. Supplier

LabChem Inc  
Jackson's Pointe Commerce Park Building 1000, 1010 Jackson's Pointe Court  
Zelienople, PA 16063 - USA  
T 412-826-5230 - F 724-473-0647  
[info@labchem.com](mailto:info@labchem.com) - [www.labchem.com](http://www.labchem.com)

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 or 011-703-527-3887

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

|                                   |      |                                          |
|-----------------------------------|------|------------------------------------------|
| Corrosive to metals               | H290 | May be corrosive to metals               |
| Category 1                        |      |                                          |
| Skin corrosion/irritation         | H314 | Causes severe skin burns and eye damage  |
| Category 1B                       |      |                                          |
| Serious eye damage/eye irritation | H318 | Causes serious eye damage                |
| Category 1                        |      |                                          |
| Carcinogenicity                   | H351 | Suspected of causing cancer              |
| Category 2                        |      |                                          |
| Reproductive toxicity             | H360 | May damage fertility or the unborn child |
| Category 1A                       |      |                                          |

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) :  
H290 - May be corrosive to metals  
H314 - Causes severe skin burns and eye damage  
H351 - Suspected of causing cancer  
H360 - May damage fertility or the unborn child

Precautionary statements (GHS-US) :  
P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P234 - Keep only in original container  
P260 - Do not breathe mist, spray, vapors  
P264 - Wash exposed skin thoroughly after handling  
P280 - Wear protective gloves, eye protection  
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
P303+P361+P353 - IF ON SKIN (or hair): Remove/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 or doctor/physician  
P363 - Wash contaminated clothing before reuse

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P390 - Absorb spillage to prevent material damage  
P405 - Store locked up  
P406 - Store in corrosive resistant container with a resistant inner liner  
P501 - Dispose of contents/container to comply with local, state and federal regulations  
If inhaled: Remove person to fresh air and keep comfortable for breathing

### 2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : None.

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                 | Product identifier   | %     | GHS-US classification                                                             |
|----------------------|----------------------|-------|-----------------------------------------------------------------------------------|
| Water                | (CAS-No.) 7732-18-5  | 97.82 | Not classified                                                                    |
| Nitric Acid, 70% w/w | (CAS-No.) 7697-37-2  | 2.02  | Ox. Liq. 3, H272<br>Met. Corr. 1, H290<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318 |
| Lead (II) Nitrate    | (CAS-No.) 10099-74-8 | 0.16  | Carc. 1B, H350                                                                    |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. Suspected of causing cancer. IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : May damage fertility. May damage the unborn child. Cancer suspected agent. Causes severe skin burns and eye damage. May damage fertility or the unborn child.

Symptoms/effects after inhalation : Possible inflammation of the respiratory tract.

Symptoms/effects after skin contact : Yellow skin. Caustic burns/corrosion of the skin.

Symptoms/effects after eye contact : Causes serious eye damage.

Symptoms/effects after ingestion : Irritation of the gastric/intestinal mucosa. May cause cyanosis. Headache. Dizziness. Vomiting. Metal taste. Convulsions.

Chronic symptoms : Change in the haemogramme/blood composition. Enlargement/affection of the liver. Feeling of weakness. Nausea. Vomiting. Gastrointestinal complaints. Convulsions.

### 4.3. Immediate medical attention and special treatment, if necessary

Obtain medical assistance. Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Not flammable.

Explosion hazard : Not applicable.

Reactivity : Thermal decomposition generates : Corrosive vapors.

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### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

- Protective equipment : Gloves. Safety glasses.
- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Absorb spillage to prevent material damage.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : May be corrosive to metals.
- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mist, spray, vapors. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
- Hygiene measures : Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

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

- Technical measures : Comply with applicable regulations.
- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : incompatible materials. Keep container closed when not in use.
- Incompatible products : amines. metals. Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.
- Packaging materials : Store in a corrosion resistant container with a resistant inner liner.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Lead (II) Nitrate (10099-74-8)   |                                      |                                                                                                                               |
|----------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| ACGIH                            | ACGIH TWA (mg/m <sup>3</sup> )       | 0.05 mg/m <sup>3</sup> (Lead, inorganic compounds, as Pb; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value) |
| OSHA                             | OSHA PEL (TWA) (mg/m <sup>3</sup> )  | 0.05 mg/m <sup>3</sup>                                                                                                        |
| IDLH                             | US IDLH (mg/m <sup>3</sup> )         | 100 mg/m <sup>3</sup> as Pb                                                                                                   |
| NIOSH                            | NIOSH REL (TWA) (mg/m <sup>3</sup> ) | 0.05 mg/m <sup>3</sup>                                                                                                        |
| Nitric Acid, 70% w/w (7697-37-2) |                                      |                                                                                                                               |
| ACGIH                            | ACGIH TWA (ppm)                      | 2 ppm (Nitric acid; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)                                       |
| ACGIH                            | ACGIH STEL (ppm)                     | 4 ppm (Nitric acid; USA; Short time value; TLV - Adopted Value)                                                               |
| OSHA                             | OSHA PEL (TWA) (mg/m <sup>3</sup> )  | 5 mg/m <sup>3</sup>                                                                                                           |
| OSHA                             | OSHA PEL (TWA) (ppm)                 | 2 ppm                                                                                                                         |

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| Nitric Acid, 70% w/w (7697-37-2) |                          |          |
|----------------------------------|--------------------------|----------|
| IDLH                             | US IDLH (ppm)            | 25 ppm   |
| NIOSH                            | NIOSH REL (TWA) (mg/m³)  | 5 mg/m³  |
| NIOSH                            | NIOSH REL (TWA) (ppm)    | 2 ppm    |
| NIOSH                            | NIOSH REL (STEL) (mg/m³) | 10 mg/m³ |
| NIOSH                            | NIOSH REL (STEL) (ppm)   | 4 ppm    |
| Water (7732-18-5)                |                          |          |
| Not applicable                   |                          |          |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Chemical resistant apron. Gloves. Safety glasses. Protective clothing. Face shield.



#### Hand protection:

Wear protective gloves

#### Eye protection:

Chemical goggles or face shield

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

Respiratory protection not required in normal conditions

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

|                                             |                            |
|---------------------------------------------|----------------------------|
| Physical state                              | : Liquid                   |
| Appearance                                  | : Clear, colorless liquid. |
| Color                                       | : Colorless                |
| Odor                                        | : characteristic           |
| Odor threshold                              | : No data available        |
| pH                                          | : No data available        |
| Melting point                               | : No data available        |
| Freezing point                              | : No data available        |
| Boiling point                               | : No data available        |
| Flash point                                 | : No data available        |
| Relative evaporation rate (butyl acetate=1) | : No data available        |
| Flammability (solid, gas)                   | : Non flammable.           |
| Vapor pressure                              | : No data available        |
| Relative vapor density at 20 °C             | : 0.7                      |

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|                            |                     |
|----------------------------|---------------------|
| Relative density           | : No data available |
| Specific gravity / density | : 1 g/ml            |
| Solubility                 | : No data available |
| Log Pow                    | : No data available |
| Auto-ignition temperature  | : No data available |
| Decomposition temperature  | : No data available |
| Viscosity, kinematic       | : No data available |
| Viscosity, dynamic         | : No data available |
| Explosion limits           | : No data available |
| Explosive properties       | : Not applicable.   |
| Oxidizing properties       | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Thermal decomposition generates : Corrosive vapors.

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

amines. Strong acids. Strong bases. metals. May be corrosive to metals.

### 10.6. Hazardous decomposition products

Nitrogen oxides. Lead oxide. fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapors.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Likely routes of exposure : Skin and eye contact

Acute toxicity : Not classified

#### Lead (II) Nitrate (10099-74-8)

|               |                                                                                                                                                          |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat | 4665 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Read-across; 5610 mg/kg bodyweight; Rat; Equivalent or similar to OECD 401; Read-across) |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Water (7732-18-5)

|               |                         |
|---------------|-------------------------|
| LD50 oral rat | ≥ 90000 mg/kg           |
| ATE US (oral) | 90000 mg/kg body weight |

|                                   |                                            |
|-----------------------------------|--------------------------------------------|
| Skin corrosion/irritation         | : Causes severe skin burns and eye damage. |
| Serious eye damage/irritation     | : Causes serious eye damage.               |
| Respiratory or skin sensitization | : Not classified                           |
| Germ cell mutagenicity            | : Not classified                           |
| Carcinogenicity                   | : Suspected of causing cancer.             |

#### Lead (II) Nitrate (10099-74-8)

|            |                                      |
|------------|--------------------------------------|
| IARC group | 2A - Probably carcinogenic to humans |
|------------|--------------------------------------|

Reproductive toxicity : May damage fertility or the unborn child.

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Not classified

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|                                                     |                                                                                                                                                                     |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aspiration hazard                                   | : Not classified                                                                                                                                                    |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met.                                                                                                 |
| Symptoms/effects after inhalation                   | : Possible inflammation of the respiratory tract.                                                                                                                   |
| Symptoms/effects after skin contact                 | : Yellow skin. Caustic burns/corrosion of the skin.                                                                                                                 |
| Symptoms/effects after eye contact                  | : Causes serious eye damage.                                                                                                                                        |
| Symptoms/effects after ingestion                    | : Irritation of the gastric/intestinal mucosa. May cause cyanosis. Headache. Dizziness. Vomiting. Metal taste. Convulsions.                                         |
| Chronic symptoms                                    | : Change in the haemogramme/blood composition. Enlargement/affection of the liver. Feeling of weakness. Nausea. Vomiting. Gastrointestinal complaints. Convulsions. |

## SECTION 12: Ecological information

### 12.1. Toxicity

| Lead AA Standard, 1000 ppm       |                       |
|----------------------------------|-----------------------|
| LC50 fish 1                      | 250 mg/l              |
| Lead (II) Nitrate (10099-74-8)   |                       |
| EC50 Daphnia 1                   | 0.3 mg/l (LC50; 48 h) |
| LC50 fish 2                      | 7.48 mg/l (TLm; 96 h) |
| Threshold limit algae 1          | 0.14 mg/l (EC50)      |
| Nitric Acid, 70% w/w (7697-37-2) |                       |
| EC50 Daphnia 1                   | 180 mg/l (EC50; 48 h) |
| LC50 fish 2                      | 72 ppm (LC50; 96 h)   |
| Threshold limit algae 1          | > 19 mg/l (EC0)       |

### 12.2. Persistence and degradability

| Lead AA Standard, 1000 ppm       |                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------|
| Persistence and degradability    | Not established.                                                                        |
| Lead (II) Nitrate (10099-74-8)   |                                                                                         |
| Persistence and degradability    | Biodegradability: not applicable. Adsorbs into the soil.                                |
| Biochemical oxygen demand (BOD)  | Not applicable                                                                          |
| Chemical oxygen demand (COD)     | Not applicable                                                                          |
| ThOD                             | Not applicable                                                                          |
| Nitric Acid, 70% w/w (7697-37-2) |                                                                                         |
| Persistence and degradability    | Biodegradability: not applicable. No test data on mobility of the components available. |
| Biochemical oxygen demand (BOD)  | Not applicable                                                                          |
| Chemical oxygen demand (COD)     | Not applicable                                                                          |
| ThOD                             | Not applicable                                                                          |
| Water (7732-18-5)                |                                                                                         |
| Persistence and degradability    | Not established.                                                                        |

### 12.3. Bioaccumulative potential

| Lead AA Standard, 1000 ppm       |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Bioaccumulative potential        | Bioaccumable. Not established.                                               |
| Lead (II) Nitrate (10099-74-8)   |                                                                              |
| Bioaccumulative potential        | Bioaccumable.                                                                |
| Nitric Acid, 70% w/w (7697-37-2) |                                                                              |
| BCF fish 1                       | <= 1 (BCF)                                                                   |
| Log Pow                          | -2.3 (OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method) |
| Bioaccumulative potential        | Bioaccumulation: not applicable.                                             |
| Water (7732-18-5)                |                                                                              |
| Bioaccumulative potential        | Not established.                                                             |

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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on the global warming : No known effects from this product.  
GWPmix comment : No known effects from this product.  
Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN3264 Corrosive liquid, acidic, inorganic, n.o.s. (Nitric Acid), 8, II

UN-No.(DOT) : UN3264

Proper Shipping Name (DOT) : Corrosive liquid, acidic, inorganic, n.o.s.  
Nitric Acid

Transport hazard class(es) (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136

Packing group (DOT) : II - Medium Danger

Hazard labels (DOT) : 8 - Corrosive



DOT Packaging Non Bulk (49 CFR 173.xxx) : 202

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Symbols : G - Identifies PSN requiring a technical name

DOT Special Provisions (49 CFR 172.102) : B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized.

IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.

T11 - 6 178.274(d)(2) Normal..... 178.275(d)(3)

TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.

TP27 - A portable tank having a minimum test pressure of 4 bar (400 kPa) may be used provided the calculated test pressure is 4 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx) : 154

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 1 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 30 L

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|                             |                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOT Vessel Stowage Location | : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded. |
| DOT Vessel Stowage Other    | : 40 - Stow "clear of living quarters"                                                                                                                                                                                                                                                                                                                                                                |
| Other information           | : No supplementary information available.                                                                                                                                                                                                                                                                                                                                                             |

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### Lead AA Standard, 1000 ppm

|                                     |                                 |
|-------------------------------------|---------------------------------|
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |
|-------------------------------------|---------------------------------|

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

|                      |                   |       |
|----------------------|-------------------|-------|
| Nitric Acid, 70% w/w | CAS-No. 7697-37-2 | 2.02% |
|----------------------|-------------------|-------|

##### Lead (II) Nitrate (10099-74-8)

|                                                              |                                                    |
|--------------------------------------------------------------|----------------------------------------------------|
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 10 lb                                              |
| SARA Section 311/312 Hazard Classes                          | Immediate (acute) health hazard<br>Reactive hazard |

##### Nitric Acid, 70% w/w (7697-37-2)

|                                                              |                                 |
|--------------------------------------------------------------|---------------------------------|
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 1000 lb                         |
| SARA Section 302 Threshold Planning Quantity (TPQ)           | 1000 lb                         |
| SARA Section 311/312 Hazard Classes                          | Immediate (acute) health hazard |

#### 15.2. International regulations

##### CANADA

##### Lead (II) Nitrate (10099-74-8)

Listed on the Canadian DSL (Domestic Substances List)

##### EU-Regulations

No additional information available

##### National regulations

##### Lead (II) Nitrate (10099-74-8)

Listed on the Canadian IDL (Ingredient Disclosure List)

#### 15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

##### Lead (II) Nitrate (10099-74-8)

|                                                       |                                                             |                                                                     |                                                                   |                                  |
|-------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes                                                   | No                                                          | No                                                                  | No                                                                |                                  |

### SECTION 16: Other information

Revision date : 11/07/2017

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Other information : None.

Full text of H-phrases: see section 16:

|      |                                          |
|------|------------------------------------------|
| H272 | May intensify fire; oxidizer             |
| H290 | May be corrosive to metals               |
| H314 | Causes severe skin burns and eye damage  |
| H318 | Causes serious eye damage                |
| H350 | May cause cancer                         |
| H351 | Suspected of causing cancer              |
| H360 | May damage fertility or the unborn child |

NFPA health hazard

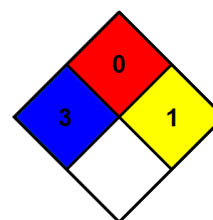
: 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

NFPA fire hazard

: 0 - Materials that will not burn under typical dire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity

: 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.



Hazard Rating

Health

: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

Flammability

: 0 Minimal Hazard - Materials that will not burn

Physical

: 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

Personal protection

: C

C - Safety glasses, Gloves, Synthetic apron

SDS US LabChem

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