Conforms to ANSI Z400.5-2004 Standard (United States, Canada).

GEN-PROBE

# Material Safety Data Sheet

## Auto Detect 1

## 1 . Product and company identification

**Product name** : Auto Detect 1

**Used in** : APTIMA Auto Detect Kit 301048, PACE 2 Detection Reagent Kit 201791

**Material uses** : In vitro diagnostic.

**Supplier/Manufacturer** : Gen-Probe Incorporated
10210 Genetic Center Drive
San Diego, CA 92121-4362

**MSDS #** : 0044

**In case of emergency** : CHEMTREC, U.S. : 1-800-424-9300 International: +1-703-527-3887

## 2. Hazards identification

**Physical state** : Liquid. [Clear.]

**Odor** : Odorless.

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

**Emergency overview** : NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.

**Potential acute health effects**

**Inhalation** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

**Skin** : No known significant effects or critical hazards.

**Eyes** : No known significant effects or critical hazards.

**Potential chronic health effects**

**Chronic effects** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

**Inhalation** : No specific data.

**Ingestion** : No specific data.

**Skin** : No specific data.

**Eyes** : No specific data.

**Medical conditions aggravated by over-exposure** : None known.

**See toxicological information (section 11)**

## 3 . Composition/information on ingredients

| Name | CAS number | % |
|---|---|---|
| No hazardous ingredient. | | |

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

## 4. First aid measures

**Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.

**Skin contact** : Wash with soap and water. Get medical attention if symptoms occur.

**Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.

**Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

**Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5. Fire-fighting measures

**Flammability of the product** : No specific fire or explosion hazard.

**Extinguishing media**

**Suitable** : Use an extinguishing agent suitable for the surrounding fire.

**Not suitable** : None known.

**Hazardous thermal decomposition products** : No specific data.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

**Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see section 8).

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods for cleaning up**

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## 6. Accidental release measures

**Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. Handling and storage

**Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

**Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

**Consult local authorities for acceptable exposure limits.**

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Engineering measures** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protection**

**Respiratory** : Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

**Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 8. Exposure controls/personal protection

**Personal protective equipment (Pictograms)** :

## 9. Physical and chemical properties

**Physical state** : Liquid. [Clear.]

**Color** : Colorless.

**Odor** : Odorless.

**pH** : 3

## 10. Stability and reactivity

**Chemical stability** : The product is stable.

**Conditions to avoid** : No specific data.

**Materials to avoid** : No specific data.

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

## 11. Toxicological information

**Acute toxicity**

**Inhalation** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

**Skin** : No known significant effects or critical hazards.

**Eyes** : No known significant effects or critical hazards.

## 12. Ecological information

**Ecotoxicity** : No known significant effects or critical hazards.

**Other adverse effects** : No known significant effects or critical hazards.

## 13. Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Disposal should be in accordance with applicable regional, national and local laws and regulations.**

**Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.**

## 14. Transport information

**AERG** : Not applicable.

**Regulatory information**

**DOT/ TDG / IMDG/ IATA** : Not regulated.

## 15. Regulatory information

**United States**

**HCS Classification** : Not regulated.

**U.S. Federal regulations** : **United States inventory (TSCA 8b):** All components are listed or exempted.

**SARA 302/304/311/312 extremely hazardous substances**: No products were found.
**SARA 302/304 emergency planning and notification**: No products were found.
**SARA 302/304/311/312 hazardous chemicals**: No products were found.
**SARA 311/312 MSDS distribution - chemical inventory - hazard identification**: No products were found.

**Clean Water Act (CWA) 307**: No products were found.

**Clean Water Act (CWA) 311**: Nitric acid

**Clean Air Act (CAA) 112 accidental release prevention**: Nitric acid

**Clean Air Act (CAA) 112 regulated flammable substances**: No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances**: Nitric acid

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

**State regulations** : **Connecticut Carcinogen Reporting:** None of the components are listed.
**Connecticut Hazardous Material Survey:** None of the components are listed.
**Florida substances:** None of the components are listed.
**Illinois Chemical Safety Act:** None of the components are listed.
**Illinois Toxic Substances Disclosure to Employee Act:** None of the components are listed.
**Louisiana Reporting:** None of the components are listed.
**Louisiana Spill:** None of the components are listed.
**Massachusetts Spill:** None of the components are listed.
**Massachusetts Substances:** None of the components are listed.
**Michigan Critical Material:** None of the components are listed.
**Minnesota Hazardous Substances:** None of the components are listed.
**New Jersey Hazardous Substances:** None of the components are listed.
**New Jersey Spill:** None of the components are listed.
**New Jersey Toxic Catastrophe Prevention Act:** None of the components are listed.
**New York Acutely Hazardous Substances:** None of the components are listed.
**New York Toxic Chemical Release Reporting:** None of the components are listed.
**Pennsylvania RTK Hazardous Substances:** None of the components are listed.
**Rhode Island Hazardous Substances:** None of the components are listed.

**California Prop. 65**

**California prop. 65:** No products were found.

## 15. Regulatory information

**Canada**

**WHMIS (Canada)** : Not controlled under WHMIS (Canada).

**Canadian lists** : **CEPA Toxic substances:** None of the components are listed.
**Canadian ARET:** None of the components are listed.
**Canadian NPRI:** None of the components are listed.
**Alberta Designated Substances:** None of the components are listed.
**Ontario Designated Substances:** None of the components are listed.
**Quebec Designated Substances:** None of the components are listed.

**Canada inventory** : **Canada inventory:** All components listed.

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.**

**International regulations**

**International lists** : **Australia inventory (AICS):** All components are listed or exempted.
**China inventory (IECSC):** All components are listed or exempted.
**Japan inventory:** All components are listed or exempted.
**Korea inventory:** All components are listed or exempted.
**New Zealand Inventory of Chemicals (NZIoC):** All components are listed or exempted.
**Philippines inventory (PICCS):** All components are listed or exempted.

**Chemical Weapons Convention List Schedule I Chemicals** : Not listed

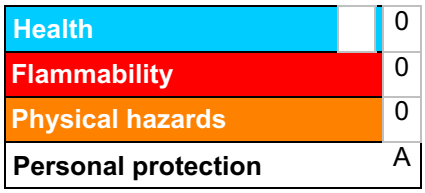
**Chemical Weapons Convention List Schedule II Chemicals** : Not listed

**Chemical Weapons Convention List Schedule III Chemicals** : Not listed

## 16. Other information

**Label requirements** : NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

**Hazardous Material Information System (U.S.A.)** :




**The customer is responsible for determining the PPE code for this material.**

**National Fire Protection Association (U.S.A.)** :


**Date of issue** : 06/15/2009
**Date of previous issue** : 09/01/2008
**Version** : 3

# 16. Other information

**Notice to reader**

**To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**

Conforms to ANSI Z400.5-2004 Standard (United States, Canada).

GEN-PROBE

# Material Safety Data Sheet

## Auto Detect 2

## 1 . Product and company identification

**Product name** : Auto Detect 2

**Used in** : APTIMA Auto Detect Kit 301048, PACE 2 Detection Reagent Kit 201791

**Material uses** : In vitro diagnostic.

**Supplier/Manufacturer** : Gen-Probe Incorporated
10210 Genetic Center Drive
San Diego, CA 92121-4362

**MSDS #** : 0045

**In case of emergency** : CHEMTREC, U.S. : 1-800-424-9300 International: +1-703-527-3887

## 2. Hazards identification

**Physical state** : Liquid. [Clear.]

**Odor** : Odorless.

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Emergency overview** : DANGER!

CAUSES SEVERE RESPIRATORY TRACT BURNS. CAUSES EYE AND SKIN BURNS.

Severely corrosive to the respiratory system. Corrosive to eyes and skin. Causes burns. Do not breathe vapor or mist. Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.

**Potential acute health effects**

**Inhalation** : Severely corrosive to the respiratory system.

**Ingestion** : May cause burns to mouth, throat and stomach.

**Skin** : Corrosive to the skin. Causes burns.

**Eyes** : Corrosive to eyes. Causes burns.

**Potential chronic health effects**

**Chronic effects** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

**Target organs** : Contains material which may cause damage to the following organs: lungs, upper respiratory tract, skin, eyes.

**Over-exposure signs/symptoms**

**Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing

**Ingestion** : Adverse symptoms may include the following:
stomach pains

**Skin** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur

## 2. Hazards identification

**Eyes** : Adverse symptoms may include the following:
pain
watering
redness

**Medical conditions aggravated by over-exposure** : None known.

**See toxicological information (section 11)**

## 3 . Composition/information on ingredients

**United States**

| Name | CAS number | % |
|---|---|---|
| Sodium hydroxide | 1310-73-2 | 5 - 10 |

**Canada**

| Name | CAS number | % |
|---|---|---|
| Sodium hydroxide | 1310-73-2 | 5 - 10 |

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

## 4. First aid measures

**Eye contact** : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention immediately.

**Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Get medical attention immediately.

**Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5. Fire-fighting measures

**Flammability of the product** : No specific fire or explosion hazard.

**Extinguishing media**

**Suitable** : Use an extinguishing agent suitable for the surrounding fire.

**Not suitable** : None known.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

**Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods for cleaning up**

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. Handling and storage

**Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

**United States**

| Ingredient | Exposure limits |
|---|---|
| | |

# 8. Exposure controls/personal protection

| | |
|---|---|
| Sodium hydroxide | **ACGIH TLV (United States, 1/2008).**<br>CEIL: 2 mg/m³<br>**NIOSH REL (United States, 6/2008).**<br>CEIL: 2 mg/m³<br>**OSHA PEL (United States, 11/2006).**<br>TWA: 2 mg/m³ 8 hour(s). |

**Canada**

| Occupational exposure limits | | TWA (8 hours) | | | STEL (15 mins) | | | Ceiling | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ingredient | List name | ppm | mg/m³ | Other | ppm | mg/m³ | Other | ppm | mg/m³ | Other | Notations |
| Sodium hydroxide | US ACGIH 1/2008 | - | - | - | - | - | - | - | 2 | - | |
| | AB 6/2008 | - | - | - | - | - | - | - | 2 | - | |
| | BC 6/2008 | - | - | - | - | 2 | - | - | - | - | |
| | ON 6/2008 | - | - | - | - | - | - | - | 2 | - | |
| | QC 6/2008 | - | - | - | - | 2 | - | - | - | - | |

**Consult local authorities for acceptable exposure limits.**

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Engineering measures** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protection**

**Respiratory** : Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

**Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Personal protective equipment (Pictograms)** :

## 9. Physical and chemical properties

**Physical state** : Liquid. [Clear.]

**Color** : Colorless.

**Odor** : Odorless.

**pH** : 14

## 10. Stability and reactivity

**Chemical stability** : The product is stable.

**Conditions to avoid** : No specific data.

**Materials to avoid** : Reactive or incompatible with the following materials:
acids

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

## 11. Toxicological information

**Acute toxicity**

**Inhalation** : Severely corrosive to the respiratory system.

**Ingestion** : May cause burns to mouth, throat and stomach.

**Skin** : Corrosive to the skin. Causes burns.

**Eyes** : Corrosive to eyes. Causes burns.

## 12. Ecological information

**Ecotoxicity** : No known significant effects or critical hazards.

**Aquatic ecotoxicity**

| Product/ingredient name | Species | Exposure | Result |
|---|---|---|---|
| Sodium hydroxide | Daphnia | 48 hours | Acute EC50 40.38 to 47.13 mg/L |
| | Crustaceans | 48 hours | Acute LC50 33000 to 100000 ug/L |
| | Fish | 96 hours | Acute LC50 125000 ug/L |

**Other adverse effects** : No known significant effects or critical hazards.

## 13. Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Disposal should be in accordance with applicable regional, national and local laws and regulations.**

**Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.**

## 14. Transport information

**AERG** : 154

| Regulatory information | UN number | Proper shipping name | Classes | PG* | Label | Additional information |
|---|---|---|---|---|---|---|
| **DOT Classification** | UN1824 | SODIUM HYDROXIDE SOLUTION | 8 | II |   | - |
| **TDG Classification** | UN1824 | SODIUM HYDROXIDE SOLUTION | 8 | II |   | - |
| **IMDG Class** | UN1824 | SODIUM HYDROXIDE SOLUTION | 8 | II |   | - |
| **IATA-DGR Class** | UN1824 | SODIUM HYDROXIDE SOLUTION | 8 | II |   | - |

PG* : Packing group

## 15. Regulatory information

**United States**

**HCS Classification** : Corrosive material

**U.S. Federal regulations** : **United States inventory (TSCA 8b):** All components are listed or exempted.

**SARA 302/304/311/312 extremely hazardous substances**: No products were found.
**SARA 302/304 emergency planning and notification**: No products were found.
**SARA 302/304/311/312 hazardous chemicals**: Sodium hydroxide
**SARA 311/312 MSDS distribution - chemical inventory - hazard identification**: Sodium hydroxide: Immediate (acute) health hazard

**Clean Water Act (CWA) 307**: No products were found.

**Clean Water Act (CWA) 311**: Sodium hydroxide

**Clean Air Act (CAA) 112 accidental release prevention**: No products were found.

**Clean Air Act (CAA) 112 regulated flammable substances**: No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances**: No products were found.

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

# 15. Regulatory information

**State regulations** : **Connecticut Carcinogen Reporting:** None of the components are listed.
**Connecticut Hazardous Material Survey:** None of the components are listed.
**Florida substances:** None of the components are listed.
**Illinois Chemical Safety Act:** None of the components are listed.
**Illinois Toxic Substances Disclosure to Employee Act:** None of the components are listed.
**Louisiana Reporting:** None of the components are listed.
**Louisiana Spill:** None of the components are listed.
**Massachusetts Spill:** None of the components are listed.
**Massachusetts Substances:** The following components are listed: Sodium hydroxide
**Michigan Critical Material:** None of the components are listed.
**Minnesota Hazardous Substances:** None of the components are listed.
**New Jersey Hazardous Substances:** The following components are listed: Sodium hydroxide
**New Jersey Spill:** None of the components are listed.
**New Jersey Toxic Catastrophe Prevention Act:** None of the components are listed.
**New York Acutely Hazardous Substances:** The following components are listed: Sodium hydroxide
**New York Toxic Chemical Release Reporting:** None of the components are listed.
**Pennsylvania RTK Hazardous Substances:** The following components are listed: Sodium hydroxide
**Rhode Island Hazardous Substances:** None of the components are listed.

**California Prop. 65**

**California prop. 65:** No products were found.

**Canada**

**WHMIS (Canada)** : Class E: Corrosive material

**Canadian lists** : **CEPA Toxic substances:** None of the components are listed.
**Canadian ARET:** None of the components are listed.
**Canadian NPRI:** None of the components are listed.
**Alberta Designated Substances:** None of the components are listed.
**Ontario Designated Substances:** None of the components are listed.
**Quebec Designated Substances:** None of the components are listed.

**Canada inventory** : **Canada inventory:** All components listed.

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.**

**International regulations**

**International lists** : **Australia inventory (AICS):** All components are listed or exempted.
**China inventory (IECSC):** All components are listed or exempted.
**Japan inventory:** All components are listed or exempted.
**Korea inventory:** All components are listed or exempted.
**New Zealand Inventory of Chemicals (NZIoC):** All components are listed or exempted.
**Philippines inventory (PICCS):** All components are listed or exempted.

**Chemical Weapons Convention List Schedule I Chemicals** : Not listed

**Chemical Weapons Convention List Schedule II Chemicals** : Not listed

## 15. Regulatory information

**Chemical Weapons Convention List Schedule III Chemicals** : Not listed

## 16. Other information

**Label requirements** : CAUSES SEVERE RESPIRATORY TRACT BURNS. CAUSES EYE AND SKIN BURNS.

**Hazardous Material Information System (U.S.A.)** :

| | |
|---|---|
| Health | 3 |
| Flammability | 0 |
| Physical hazards | 0 |
| Personal protection | C |

**The customer is responsible for determining the PPE code for this material.**

**National Fire Protection Association (U.S.A.)** :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**Notice to reader**

**To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**