# MS-9120

## Safety Data Sheet

## SECTION 1: IDENTIFICATION

**Product Name:** **MS-9120**
**SDS Number:** 260311-01
**Product Description:** Water Treatment Chemical
**Revision Date:** 03/11/2026
**Product Use:** Water Treatment
**Company:** Apex Water + Process
12270 43rd Street NE
St. Michael MN 55376
**Website:** www.TeamApex.com
**Contact:** Non-Emergency 1-844-603-4077
**Emergency Response:** **For Hazardous Materials Incident, Spill, Leak, Fire, Exposure, or Accident Call: CHEMTREC at (800) 424-9300 CCN 1018609**

## SECTION 2: HAZARD IDENTIFICATION

**Hazard Classification:**
1-4 (1 most severe)
Skin Corrosion, Category 1A
Eye Damage, Category 1
Acute Aquatic Toxicity, Category 3
Met. Corrosion, Category 1

**Signal Word(s):** **DANGER**
**Pictograms:**

**Hazard Statements:**
May be corrosive to metals.
Causes severe skin burns and eye damage.
Causes serious eye damage.
Harmful to aquatic life.

**Precautionary Statements**

**Prevention:** Read SDS and label before use. Always wear appropriate PPE. Wash affected body parts thoroughly after handling. Do not eat, drink, or smoke when using this product. Keep out of reach of children. Do not breathe mist/spray. Avoid release to the environment.

**Response:** IF SWALLOWED: Do not induce vomiting. Rinse mouth with water; IF ON SKIN OR HAIR: Wash with plenty of water; IF IN THE EYES: 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. Get medical advice/attention if you feel unwell; IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention.

**Storage:** Store in corrosive resistant container with a resistant inner liner. Store locked up.

**Disposal:** Dispose of contents and container in accordance with federal, state, and local regulations.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| CAS # | CHEMICAL NAME | % WT. |
|---|---|---|
| 1310-73-2 | Sodium hydroxide | 17 – 25 |

*Confidential business information has been removed without affecting the overall safety information on the safety data sheet.*

## SECTION 4: FIRST AID MEASURES

**Eyes:** Flush eyes with a large amount of water for 15 minutes. Seek medical attention if any irritation persists. After first aid, get appropriate in-plant, paramedic or community medical support.

**Skin Contact:** Wash affected areas thoroughly with soap and water for at least 15 minutes. Seek medical attention if any irritation persists. After first aid, get appropriate in-plant, paramedic or community medical support.

**Ingestion:** If swallowed, give 2 glasses of water to drink. DO NOT induce vomiting. After first aid, IMMEDIATELY seek appropriate in-plant, paramedic, or community medical support. Never give anything by mouth to an unconscious person.

**Inhalation:** Remove to fresh air and treat symptomatically. Provide oxygen if breathing is difficult. Give artificial respiration if the victim is not breathing. Seek prompt medical attention.

**Note to Physician:** Treat symptomatically and supportively.

## SECTION 5: FIREFIGHTING MEASURES

**Suitable Extinguishing Agents:**
Alcohol Foam
Carbon Dioxide (CO2)
Dry Chemical
Water Mist

**Specific Hazards During Firefighting:**
Burning produces irritant fumes.
Exposure to decomposition products may be a hazard to health.
Cool closed containers exposed to fire with water spray.
Do not allow run-off from firefighting to enter drains or water courses.

**Specific Extinguishing Methods:**
User extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations

**Specific PPE for Firefighters:** In the event of fire, wear a self-contained breathing apparatus. Use personal protective equipment. Exposure to decomposition products may be a hazard to health.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Spill Response:** Use personal protective equipment. Ensure adequate ventilation. Material can create slippery conditions. Use non-slip safety shoes in areas where spills or leaks can occur. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Do not allow contact with soil, surface or ground water. Do not allow uncontrolled discharge of product into the environment. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel. Pick up and transfer to properly labelled containers. Clean contaminated floors and objects thoroughly with observing environmental regulations.

**Spill Notification:** Determine if federal, state, and/or local release notification is required.

## SECTION 7: HANDLING AND STORAGE

**Advice on Safe Handling:** Wear personal protective equipment.
Handle with care.
Take care to avoid waste and spillage when weighing, loading and mixing the product.

**Conditions for Safe Storage:** No smoking.
Keep in properly labelled containers.
Observe label precautions.
Keep containers tightly closed in a dry, cool and well-ventilated place.

**Materials to Avoid:** Do not freeze.
Keep away from food and drink.
Keep away from tobacco products.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters:** For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL) or OSHA (PEL).

| COMPONENT | TYPE | VALUE/NOTATION |
|---|---|---|
| Sodium hydroxide | PEL<br>TLV<br>REL<br>IDLH | 2 mg/m³<br>2 mg/m³<br>2 mg/m³<br>10 mg/m³ |

**Engineering Controls:** Provide local exhaust ventilation as needed to control misting. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

**Personal Protective Equipment:**

| | |
|---|---|
| **Body Protection:** | Chemically resistant materials and fabrics.<br>Wear chemically protective boots, aprons and gauntlets to prevent prolonged or repeated skin contact. |
| **Hand Protection:** | Wear chemically resistant protective gloves. |
| **Eye Protection:** | Wear protective eyeglasses or chemical safety splash goggles, per OSHA eye-and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses. |
| **Respiratory Protection:** | Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA.NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessel or storage tanks), wear and SCBA. Warning! Air-purifying respirators do not protect worker in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning and convenient sanitary storage areas. |
| **Environmental Exposure Controls:** | Do not allow the product to be released into the environment. |
| **Consumer Exposure Controls:** | Do not eat, drink or smoke during use. |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance:** | Clear, colorless liquid |
| **Odor:** | No odor |
| **Odor Threshold:** | No data available |
| **pH:** | 13 – 14 |
| **Melting Point/Freezing Point:** | No data available |
| **Boiling Point/Range:** | No data available |
| **Flash Point:** | No data available |
| **Evaporation Rate:** | No data available |
| **Flammability (solid, gas):** | No data available |
| **Upper/Lower Explosion Limit:** | No data available |
| **Vapor Pressure:** | No data available |
| **Vapor Density:** | No data available |
| **Relative Density:** | 1.22 |
| **Water Solubility:** | 100% |
| **Partition Coefficient: n-octanol/water:** | No data available |
| **Auto-ignition Temperature:** | No data available |
| **Decomposition Temperature:** | No data available |
| **Viscosity:** | No data available |

**NOTE:** The physical data presented above are typical values and should not be construed as a specification.

## SECTION 10: STABILITY AND REACTIVITY

| | |
|---|---|
| **Reactivity:** | No data available |
| **Chemical Stability:** | Product is stable under normal storage and use conditions. |
| **Possibility of Hazardous Reactions:** | Stable under recommended storage conditions.<br>Products will not undergo polymerization. |
| **Conditions to Avoid:** | Avoid extreme temperatures. Keep container closed when not in use. |
| **Incompatible Materials:** | Strong acids, leather, wool, aluminum, zinc, tin and alloys, oxidizers or any type of reactive material. |
| **Hazardous Decomposition Products:** | None under normal storage and use conditions. Additional information, see Section 5. |

## SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|---|---|
| **Acute Toxicity:** | N data available |
| **Skin:** | Irritation to skin and potentially corrosive over linger term exposure. |
| **Eye:** | Corrosive to eyes. Potentially permanent damage. |
| **Respiratory:** | Might produce irritation to respiratory system. |
| **Germ Cell Mutagenicity:** | No data available |
| **Carcinogenicity:** | No components list as a carcinogen. |
| **Reproductive Toxicity:** | No data available |
| **STOT (Single):** | No data available |
| **STOT (Repeated):** | No data available |
| **Aspiration Hazard:** | No data available |

## SECTION 12: ECOLOGICAL INFORMATION

| | |
|---|---|
| **Aquatic Toxicity:** | Whole Product<br>LC50 – Gambusia affinis (Mosquito fish) – 625 mg/l – 96 h<br>EC50 – Ceriodaphnia (water flea) – 202 mg/l – 48 h<br><br>Component - Sodium Hydroxide (1310-73-2)<br>LC50 – Gambusia affinis (Mosquito fish) – 125 mg/l – 96 h<br>Remarks: (ECOTOX Database)<br>EC50 – Ceriodaphnia (water flea) – 40.4 mg/l – 48 h<br>Remarks: (ECHA) |
| **Persistency & Degradability:** | No data available |
| **Bioaccumulative Potential:** | Does not accumulate |
| **Mobility in Soil:** | No data available |
| **Other Adverse Effects:** | No data available |

## SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal Methods:** Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

**Disposal Considerations:** Dispose of as unused product
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not reuse empty containers.
Dispose of in accordance with local, state, and federal regulations.

## SECTION 14: TRANSPORT INFORMATION

**UN Number:** UN1824
**Description of the Goods:** Sodium hydroxide solution, Class 8, PG II
**Class:** 8
**Packing Group:** II
**Environmental Hazards:** N/A

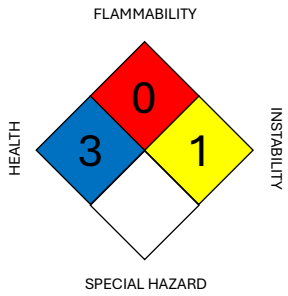
DOT Transportation data (49 CFR 172.101)

## SECTION 15: REGULATORY INFORMATION

**TSCA Inventory Status:** All ingredients are listed as active on the TSCA inventory
**DSCL (EEC):** All ingredients are listed as active on the DSCL inventory
**California Proposition 65:** Not Listed
**SARA 302:** Not applicable
**SARA 304:** Not Listed
**SARA 311:** Acute Health Hazard
**SARA 312:** Acute Health Hazard
**SARA 311/312:** Listed: Tier II RQ-10,000 lbs.
**CERCLA:** Listed: Sodium hydroxide RQ-1000 lbs.

## SECTION 16: OTHER INFORMATION

**NFPA :**




**HMIS III:**
0 = Minimal
1 = Slight
2 = Moderate
3 = Serious
4 = Severe
* = Chronic

| | |
|---|---|
| **HEALTH** | **3** |
| **FLAMMABILITY** | **0** |

**Disclaimer:**
This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

| PHYSICAL HAZARD | 1 |
| --- | --- |