

**Section 1: IDENTIFICATION**

**PRODUCT NAME** Electro-Wet  
**ADDITIONAL NAME** Wetting Agent  
**RECOMMENDED USE** Agricultural. Cleaning lines and roots.  
**CAS#** NA-mixture  
**DATE OF REVISION** 02/02/2022

**COMPANY** Ninurta, Inc.  
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**Section 2: HAZARD IDENTIFICATION**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

**Classification**

Not classified under GHS-US

**Section 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>CAS Number</b>	<b>EINECS Number</b>	<b>Percent Range</b>
Aqueous Sodium Hydroxide	1310-73-2	215-185-5	Proprietary*

\*Specific percentages of composition are being withheld as a trade secret.

**Section 4: FIRST AID MEASURES**

**Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not apply any medicated agents except on the advice from a physician. Seek medical attention/advice if symptoms persist.

**Skin Contact:** Wash off immediately with plenty of water for at least 15 minutes. Wash with soap and water. Wash contaminated clothing before reuse. Do not apply any medicated agents except on the advice from a physician.

**Ingestion:** Do not induce vomiting without medical advice. Drink 2-3 large glasses of water. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

**Inhalation:** If symptoms develop, move to fresh air area. If symptoms persist, contact a medical professional.

**Most Important Symptoms/Effects, Acute and Delayed:** Contact with eyes or skin may cause irritation. Ingestion may cause nausea, vomiting and abdominal pain.

**Indication of Immediate Medical Attention and Special Treatment Needed:** *Notes to Physician:* Treat symptomatically.

**Section 5: FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:** Dry powder. Foam. Carbon dioxide (CO<sub>2</sub>). Water. Water mist.

**Unsuitable Extinguishing Media:** Not determined.

**Specific Hazards Arising from Chemical:** None known.

**Special Protective Actions for Fire-Fighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Prevent human exposure to fire, fumes, smoke, and products of combustion. Evacuate non-essential personnel.

*This product is non-flammable. See Section 9 for Physical Properties.*

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment, and Emergency Procedures:** No special protective equipment required.

**Environmental Precautions:** Do not allow spills to enter waterway.

**Methods and Materials for Containment and Clean Up:** Stop leak and move containers from spill area. Dilute with water and mop up. Alternatively, absorb with an inert dry material and place in an appropriate waste disposal container. *See section 13 for more information.*

**Section 7: HANDLING AND STORAGE**

**Precautions for Safe Handling:** Wear suitable personal protective equipment as outlined in Section 8. Refrain from eating, drinking, or smoking in locations where this substance is managed, stored, or processed. Prior to consuming food, beverages, or smoking, employees must cleanse their hands and face. Handle in accordance with good industrial hygiene and safety practice. Additional details on hygiene practices can be found in Section 8.

**Conditions for Safe Storage including Incompatibilities:** Keep containers tightly closed in a dry, cool place. Store in original container, at room temperature, away from direct sunlight and heat. Do not allow to freeze. Incompatible with reducing agents. 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.

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines:**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Hydroxide, 1310-73-2	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use/handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or dusts (total/respirable) below the applicable workplace exposure limits indicated above.

**Individual Protection Measures / Personal Protective Equipment (PPE)**

Eye Contact: Use approved eye protection to avoid eye contact.

Respiratory: Not required under normal conditions of use. Use suitable respiratory protective device when high concentrations are present, may be advisable for spills.

Skin/Body Protection: Chemical resistant, impermeable gloves. Use of an impervious apron may be recommended.

General Hygiene Considerations: Avoid contact with eyes, skin, and clothing. When using, do not eat, drink, chew gum, or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Clear Liquid	<b>Specific Gravity</b>	1.0
<b>Autoignition</b>	Not determined	<b>Relative Density</b>	1.00 g/mL
<b>Temperature</b>	Not determined	<b>Viscosity</b>	Not determined
<b>Physical State</b>	Liquid	<b>pH</b>	11.5-12.5
<b>Odor</b>	None	<b>Partition Coefficient:</b>	Not determined
<b>Odor Threshold</b>	Not determined	<b>Solubility in Water</b>	(water)complete
<b>Melting/Freezing Point</b>	Approximately -0.1°C	<b>% Volatiles</b>	Not determined
<b>Boiling Point/ Range</b>	Approximately 101°C	<b>Evaporation Rate</b>	Not determined
<b>Flash Point</b>	Not determined	<b>Vapor Pressure</b>	Not determined
<b>Decomposition Temperature:</b>	Not determined	<b>Vapor Density</b>	Not determined

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

**Section 10: STABILITY AND REACTIVITY**

**Reactivity:** Product is stable and non-reactive under normal conditions of use, storage, and transport.

**Chemical Stability:** Material is stable under normal and recommended storage conditions. Use within expiration.

**Possibility of Hazardous Reactions:** No dangerous reaction known under normal conditions of storage and use.

**Conditions to Avoid:** Avoid excessive heat, direct sunlight, and freezing temperatures.

**Incompatible Materials:** Do not mix with strong acids.

**Hazardous Decomposition Products:** Sodium oxide.

**Section 11: TOXICOLOGICAL INFORMATION**

<b>Likely Routes of Exposure:</b>	Inhalation -	No known effect
	Skin Contact -	May cause skin irritation
	Eye Contact -	Causes eye irritation.
	Ingestion -	May cause nausea, gastrointestinal irritation, and/or abdominal pain.

**Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:** See Section 4 for Symptoms.

**Delayed and Immediate Effects and/or Chronic Effects from Short-and-Long Term Exposure:** Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.

**Numerical Measures of Toxicity:**

<u>Component Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Inhalation LC50</u>
Sodium Hydroxide, 1310-73-2	>1.57 mg/kg (human)		

*Data was obtained through public online database*

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** This product is not classified as hazardous to the environment.

**Aquatic:** Volume of ingredients used does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labelling of Chemicals.

**Section 13: DISPOSAL CONSIDERATIONS**

**Unused or Used Liquid:** The material, as supplied is not a hazardous waste according to Federal regulations (40 CFR 261). The material could become hazardous waste if it is mixed with or otherwise comes in contact with hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Empty Containers:** May be offered for recycling.

**Section 14: TRANSPORT INFORMATION**

<b>U.N. Number:</b>	Not applicable.
<b>Transport Hazard Class(es):</b>	Not applicable, safe to air ship.
<b>Packing Group:</b>	Not applicable.
<b>Environmental Hazards</b>	Not applicable.
<b>U.S. (DOT) / Canadian TDG:</b>	Not regulated for shipping.
<b>IMO / IMDG:</b>	Not classified as hazardous.
<b>U.N. Proper Shipping Name:</b>	Not applicable.
<b>Special Precautions:</b>	Not applicable.
<b>ICAO / IATA:</b>	Not classified as hazardous.
<b>ADR / RID:</b>	Not classified as hazardous.

**Section 15: REGULATORY INFORMATION**

**All components are listed on:** TSCA and DSL Inventory.

**SARA Title III:****Sections 311/312 Hazard Categories**

Acute Health: Yes      Chronic Health: No      Fire Hazard: No      Sudden Release of Pressure Hazard: No  
Reactive Hazard: No

**Sections 313 Superfunds Amendments and Reauthorizations Act of 1986**

This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**Clean Air Act (CAA):** Not applicable

**Clean Water Act (CWA):** This product does not contain any substances regulated as pollutants pursuant to the CWA.

**California Proposition 65:** This product does not contain any Proposition 65 chemicals.

**CERCLA:** This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to release of this material.

**Section 16: OTHER INFORMATION****NFPA:**

Health – None                                      Stability – Stable  
Flammability – Non-flammable              Special – None

**Acronyms**

NTP National Toxicology Program                                      IARC International Agency for Research on Cancer  
OSHA Occupational Safety and Health Administration              DSL Domestic Substances List  
TSCA Toxic Substances Control Act

**Disclaimer and Limitation of Liability:** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials nor in any process, unless specified in the test.

For additional information, call us at 1-844-646-8782 or visit [www.ninurta.ag](http://www.ninurta.ag).

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