

## SECTION I - IDENTIFICATION



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**Product Number** AD6950  
**Product Name** Adena 6950  
**Chemical Family** Water Treatment Compound, Liquid  
**CAS Number** Multiple  
**Date Prepared** 11/17/2015  
**Revision Number** 11/17/2015  
**Recommended Use** Corrosion Inhibitor

## SECTION II - HAZARDOUS IDENTIFICATION

### GHS CLASSIFICATION:

#### Classification

Corrosive to Metals	Category 1
Acute Toxicity, Oral	Category 4
Acute Toxicity, Dermal	Category 4
Skin Corrosion/Irritation	Category 1A, B, C
Sensitization, Skin	Category 1
Serious Eye Damage/Eye Irritation	Category 1
Acute Toxicity, Inhalation	Category 4
Hazardous to the aquatic environment, acute hazard	Category 3

### DANGER!

#### GHS LABEL:



#### Hazard Statements

H290	May be corrosive to metals
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H332	Harmful if inhaled

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H402 Harmful to aquatic life

### **Precautionary Statements**

P234	Keep only in original packaging
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+352	IF ON SKIN: Wash with plenty of water/...
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water or shower.
p304+340	IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTER or a doctor/physician if you feel unwell.
P321	Specific treatment (see ... on this label).
P330	Rinse mouth.
P333+313	If skin irritation or a rash occurs: Get medical advice/attention.
P362+364	Take off immediately all contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before reuse.
p390	Absorb spillage to prevent material damage.
P405	Store locked up.
P406	Store in a corrosive resistant/... container with a resistant inner liner.
P501	Dispose of contents/container to...

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### SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
Demineralized water	7732-18-5	Balance	Not Established	Not Established
Fatty acid derived nonionic surfactant	Proprietary	7-10	Not Established	Not Established
Acetic acid	64-19-7	2-4	10 ppm	15 ppm

### SECTION IV - FIRST AID MEASURES

**Contact with eyes:** In case of contact with substance, immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist. If the physician is not immediately available, eye irrigation should be continued for an additional 15 minutes. If it is necessary to transport the patient to a physician and the eye needs to be bandaged, use a dry sterile cloth pad and cover both

**Skin contact:** Itching or burning of the skin. Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Get medical attention if irritation persists. Wash contaminated clothing before reuse.

**Inhalation:** Nasal irritation, headache, dizziness, breathing difficulty, cyanosis, tremors, weakness, red flushing of face, irritability. Remove exposed person from source of exposure to fresh air. If not breathing, clear airway and start cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.

**Ingestion:** Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### SECTION V - FIREFIGHTING MEASURES

**Suitable Extinguishing Media:** As appropriate for the surrounding fire.

**Special Fire Fighting Procedures** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

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

**Unusual Fire Fighting Hazards:** None known.

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### SECTION VI - 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.
- For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".
- 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). Water polluting material. May be harmful to the environment if released in large quantities.
- 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. Alternatively; if water-insoluble, 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.

### SECTION VII - HANDLING AND STORAGE

- Handling and Storage:**
- Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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. 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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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- 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. Store locked up. 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.
- Satisfactory Materials of Construction: Polypropylene Teflon Buna-N rubber EPDM rubber Neoprene Polyethylene - low density Polyethylene - high density Polyethylene - crosslink Silicone rubber Aluminum 5052 H34 Stainless steels 304 and 316 Butyl rubber Fiberglass Reinforced Polyester PVC - rigid ABS (Plastic) Morton test liner (108 T 44LV) 6/6 Nylon Dow Sillastic Tube NOTE: With respect to all other materials not listed above, user should be aware that use of such materials with this product may be hazardous and result in damages to such materials and other property and personal injuries. No data concerning such materials not listed above should be implied by the user.

### SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

#### EXPOSURE LIMITS:

Component Name	CAS #	OSHA PEL	ACGIH TLV
Demineralized water	7732-18-5	Not Established	Not Established
Fatty acid derived nonionic surfactant	Proprietary	Not Established	Not Established
Acetic acid	64-19-7	10 ppm	15 ppm

**Engineering Controls:** 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.

**Monitoring:** 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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Personal Protective Equipment (PPE)

**Eye Protection:** 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, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

**Skin Protection:** 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are

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still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. 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. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory Protection:** Use the proper respirator in areas where the chemical exposure is unknown or above the OSHA PEL or ACGIH TLV.

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, yellow liquid
Odor	Mild vinegar
pH@25°C	2.5-4.0
Melting/Freezing Point	Not available.
Flashpoint	> 200°F
Specific Gravity	1.02
Solubility	Disperses
Auto-Ignition Temperature	Not available.
Decomposition Temperature	Not available.
VOC Content	~80% (water)
Odor Threshold	Not available.
Boiling Range	100°C @ 760 mm Hg
Evaporation Point	Not available.
Flammable Limits - Upper	Not available.
Flammable Limits - Lower	Not available.
Vapor Pressure	Not available.
Vapor Density (Air=1)	Not available.
Viscosity	20-40 cP @ 25°C

### SECTION X - STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** Contact with incompatible materials.

**Hazardous Decomposition/Byproducts:** Thermal decomposition may yield oxides of carbon.  
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Hazardous Polymerization:** Will not occur.

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**Polymerization Conditions to Avoid:** None

**Incompatibilities:** Strong acids and oxidizers

### SECTION XI - TOXICOLOGICAL INFORMATION

**Likely Route of Exposure:** Routes of entry anticipated: Oral, Dermal, Inhalation

**Inhalation:** May cause severe irritation with possible lung damage (pulmonary edema).

**Eye Contact:** Adverse symptoms may include the following: pain watering redness

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

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

**Acute Toxicity Value:** Oral LD50 (Rat) = >5000 mg/kg Dermal LD50 (Rabbit) = >5000 mg/kg  
Inhalation LC50 (Rat) = No data available

**Chronic (Long Term) Effects:** Not available.

#### Toxicity:

Component Name	LD50	LC50
Demineralized water	Not Established	Not Established
Fatty acid derived nonionic surfactant	LD50 Oral (Rat) >5000 mg/kg, Dermal (Rabbit) 7200 mg/kg	Not Established
Acetic acid	Oral - rat - 3,310 mg/kg; Dermal - rabbit - 1,060 µl/kg;	Inhalation - mouse - 1H/5,620 ppm

**Reproductive Effects** Not Applicable

**Teratogenicity** Not Applicable

**Mutagenicity** Not Applicable

**Embryotoxicity** Not Applicable

**Sensitization to Product** Not Applicable

**Synergistic Products** Not Applicable

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**Carcinogenicity**

Not Applicable

### SECTION XII - ECOLOGICAL INFORMATION

**Ecotoxicity:** BLUEGILL: 5 MG/L, LC50, 96 HR FATHEAD MINNOW: 5 MG/L, LC50, 96 HR  
CERIODAPHNIA MAGNA: 0.3 MG/L, LC50, 48 HR

**Mobility:** SLIGHT

**Degradability:** BIODEGRADATION: BIODEGRADABLE

**BioAccumulation:** Information not available.

### SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### SECTION XIV - TRANSPORT INFORMATION

#### DOT SHIPPING INFORMATION

**Proper Shipping Name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

**Contains:** ACETIC ACID

**Hazard Class and Label:** 8

**Identification Number:** UN3265

**Packaging Group:** III

**Other Shipping Info:** SPECIAL PRECAUTIONS FOR USER: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not established.

### SECTION XV - REGULATORY INFORMATION

**TSCA STATUS:**..... The components of this product are listed on the TSCA Inventory

**SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:**

No chemicals in this material are subject to the reporting requirements.



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## SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute	Chronic	Fire	Pressure	Reactive
X				

## SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

No chemicals in this material are subject to the reporting requirements.

## CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

Component Name	CAS #	% by wt.	RQ (lbs.)
Acetic acid	64-19-7	2-4	5,000

## CALIFORNIA PROPOSITION 65:

This product contains less than 0.1% of a chemical known to the State of California to cause cancer. Dimethylnitrosoamine 0.000004131%

## SECTION XVI - OTHER INFORMATION

HMIS Health:.....3

HMIS Flammability: .....0

HMIS Reactivity:.....0

### Additional:

Disclaimer: The information contained herein is accurate to the best of our knowledge. No warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.  
U.S. Federal regulations Clean Water Act (CWA) 307: dimethylnitrosoamine  
Clean Water Act (CWA) 311: acetic acid : United States inventory (TSCA 8b): All components are listed or exempted.