

INDUSTRIAL HYGIENE, TOXICOLOGY, AND MATERIAL SAFETY DATA SHEET

The information provided is believed to be correct, but does not purport to be all inclusive and should be used only as a guide. This form complies with the MSDS regulations detailed in CRR 1910.1200.

Trade Name and Synonyms

Brine Solution

Emergency Telephone Number

Yazaki Energy Systems, Inc.
701 East Plano Parkway, Suite 305
Plano, TX 75074
(469) 469-5443

Chemical Name and/or Family or Description

Alkali Salt

WARNING STATEMENT:

WARNING! MAY IRRITATE EYES AND SKIN.

<u>Chemical / Common Name</u>	<u>COMPOSITION</u>		
	<u>CAS No.</u>	<u>Exposure Limit</u>	<u>Range in %</u>
Alkali Salts	7550-35-8		
	7447-41-8	None established	40-60

CHEMICAL AND PHYSICAL PROPERTIES

Boiling point (°C): 133
Melting point (°C): Not applicable
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Hazardous Polymerizations: Does not polymerize
Incompatibility: None

FIRE PROTECTION INFORMATION

Auto Ignition Temp. °F.: Not applicable
Flash Point °F. (Method): Not applicable
Explosion Levels (%): Not applicable

Products Evolved When Subjected to Heat or combustion: None.
The product is non-combustible.

Recommended Fire Extinguishing Agents and Special Procedures:
Any suitable for fire in the surrounding area.

Unusual or Explosive Hazards: None

PRECAUTIONS

WARNING! MAY IRRITATE EYES AND SKIN.

Requirements for Transportation, Handling, and Storage: Keep container closed.

DOT Proper Shipping Name: Not regulated.

DOT Hazard Class: Not applicable.

OCCUPATIONAL CONTROL PROCEDURES

Protective Equipment (Type)

Eyes: Chemical safety glasses or goggles.

Skin: Rubble gloves. Safety shower and eye bath must be accessible.

Inhalation: NIOSH/MSHA approved respirator must be worn if adequate ventilation is not available.

Permissible Concentrations

Air: None established.

EMERGENCY AND FIRST AID PRICEDURES

First Aid

Eyes: Immediately flush thoroughly with copious amounts of water for at least fifteen minutes. If irritation occurs and persists obtain medical attention.

Skin: Wash exposed areas with soap and copious amounts of water. If irritation occurs and persists, obtain medical attention.

Ingestion: Drink plenty of water and induce vomiting, by touching back of throat with finger, or if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person. Call a physician.

Inhalation: Remove to fresh air. If discomfort occurs and persists, obtain medical attention.

Other Instructions: Product is not indicated to be carcinogenic. For oral overexposure, low toxicity is anticipated, except with voluntary overexposure. In such cases, standard protocols for overdoses are suggested.

PHYSIOLOGICAL EFFECTS

Effects of Exposure

ACUTE EXPOSURE

Irritation to eyes, skin, nose and throat. Inhalation or ingestion can cause nausea, diarrhea, drowsiness, muscular weakness, lack of coordination, skin eruptions or rashes.

CHRONIC

See acute exposure.

Sensitization Properties

Skin: May irritate.

Respiratory: May irritate.

Median Lethal Dose (LD₅₀ LC₅₀) (Species)

Oral: 526 mg / kg (rat)

Inhalation: Not determined.

Other: Not determined.

ENVIRONMENTAL PROTECTION

Waste Disposal Method: Dispose of waste according to federal EPA, state and local regulations.

Procedures in Case of Breakage or Leakage: Collect in a suitable container.

Remarks: Waste Classification - This product does not contain any toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.
