

Safety Data Sheet

Solution 7210C

SECTION I - IDENTIFICATION



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Product Number 7210C
Product Name Solution 7210C
Chemical Family Boiler Water Treatment Product
CAS Number Multiple
Date Prepared 7/22/2015
Revision Number
Recommended Use Industrial Use Only

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Corrosive to Metals

Category 1

Skin Corrosion/Irritation

Category 3

Sensitization, Respiratory

Category 1

DANGER!

GHS LABEL:



Hazard Statements

H290 May be corrosive to metals

H316 Causes mild skin irritation

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

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Precautionary Statements

P234	Keep only in original packaging
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P284	Wear respiratory protection.
P304+340	IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
P332+313	If skin irritation occurs: get medical advice/attention.
P342+311	If experiencing respiratory symptoms Call a POISON CENTER or doctor/physician.
p390	Absorb spillage to prevent material damage.
P406	Store in a corrosive resistant/... container with a resistant inner liner.
P501	Dispose of contents/container to...

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
Sodium Hydroxide	1310-73-2	< 10%	2 mg/m ³ , Ceiling	2 mg/m ³ , Ceiling
Diethylethanolamine	100-37-8	< 5%	TWA 10 ppm	TWA 2 ppm

SECTION IV - FIRST AID MEASURES

Contact with eyes: Flush with water for 15 minutes. Seek immediate medical attention.

Skin contact: Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek immediate medical attention.

Inhalation: Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.

Ingestion: If swallowed. Do not induce vomiting. Seek immediate medical attention. Give large quantities of water. Never give anything by mouth to an unconscious person.

SECTION V - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water fog, foam, CO₂, dry chemical.

Special Fire Fighting Procedures Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

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Unusual Fire Fighting Hazards:

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate all unprotected personnel from the area.

Environmental Precautions: Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers or waterways. Notify proper authorities.

Methods for Cleaning Up: Take up with absorbent material and place in containers for later disposal.

SECTION VII - HANDLING AND STORAGE

- Handling and Storage:**
- Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling.
 - Store out of direct sunlight and in a cool, well-ventilated area.
 - Aluminum equipment should not be used in the storage and/or transfer. Contact with aluminum parts in a pressurizable fluid system may cause violent reactions.
 - Wash thoroughly after handling.
 - Avoid contact with eyes.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:

Component Name	CAS #	OSHA PEL	ACGIH TLV
Sodium Hydroxide	1310-73-2	2 mg/m ³ , Ceiling	2 mg/m ³ , Ceiling
Diethylethanolamine	100-37-8	TWA 10 ppm	TWA 2 ppm

Engineering Controls: Adequate local or mechanical to reduce vapor or mist to below the PEL or TLV.

Monitoring: Wash hands prior to eating, drinking or using the restroom.
Have eye wash stations and safety showers readily available.
Any clothing or shoes which became contaminated with the product should be removed immediately and thoroughly laundered before wearing again.
Follow accepted work practices for handling a corrosive material.

Personal Protective Equipment (PPE)

Eye Protection: Goggles or approved OSHA device with side shields; do not wear contact lenses when handling this product.

Skin Protection: Impervious solvent resistant gloves. Impervious apron and work boots recommend where splashing may occur.

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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	Dark Brown Liquid
Odor	Slight Odor
pH@25°C	> 13
Melting/Freezing Point	<32°F Freezing
Flashpoint	N/A
Specific Gravity	1.24
Solubility	Complete
Auto-Ignition Temperature	None
Decomposition Temperature	N/A
VOC Content	N/A
Odor Threshold	N/A
Boiling Range	212°F
Evaporation Point	N/A
Flammable Limits - Upper	N/A
Flammable Limits - Lower	N/A
Vapor Pressure	N/A
Vapor Density (Air=1)	N/A
Viscosity	N/A

SECTION X - STABILITY AND REACTIVITY

Stability: Stable, under normal conditions of storage and handling.

Conditions to Avoid: Strong oxidizing agents
Acids.
Keep from freezing.

Hazardous Decomposition/Byproducts: None known

Hazardous Polymerization: Will not occur.

Polymerization Conditions to Avoid: None

Incompatibilities: Strong acids and oxidizers
Certain metals such as aluminum.

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SECTION XI - TOXICOLOGICAL INFORMATION

Likely Route of Exposure: Contact and inhalation; ingestion possible.

Inhalation: Breathing spray or mists can be harmful.
Can cause damage to nasal and respiratory passages.

Eye Contact: Causes eye irritation including stinging, watering and redness which may result in corneal injury.
Prolonged contact can result in chemical burns and permanent tissue damage.

Skin Contact: Contact may cause mild skin irritation including redness, burning and drying/cracking of the skin.
Repeated contact can lead to skin sensitization.

Ingestion: Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia and edema.
May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Toxicity:

Component Name	LD50	LC50
Sodium Hydroxide	Not Established	Not Established
Diethylethanolamine	1.113 g kg	924 ppm

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Information not available.

Mobility: Information not available.

Degradability: Information not available.

BioAccumulation: Information not available.

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Observe and follow all federal, state and local regulations.

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SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Compound, Cleaning, Liquid
Contains: Sodium Hydroxide
Hazard Class and Label: 8, Corrosive
Identification Number: UN1760
Packaging Group: III
Other Shipping Info:

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.

SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute	Chronic	Fire	Pressure	Reactive
N/A	N/A	N/A	N/A	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.)
Sodium Hydroxide	1310-73-2	< 10%	1,000

CALIFORNIA PROPOSITION 65:

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

SECTION XVI - OTHER INFORMATION

HMIS Health: 2
HMIS Flammability: 0
HMIS Reactivity: 1

Additional: The information contained in this SDS has been prepared based upon data believed to be reliable, an evaluation of the ingredients in the product, their concentration in the product and potential interactions. The information is offered in good faith and is believed to be reliable and reflects our best professional judgement. Although reasonable care has been taken in the

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