

MATERIAL SAFETY DATA SHEET

Sodium Perchlorate Solution

SECTION 1 . Product and Company Identification

Product Name and Synonym: Sodium Perchlorate Solution

Product Code: 285-10

Material Uses:
Manufacturer: OFI Testing Equipment, Inc.
11302 Steeplecrest Drive
Houston, TX 77065 USA
Phone: (713) 880-9885
Fax: (713) 880-9886

Entry Date : 5/12/2010

Print Date: 9/13/2010

24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	2			
Flammability:	0			
Reactivity:	2			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA = Not Applicable		NE = Not Established		

SECTION 2 HAZARD IDENTIFICATION

Heat, shock, friction, or contact with other materials may cause fire or explosion. Harmful if swallowed. Avoid breathing vapor or dust. Use adequate ventilation. Avoid contact with eyes, skin or clothes. Wash thoroughly after handling. Keep closed.

Emergency Overview: Strong Oxidizer. Heat, Shock Or Contact With Other Materials May Cause Fire Or Explosion.
Harmful If Swallowed. Irritating To Skin, Eyes And Mucous Membranes.

Inhalation: Irritates the Respiratory Tract. Symptoms may Include Coughing and Scratchy Throat.

Ingestion: May Cause Irritation to the Mucous Membranes.

Skin: Effects are Expected to be Less Severe than from Exposure to Higher Concentrations where Symptoms Include Irritation to the Skin with Redness, Itching and Pain.

Eye Contact: Effects should be Less Severe than from Exposure to Higher Concentrations where Symptoms Include Blurred Vision, Redness, Pain and Burns to Eye Tissue and Possible Permanent Eye Damage.

Chronic Exposure: No Information Found.

Aggravated by Exposure: No Information Found.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Sodium Perchlorate Monohydrate	CAS# 7791-07-3	93.75%	W/W	None Established
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

SECTION 4 FIRST AID MEASURES

Heat, shock, friction, or contact with other materials may cause fire or explosion. Harmful if swallowed. Avoid breathing vapor or dust. Use adequate ventilation. Avoid contact with eyes, skin or clothes. Wash thoroughly after handling. Keep

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closed.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

If swallowed give large quantities of water and get medical attention immediately.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Water spray, or foam.
Fire / Explosion Hazards: Material will burn in a fire. Contact with other materials may cause a fire. May release toxic gases during fire.
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Cover with dry lime, sand, or soda ash.
Ventilate area of Leak or Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Contain and Recover Liquid when Possible. Collect Liquid in an Appropriate Container or Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth), and Place in a Chemical Waste Container. Do Not Use Combustible Materials, such as Saw Dust. Do Not Flush to Sewer! US Regulations (CERCLA) Require Reporting Spills and Releases to Soil, Water and Air in Excess of Reportable Quantities.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry well ventilated area. Keep away from heat and flame. Keep away from combustible materials.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator
Ventilation
Local Exhaust
Mechanical
Protective Gloves: Wear appropriate gloves to prevent skin exposure
Eye Protection: Splash Goggles
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	Information not available	Percent Volatile by Volume:	Information not available
Boiling Point:	Information not available	Evaporation Rate	Information not available
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information	Auto Ignition Temp	Not applicable

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	not available		
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	clear odorless liquid	Upper Flamm. Limit in Air	Not applicable
Flash Point:	Information not available		
Specific Gravity:	Information not available		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability:	Stable
Conditions to Avoid:	Incompatibilities
Materials to Avoid:	Organic materials, strong acids, finely powdered metals, reducing agents
Hazardous Decomposition Products:	Toxic gases and fumes if involved in a fire.
Hazardous polymerization:	Will Not Occur
Conditions to Avoid:	None known

SECTION 11 Toxicological Information

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- None

SECTION 12 Ecological Information

Environmental Fate: No Information Found.

SECTION 13 Disposal Considerations

Contact your local permitted waste disposal site (TSD) for permissible treatment sites. Always contact a permitted waste disposer (TSD) to assure compliance with all current local, state and federal regulations.

SECTION 14 Transport Information

DOT Classification: Oxidizing liquid n.o.s. (Sodium Perchlorate)
5.1, UN3139, PG II

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

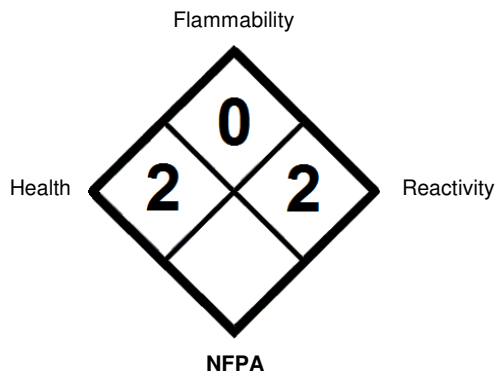
SECTION 15 Regulatory Information

The CAS number of this product is listed on the TSCA Inventory.

SECTION 16 Additional Information

Harmful if inhaled or swallowed. Causes eye and skin irritation. Irritating to mucous membranes and upper respiratory tract. Target organs: Thyroid and blood. Strong oxidizer. Heat shock or contact with other materials may cause fire or explosion. Harmful if swallowed. Irritating to skin, eyes and mucous membranes.

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Revisions

6/25/2010	0.1	updated msds to 16 section from 10 section msds. STN
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The information herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty either expressed or implied is made for the completeness or accuracy of the information whether originating from the above mentioned company or not. Users of this material should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely.