

# MATERIAL SAFETY DATA SHEET

GE Healthcare  
3000 N. Grandview Boulevard, Waukesha, WI 53188

**Trade Name:** PHANTOM NICKEL CHLORIDE HEXAHYDRATE SOLUTION

**MSDS No:** 8363917

**MSDS Revision Date:** 05/08/2007

## 1. Chemical Product and Company Identification

GE Healthcare  
3000 N. Grandview Boulevard  
Waukesha, WI 53188  
(262) 513-4122

Emergency Contact:  
**CHEMTREC:**  
**(800) 424-9300**

### Product Synonyms:

PHANTOM NICKEL CHLORIDE HEXAHYDRATE SOLUTION  
PHANTOM  
HEXAHYDRATE SOLUTION  
ACR PHANTOM  
15035  
2131027-2  
2131027-3  
2135650  
2135660  
2195822  
5117092-6  
46-265622G2  
46-265635G6  
46-265826G6  
46-282280G1  
46-287780G2  
46-287900G2  
46-317586G1  
46-317604G1  
46-317605G1  
46-317626G1  
P9300LU  
P9300LV  
P9300VD  
P9300ZW  
P9330LH

**CAS Number:** 7791-20-0

**Chemical Family:** Nickel Chloride

**Formula:**  $\text{NiCl}_2 \cdot \text{H}_2\text{O}$  in Solution of  $\text{H}_2\text{O}$

**Other Identifiers:** QR64800000

## 5. Fire Fighting Measure

**Flash Point (Method):** Non-Flammable

**Flammable Limits:**

LEL: N/A

UEL: N/A

**Extinguishing Media:** Extinguish fire-using agent suitable for type of surrounding fire. Solution will not burn.

**Firefighting Procedures:** Self-contained breathing apparatus with a full face- piece operated in pressure demand or positive pressure mode.

## 6. Health Hazard Information

**Routes of Entry:** Inhalation, ingestion, skin or eye contact.

**Target Organs:** Skin, paranasal sinus, lungs, gastrointestinal system, kidneys and liver.

**Symptoms and Effects of Exposure:** Metallic taste in the mouth. Exposure can result in irritation of the mucous membranes and the respiratory system. Contact with the skin can result in itchy sensations, redness, erythema, contact dermatitis, eczema, sensitization, or loss of fats and lipids. Contact with the eyes can result in conjunctivitis. Other symptoms include dizziness, giddiness, delirium, confusion, lassitude, loss of strength, asthma, nausea, vomiting, headache, fever or hypothermia, anorexia, loss of sense of smell, diarrhea, anuria, liver damage, jaundice and convulsions.

Animal experiments have resulted in observable birth defects.

Cancers of the lung and nasal sinuses in Nickel workers have been known for more than 50 years to be associated with nickel refining, nickel plating, and nickel polishing.

**First Aid:** If this chemical gets in the eyes, immediately flush the eyes with large amounts of water, occasionally lifting the lower and upper lids. Get medical attention immediately. Contact lenses should not be worn when working with this chemical. If this chemical gets on the skin, immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash contaminated skin with soap or mild detergent and water. Get medical attention promptly.

When this chemical has been swallowed and person is conscious, immediately give the person large quantities of water or milk. Remove by gastric lavage unless patient is vomiting. Do not make an unconscious person vomit. Get medical attention immediately.

## 9. Physical and Chemical Properties

**Appearance and Odor:** Clear green solution

**Boiling Point:** 100 C.

**Molecular Weight:** 237.73 (Nickel Chloride Hexahydrate)

**Other Density:** 1.025

## 10. Stability and Reactivity

**Hazardous Polymerization:** Cannot occur.

**Chemical Incompatibilities:** Strong acids, sulfur.

**Hazardous Decomposition Products:** Thermal decomposition products of nickel chloride hexahydrate are hazardous and/or toxic.

## 11. Ecological Information

**Environmental Information:** 40CFR717 records and reports of allegations that chemical substances cause significant adverse reactions to health or the environment required manufacturers and certain processors of chemical substances and mixture to keep records of significant adverse reactions to health or the environment alleged to have been caused by a substance or mixture. EPA may inspect and require reporting of such records. 48FR38178 8/22/83

## 12. Disposal Considerations

**Waste Management/Disposal:** Observe all federal, state or local regulations when storing or disposing of this substance. Contact local and/or state environmental authorities to insure proper compliance.

## 13. Transportation Information

**DOT Hazard Class:** Not listed.

**Other Shipping Name:** 49CFR172.101 Tables of hazardous materials, their designations, proper shipping name, class label, packaging, and other requirements designated in hazardous material tables as hazardous material (under NOS) for the purpose of transportation. 41FR15996 4/15/76 45FR34588 5/22/80 (amendment) 45FR46420 7/10/80 (amendment) 45FR17739 3/19/81 (amendment) 45FR19235 3/30/81 (amendment).