

## 1. Identification

**Product identifier used on the label**

### **Oakite #90 Electro Cleaner Powder**

**Recommended use of the chemical and restriction on use**

Recommended use\*: Detergents

Unsuitable for use: Uses other than recommended

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

**Details of the supplier of the safety data sheet**

Company:

Romanoff International Supply Corp.

9 Deforest Street

Amityville, NY, 11701 USA

Telephone: +1 631-842-2400

**Emergency telephone number**

**EMERGENCY CONTACT: CHEMTEL (ACCOUNT #MIS4594445  
COLLECT CALLS ACCEPTED)**

**USA, CANADA, PUERTO RICO & US VIRGIN ISLANDS: 1-800-255-3924  
AUSTRALIA: 1-300-954-583 BRAZIL: 0-800-591-6042 CHINA: 400-120-0751  
INDIA: 000-800-100-4086 MEXICO: 800-099-0731  
ALL OTHER COUNTRIES: 1-813-248-0585**

**Other means of identification**

Chemical family: organic, inorganic

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## 2. Hazards Identification

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

**Classification of the product**

Skin Corr./Irrit.	1	Skin corrosion/irritation
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Met. Corr.	1	Corrosive to metals

**Label elements**

Pictogram:



Signal Word:

Danger

Hazard Statement:

H290

May be corrosive to metals.

H314

Causes severe skin burns and eye damage.

Precautionary Statements (Prevention):

P280

Wear protective gloves, protective clothing and eye protection or face protection.

P264

Wash contaminated body parts thoroughly after handling.

P234

Keep only in original packaging.

P260

Do not breathe dust or mist.

Precautionary Statements (Response):

P303 + P361 + P353

IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER or physician.

P390

Absorb spillage to prevent material damage.

P363

Wash contaminated clothing before reuse.

P301 + P330 + P331

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P304 + P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Precautionary Statements (Storage):

P405

Store locked up.

P406

Store in corrosive resistant container with a resistant inner liner.

Precautionary Statements (Disposal):

P501

Dispose of contents and container to hazardous or special waste collection point.

### Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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## 3. Composition / Information on Ingredients

### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Sodium Hydroxide

CAS Number: 1310-73-2

Content (W/W): >= 50.0 - < 75.0%

Synonym: Sodium hydroxide; Caustic soda

Silicic acid (H<sub>2</sub>SiO<sub>3</sub>), disodium salt

CAS Number: 6834-92-0

Content (W/W): >= 15.0 - < 20.0%

Synonym: Disodium metasilicate

Tetrasodium-pyrophosphate

CAS Number: 7722-88-5

Content (W/W): >= 10.0 - < 15.0%

Synonym: No data available.

## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Immediately remove contaminated clothing. First aid personnel should pay attention to their own safety. Remove affected person from danger area. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product.

#### If inhaled:

Remove the affected individual into fresh air and keep the person calm. Immediate medical attention required.

#### If on skin:

Flush with copious amounts of water for at least 15 minutes. Immediate medical attention required.

#### If in eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required. Remove contact lenses, if present.

#### If swallowed:

Rinse mouth immediately with water. Do not induce vomiting. Summon medical aid without delay.

### Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

*Information on: Sodium Hydroxide*

*Symptoms: Overexposure may cause: vomiting, circulatory collapse, death, stenosis, dyspnea, salivation, severe pain*

Hazards: May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

### Indication of any immediate medical attention and special treatment needed

#### Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:

carbon dioxide, dry powder, water spray, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:

water jet

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:

carbon oxides, phosphorus oxides

**Advice for fire-fighters**

Protective equipment for fire-fighting:  
Appropriate breathing apparatus may be required.

**Further information:**

Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing. Avoid dust formation. Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

**Environmental precautions**

Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

**Methods and material for containment and cleaning up**

Ensure adequate ventilation. Contain and collect spillages with a protected vacuum cleaner or by wet brushing and place in a closed container for disposal in accordance with the waste regulations. Do not use a dry brush as dust clouds or static can be created.

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**7. Handling and Storage**

**Precautions for safe handling**

Do not return residues to the storage containers. Avoid dust formation. Provide good ventilation of working area (local exhaust ventilation if necessary). The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs. Warn users about safety measures and precautions to prevent accidents.

Protection against fire and explosion:

The substance/product is non-combustible. The relevant fire protection measures should be noted.

**Conditions for safe storage, including any incompatibilities**

Segregate from acids.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP)

Further information on storage conditions: The entrance to storage rooms is to be granted only to appropriately trained personnel. Keep only in the original container. Keep container tightly closed. Protect against moisture. Avoid direct sunlight. Avoid contact with amphoteric metals (e.g. aluminium, lead, zinc).

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**8. Exposure Controls/Personal Protection**

**Components with occupational exposure limits**

Sodium Hydroxide

OSHA PEL	PEL 2 mg/m <sup>3</sup> ; CLV 2 mg/m <sup>3</sup> ;
ACGIH TLV	CLV 2 mg/m <sup>3</sup> ;

**Advice on system design:**

Use only in well-ventilated areas.

**Personal protective equipment**

**Respiratory protection:**

Wear respiratory protection if ventilation is inadequate.

**Hand protection:**

Chemical resistant protective gloves (EN 374), Further information on penetration time is available from the manufacturer of the glove., The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream)., Use suitable protective gloves made of nitrile rubber or butyl rubber. Please observe the glove manufacturer's instructions on permeability and rupture times as well as the specific workplace conditions.

**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

**Body protection:**

Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

**General safety and hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Do not breathe dust. Take off immediately all contaminated clothing. Keep away from food, drink and animal feeding stuffs. Hands and/or face should be washed before breaks and at the end of the shift.

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**9. Physical and Chemical Properties**

Form:	powder
Odour:	odourless
Odour threshold:	No applicable information available.
Colour:	white
pH value:	> 12.5 ( 40 g/l, 20 °C)
Melting point:	not determined
Freezing point:	not determined
Boiling point:	not determined
Boiling range:	not determined
Sublimation point:	No applicable information available.
Flash point:	not applicable
Flammability:	not flammable
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Autoignition:	not applicable
Vapour pressure:	( 20 °C) not determined
Relative density:	No applicable information available.
Bulk density:	71.81 lb/ft <sup>3</sup>
Vapour density:	No applicable information available.
Partitioning coefficient n-octanol/water (log Pow):	No data available.
Thermal decomposition:	No applicable information available.
Viscosity, dynamic:	No applicable information available.
Viscosity, kinematic:	( 20 °C) not applicable
Solubility in water:	60 g/l ( 21 °C)
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Molar mass:	No applicable information available.
Evaporation rate:	not applicable

## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:  
Corrosive effect on metals.

Oxidizing properties:  
not fire-propagating

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

In reaction with acids exothermic reaction. May react with aluminum, zinc or tin, with formation of hydrogen.

### Conditions to avoid

Avoid humidity.

### Incompatible materials

acids, light metals

### Hazardous decomposition products

Decomposition products:  
Possible decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:  
No applicable information available.

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Based on available Data, the classification criteria are not met.

#### Assessment other acute effects

Assessment of STOT single:

Based on available Data, the classification criteria are not met.

#### Irritation / corrosion

Assessment of irritating effects: Highly corrosive! Damages skin and eyes. May cause severe damage to the eyes.

#### Sensitization

Assessment of sensitization: Based on available Data, the classification criteria are not met.

#### Aspiration Hazard

No aspiration hazard expected.

### **Chronic Toxicity/Effects**

Repeated dose toxicity

Assessment of repeated dose toxicity: Based on available Data, the classification criteria are not met.

Genetic toxicity

Assessment of mutagenicity: Based on available Data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity: Based on available Data, the classification criteria are not met.

Reproductive toxicity

Assessment of reproduction toxicity: Based on available Data, the classification criteria are not met.

Teratogenicity

Assessment of teratogenicity: Based on available Data, the classification criteria are not met.

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## **12. Ecological Information**

### **Toxicity**

Aquatic toxicity

Assessment of aquatic toxicity:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available Data, the classification criteria are not met.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O)

No data available concerning biodegradation and elimination.

### **Bioaccumulative potential**

Bioaccumulation potential

No data available.

### **Mobility in soil**

Assessment transport between environmental compartments

No data available.

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## **13. Disposal considerations**

### **Waste disposal of substance:**

Observe national and local legal requirements.

### **Container disposal:**

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

## 14. Transport Information

### Land transport

USDOT

Hazard class: 8  
Packing group: II  
ID number: UN 3262  
Hazard label: 8  
Proper shipping name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (contains SODIUM HYDROXIDE, DISODIUM META-SILICATE)

### Sea transport

IMDG

Hazard class: 8  
Packing group: II  
ID number: UN 3262  
Hazard label: 8  
Marine pollutant: NO  
Proper shipping name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (contains SODIUM HYDROXIDE, DISODIUM META-SILICATE)

### Air transport

IATA/ICAO

Hazard class: 8  
Packing group: II  
ID number: UN 3262  
Hazard label: 8  
Proper shipping name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (contains SODIUM HYDROXIDE, DISODIUM META-SILICATE)

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## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
1000 LBS	1310-73-2	Sodium Hydroxide

### State regulations

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
NJ	1310-73-2	Sodium Hydroxide
	7722-88-5	Tetrasodium-pyrophosphate
PA	1310-73-2	Sodium Hydroxide
	7722-88-5	Tetrasodium-pyrophosphate

#### NFPA Hazard codes:

Health: 3 Fire: 1 Reactivity: 1 Special:

#### HMIS III rating

Health: 3 Flammability: 1 Physical hazard: 1

## 16. Other Information

**SDS Prepared by:**

Romanoff International Supply Corp.

SDS Prepared on: 12/15/2021

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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