

# SAFETY DATA SHEET

NUCLO BASIC CALCIUM HARDNESS



## Section 1. Chemical product and company identification

**Product name** : NUCLO Brand 1846 - 1860 BASIC CALCIUM HARDNESS

**Recommended use and restrictions** : Pool chemical

Use only for the purpose on the product label.

**Product dilution information** : Not applicable

**Supplier's information** : QUALCO, INC.  
225 Passaic Street  
Passaic, NJ 07055 973-473-1222

**Code** : 1847-1851

**Date of issue** : 28 December 2020

EMERGENCY HEALTH INFORMATION: CHEMTREC 800-424-9300

## Section 2. Hazards identification

**GHS Classification** : **Product AS SOLD**  
SERIOUS EYE DAMAGE/ EYE IRRITATION -  
Category 2A

### GHS label elements

**Signal word** : Warning

**Symbol** :



**Hazard statements** : Causes serious eye irritation.

### Precautionary statements

**Prevention** : Wear eye or face protection. Wash hands thoroughly after handling.

**Response** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Storage** : No other specific measures identified.

**Disposal** : See section 13 for waste disposal information.

**Other hazards** : None known.

### **Product AT USE DILUTION**

Product is sold ready to use.

### Section 3. Composition/information on ingredients

Substance/mixture : Mixture

**Product AS SOLD**

| Hazardous ingredients       | Concentration Range (%) | CAS number |
|-----------------------------|-------------------------|------------|
| calcium chloride, dihydrate | >50                     | 10035-04-8 |

**Product AT USE DILUTION**

| Hazardous ingredients         | Concentration Range (%) | CAS number |
|-------------------------------|-------------------------|------------|
| Product is sold ready to use. |                         |            |

### Section 4. First aid measures

|   | Product AS SOLD  | Product AT USE DILUTION       |
|---|--|-------------------------------|
| <b>Eye contact</b>                                | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.       | Product is sold ready to use. |
| <b>Skin contact</b>                               | : No known effect after skin contact. Rinse with water for a few minutes.  |                               |
| <b>Inhalation</b>                                 | : No special measures required. Treat symptomatically.   |                               |
| <b>Ingestion</b>                                  | : Get medical attention if symptoms occur.   |                               |
| <b>Protection of first-aiders</b>                 | : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |                               |
| <b>Notes to physician</b>                         | : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.  |                               |
| <b>See toxicological information (section 11)</b> |  |                               |

### Section 5. Fire-fighting measures

**Product AS SOLD**

|   |   |
|---|---|
| <b>Suitable fire extinguishing media</b>              | : Use water spray, fog or foam.   |
| <b>Specific hazards arising from the chemical</b>     | : No specific fire or explosion hazard.   |
| <b>Hazardous thermal decomposition products</b>       | : Decomposition products may include the following materials:<br>halogenated compounds<br>metal oxide/oxides  |
| <b>Specific fire-fighting methods</b>                 | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| <b>Special protective equipment for fire-fighters</b> | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                         |

### Section 6. Accidental release measures

|                                  | Product AS SOLD  | Product AT USE DILUTION       |
|----------------------------------|--|-------------------------------|
| <b>Personal precautions</b>      | : Use personal protective equipment as required.   | Product is sold ready to use. |
| <b>Environmental precautions</b> | : Avoid contact of large amounts of spilled material and runoff with soil and surface waterways. |                               |
| <b>Methods for cleaning up</b>   | : Collect spillage. Use a water rinse for final clean-up.  |                               |

## Section 7. Handling and storage

|                 |   |                                |
|-----------------|---|--------------------------------|
|                 | <b>Product AS SOLD</b>  | <b>Product AT USE DILUTION</b> |
| <b>Handling</b> | : Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. | Product is sold ready to use.  |
| <b>Storage</b>  | : Keep out of reach of children. Keep container tightly closed.               |                                |
|                 | Do not store above the following temperature: 0°C                             |                                |

## Section 8. Exposure controls/personal protection

| <u>Control parameters</u> |                 |
|---------------------------|-----------------|
| Ingredient name           | Exposure limits |
| None.                     |                 |

|   |  |                                |
|---|--|--------------------------------|
|   | <b>Product AS SOLD</b>   | <b>Product AT USE DILUTION</b> |
| <b>Appropriate engineering controls</b> | : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.   | Product is sold ready to use.  |
| <b><u>Personal protection</u></b>       |  |                                |
| <b>Eye protection</b>                   | : Wear eye protection.   |                                |
| <b>Hand protection</b>                  | : No protective equipment is needed under normal use conditions.   |                                |
| <b>Skin protection</b>                  | : No protective equipment is needed under normal use conditions.   |                                |
| <b>Respiratory protection</b>           | : A respirator is not needed under normal and intended conditions of product use.  |                                |
| <b>Hygiene measures</b>                 | : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. |                                |

## Section 9. Physical and chemical properties

|   |   |                                |
|---|---|--------------------------------|
|   | <b>Product AS SOLD</b>  | <b>Product AT USE DILUTION</b> |
| <b>Physical state</b>                       | : Solid   | Product is sold ready to use.  |
| <b>Color</b>                                | : Off-white [Light]   |                                |
| <b>Odor</b>                                 | : Faint odor  |                                |
| <b>pH</b>                                   | : 7.5 (1%)  |                                |
| <b>Flash point</b>                          | : > 100°C<br>Product does not support combustion.               |                                |
| <b>Explosion limits</b>                     | : Not available.  |                                |
| <b>Flammability (solid, gas)</b>            | : Not available.  |                                |
| <b>Melting point</b>                        | : Not available.  |                                |
| <b>Boiling point</b>                        | : Not available.  |                                |
| <b>Evaporation rate (butyl acetate = 1)</b> | : Not available.  |                                |
| <b>Vapor pressure</b>                       | : Not available.  |                                |
| <b>Vapor density</b>                        | : Not available.  |                                |
| <b>Relative density</b>                     | : 1 (Water = 1)   |                                |
| <b>Solubility</b>                           | : Soluble in the following materials: cold water and hot water. |                                |

## Section 9. Physical and chemical properties

Partition coefficient: : Not available.  
n-octanol/water

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Odor threshold : Not available.

Viscosity : Kinematic (room temperature): 0 cm<sup>2</sup>/s (0 cSt)

## Section 10. Stability and reactivity

### Product AS SOLD

Stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Materials to avoid : Slightly reactive or incompatible with the following materials: metals and acids.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

Route of exposure : Skin contact, Eye contact, Ingestion

### Product AS SOLD

#### Symptoms

Eye contact : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

Skin contact : No specific data.

Inhalation : No specific data.

Ingestion : No specific data.

#### Acute toxicity

Eye contact : Causes serious eye irritation.

Skin contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

#### Toxicity data

##### Product/ingredient name

|                             |             |        |             |
|-----------------------------|-------------|--------|-------------|
| calcium chloride, dihydrate | LD50 Dermal | Rabbit | >5000 mg/kg |
|                             | LD50 Oral   | Rat    | 2301 mg/kg  |

### Product AT USE DILUTION

Product is sold ready to use.

#### Chronic toxicity

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

## Section 12. Ecological information

Product AS SOLD

**Ecotoxicity** : No known significant effects or critical hazards.

**Aquatic and terrestrial toxicity**

| Product/ingredient name     | Result               | Species | Exposure |
|-----------------------------|----------------------|---------|----------|
| calcium chloride, dihydrate | Acute LC50 4630 mg/l | Fish    | 96 hours |

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : Diluted product can be flushed to sanitary sewer.  
Discard empty container in trash.

Product AS SOLD

Product AT USE DILUTION

Product is sold ready to use.

## Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

**DOT**

DOT Classification : Not regulated.

**IMO/IMDG**

IMO/IMDG Classification : Not regulated.

For transport in bulk, see shipping documents for specific transportation information.

Product AT USE DILUTION

Not intended for transport.

## Section 15. Regulatory information

Product AS SOLD

**U.S. Federal regulations**

TSCA 8(b) inventory : All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

| SARA 313                        | Product name          | CAS number | Concentration |
|---------------------------------|-----------------------|------------|---------------|
| Form R - Reporting requirements | : No listed substance |            |               |

California Prop. 65 : No listed substance

## Section 16. Other information

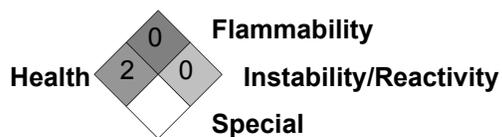
Product AS SOLD

Hazardous Material Information System (U.S.A.) :

|                  |   |
|------------------|---|
| Health           | 2 |
| Flammability     | 0 |
| Physical hazards | 0 |
|                  |   |

## Section 16. Other information

National Fire Protection Association (U.S.A.) :



Date of issue : 28 December  
Prepared by 2020 : Regulatory Affairs

### Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.