

SAFETY DATA SHEET

DECHLOR REDUCING AGENT

Section 1. Chemical product and company identification

Product name : NUCLO, ORTEX, PRIVATE LABEL DECHLOR REDUCING AGENT
Recommended use and restrictions : Pool chemical

Use only for the purpose on the product label.

Product dilution information : Not applicable

Supplier's information : Alden Leeds, Inc.
55 Jacobus Ave.
So. Kearny, NJ 07032
(973) 589-3544

Code : 1313

Date of issue : **28 May 2015**

EMERGENCY HEALTH INFORMATION: ÔPÔT VÛÖÖÂ €€€ G ÈH€€

Section 2. Hazards identification

GHS Classification : **Product AS SOLD**
: SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION -
Category 2A
SPECIFIC TARGET ORGAN TOXICITY
(SINGLE EXPOSURE) [Respiratory tract
irritation] - Category 3

GHS label elements

Signal word : Warning

Symbol :



Hazard statements : Causes serious eye irritation.
Causes skin irritation.
May cause respiratory irritation.

Precautionary statements

Prevention : Wear protective gloves. Wear eye or face
protection. Use only outdoors or in a well-
ventilated area. Avoid breathing dust. Wash
hands thoroughly after handling.

Response : IF INHALED: Remove victim to fresh air and
keep at rest in a position comfortable for
breathing. Call a POISON CENTER or
physician if you feel unwell. IF ON SKIN: Wash
with plenty of soap and water. Take off
contaminated clothing. Wash contaminated
clothing before reuse. If skin irritation occurs:
Get medical attention. IF IN EYES: Rinse

Product AT USE DILUTION

Product is sold ready to use.

Section 2. Hazards identification

	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	: Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product AS SOLD

Hazardous ingredients	Concentration Range (%)	CAS number
SODIUM THIOSULFATE	>50	7772-98-7

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
Eye contact	: 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.
Skin contact	: Take off contaminated clothing. Wash with plenty of soap and water. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse.	
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell.	
Ingestion	: Get medical attention if symptoms occur.	
Protection of first-aiders	: 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.	
Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	

See toxicological information (section 11)

Section 5. Fire-fighting measures

Product AS SOLD

Suitable fire extinguishing media	: Use dry chemical powder.
Specific hazards arising from the chemical	: No specific fire or explosion hazard.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: sulfur oxides metal oxide/oxides

Section 5. Fire-fighting measures

- Specific fire-fighting methods** : 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.
- Special protective equipment for fire-fighters** : 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

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

Section 7. Handling and storage

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|-----------------|--|--------------------------------|
| | Product AS SOLD | Product AT USE DILUTION |
| Handling | : Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. | Product is sold ready to use. |
| Storage | : Keep out of reach of children. Keep container tightly closed.

Do not store above the following temperature: 5°C | |

Section 8. Exposure controls/personal protection

Control parameters

Ingredient name	Exposure limits
None.	

- | | | |
|---|--|--------------------------------|
| | Product AS SOLD | Product AT USE DILUTION |
| Appropriate engineering controls | : Good general ventilation should be sufficient to control worker exposure to airborne contaminants. | Product is sold ready to use. |
| Personal protection | | |
| Eye protection | : Wear eye protection. | |
| Hand protection | : Use chemical-resistant, impervious gloves. | |
| Skin protection | : No protective equipment is needed under normal use conditions. | |
| Respiratory protection | : A respirator is not needed under normal and intended conditions of product use. | |
| Hygiene measures | : 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

	Product AS SOLD
Physical state	: Powder
Color	: White [Light]
Odor	: Odorless
pH	: 7.3 (1%)
Flash point	: > 100°C Product does not support combustion.
Explosion limits	: Not available.
Flammability (solid, gas)	: Not available.
Melting point	: Not available.
Boiling point	: Not available.
Evaporation rate (butyl acetate = 1)	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 0 (Water = 1)
Solubility	: Soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Odor threshold	: Not available.
Viscosity	: Kinematic (room temperature): 0 cm ² /s (0 cSt)

Product AT USE DILUTION

Product is sold ready to use.

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	: Reactive or incompatible with the following materials: oxidizing materials.
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	: Adverse symptoms may include the following: irritation redness

Product AT USE DILUTION

Product is sold ready to use.

Section 11. Toxicological information

Inhalation : Adverse symptoms may include the following:
 respiratory tract irritation
 coughing
 Respiratory tract irritation

Ingestion : No specific data.

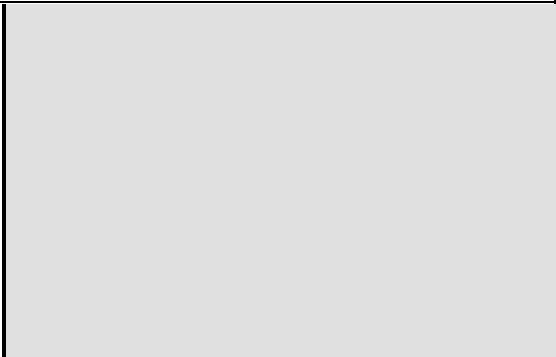
Acute toxicity

Eye contact : Causes serious eye irritation.

Skin contact : Causes skin irritation.

Inhalation : May cause respiratory irritation.

Ingestion : No known significant effects or critical hazards.



Toxicity data

Product/ingredient name

sodium thiosulfate	LC50 Inhalation Vapor	Rat	5.5 mg/l
	LD50 Dermal	Rabbit	>2000 mg/kg
	LD50 Oral	Rat	>5000 mg/kg

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
sodium thiosulfate	Acute LC50 24000 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 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.

Section 14. Transport 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.

EPA Registration No. : Adjuvant

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

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

<u>SARA 313</u>	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
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

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



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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.