

SAFETY DATA SHEET

Cyclone NP /Cyclone NZ / Vortex Powdered CIP Detergent

Section 1. Chemical Product and Company Information

Product Name : Cyclone NP/Cyclone NZ/VORTEX Powdered CIP Detergent
 Other means of identification : Not applicable
 Recommended Use : Manual Cleaning Product
 Restrictions on Use : Reserved for industrial and professional use.

Supplier Information : AgroChem Inc.
 26 Freedom Way
 Saratoga Springs, NY 12866
 (518) 226-4850

Code :
 Date of issue : 10/05/2015

EMERGENCY HEALTH INFORMATION : 1 (800) 424-9300
 Outside United States and Canada CALL: +1 (703) 741-5500

Section 2. Hazards Identification

GHS Classification

Serious eye irritation : Category 1
 May be corrosive to metals : Category 1
 Skin irritation : Category 2A

GHS Label Element

Hazard pictograms :



Signal Word : Warning
 Hazard Statements : Causes serious eye irritation. Harmful if swallowed
 Precautionary Statements :

Prevention:

Wash skin thoroughly after handling. Wear eye protection/ face protection. Mixing this product with acid or ammonia releases chlorine gas.

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 advice/ attention. r.

Storage:

Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

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Other hazards : None Known

Section 3. Composition / Information on Ingredients

Pure substance/mixture : Mixture

Chemical Name	CAS-No.	Concentration (%)
Sodium Hydroxide Beads	1310-73-2	30.0 – 74.0
Dichloroisocyanuric acid, dry	2782-57-2	5.0 – 10.0

Section 4. First Aid Measures

- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
- In case of skin contact : Wash off immediately with plenty of water.
- If swallowed : Rinse mouth. Get medical attention if symptoms occur.
- If inhaled : Remove to fresh air. Get medical attention if symptoms occur.
- Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- Notes to physician : Treat symptomatically.

See toxicological information (Section 11)

Section 5. Fire-Fighting Measures

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : None known
- Specific hazards during fire fighting : Not flammable or combustible.
- Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides
- Special protective equipment for fire-fighters : Use personal protective equipment.

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Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Section 7. Handling and Storage

Advice on safe handling Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas.

Conditions for safe storage Keep out of reach of children.
Keep away from strong bases.
Store in suitable labeled containers.

Storage temperature -30 °C to 50 °C

Section 8. Exposure Controls / Personal Protection

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

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Personal protective equipment	
Eye protection	: Safety goggles with side-shields
Hand protection	: No special protective equipment required.
Skin protection	: No special protective equipment required.
Respiratory protection	: No personal respiratory protective equipment normally required.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling.

Section 9. Physical and Chemical Properties

Appearance	: Powder
Color	: White, opaque
Odor	: Slight
pH	:
Flash point	: Not applicable, Does not sustain combustion.
Odor Threshold	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Evaporation Rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: No data available
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available

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Viscosity, kinematic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Molecular weight	:	No data available
VOC	:	No data available

Section 10. Stability and Reactivity

Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Mixing this product with acid or ammonia releases chlorine gas.
Conditions to avoid	:	None known.
Incompatible materials	:	Acids Metals
Hazardous decomposition products	:	Decomposition products may include the following materials: Carbon oxides

Section 11. Toxicological Information

Information on likely routes of exposure	:	Inhalation, Eye contact, Skin contact
Potential Health Effects	:	No data available
Eyes	:	Causes serious eye damage.
Skin	:	Health injuries are not known or expected under normal use.
Ingestion	:	Health injuries are not known or expected under normal use.
Inhalation	:	Health injuries are not known or expected under normal use.
Chronic Exposure	:	Health injuries are not known or expected under normal use.
Experience with human exposure	:	
Eye contact	:	Redness, Pain, Irritation
Skin contact	:	Redness, Pain, Corrosion
Ingestion	:	Corrosion, Abdominal pain
Inhalation	:	Respiratory irritation, Cough
Toxicity	:	

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Acute oral toxicity	:	Acute toxicity estimate : > 3,500 mg/kg
Acute inhalation toxicity	:	No data available
Acute dermal toxicity	:	No data available
Skin corrosion/irritation	:	No data available
Serious eye damage/eye irritation	:	No data available
Respiratory or skin sensitization	:	No data available
Carcinogenicity	:	No data available
Reproductive effects	:	No data available
Germ cell mutagenicity	:	No data available
Teratogenicity	:	No data available
STOT-single exposure	:	No data available
STOT-repeated exposure	:	No data available
Aspiration toxicity	:	No data available

Ingredients

Acute dermal toxicity	Sodium Dichloro-s-Triazinetrione Dihydrate LD50 rat: > 5,000 mg/kg
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Section 12. Ecological Information

Ecotoxicity

Environmental Effects	:	Toxic to aquatic life.
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Product

Toxicity to fish	:	No data available
Toxicity to daphnia and other aquatic invertebrates	:	No data available
Toxicity to algae	:	No data available

Ingredients

Toxicity to daphnia and other aquatic invertebrates	:	No data available
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Persistence and degradability	:	No data available
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Bioaccumulative potential	:	No data available
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Mobility in soil	:	No data available
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Other adverse effects	:	No data available
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Section 13. Disposal Considerations

- Disposal methods : The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
- Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

Section 14. Transport Information

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

- UN number : UN 1759
Description of the goods : Corrosive, Solids, n.o.s. (Sodium Hydroxide)
Class : Class 8
Packing group : PG II

Sea transport (IMDG/IMO) Not dangerous goods

Section 15. Regulatory Information

EPCRA - Emergency Planning and Community Right-to-Know
CERCLA Reportable Quantity

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Not listed

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65 : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory : Not determined

Canadian Domestic : Not determined

Substances List (DSL)

Australia Inventory of : Not determined

Chemical Substances (AICS)

New Zealand. Inventory of : Not determined

Chemical Substances

Japan. ENCS - Existing and : Not determined

New Chemical Substances

Inventory

Japan. ENCS - Existing and : Not determined

New Chemical Substances

Inventory

Japan. ISHL - Inventory of : Not determined

Chemical Substances

Korea. Korean Existing : Not determined

Chemicals Inventory (KECI)

Philippines Inventory of : Not determined

Chemicals and Chemical

Substances (PICCS)

China. Inventory of Existing : Not determined

Chemical Substances in China

(IECSC)

Section 16. Other Information

Issuing date : 4/20/2015

Version : 1.0

Prepared by : RJD

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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