



Diversified Chemical Products, Inc.  
60 Germay Drive  
Wilmington, Del. 19804

Safety Data Sheet (SDS)  
OSHA HazCom Standard 29 CFR 1910.1200.

## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Enzymatic Ultrasonic Cleaner - Powder

**Product Number:** DP2200

**Contact:**

DIVERSIFIED CHEMICAL PRODUCTS, INC.  
60 GERMAY DRIVE  
WILMINGTON, DEL. 19804

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## SECTION 2 – HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

Causes serious eye damage.



Harmful if swallowed.

Causes skin irritation.

May cause an allergic reaction.

Label elements

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS05

**Signal word:** Danger

**Hazard-determining components of labeling:**

Tetrasodium ethylenediaminetetraacetate

**Hazard statements**

Harmful if swallowed.

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

**Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

Wash thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

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

Continue rinsing.

Take off contaminated clothing and wash before reuse.

IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a POISON CENTER/doctor if you feel unwell.

IF ON SKIN: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

If any symptoms continue call a POISON CENTER/doctor.

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Classification system:**

**NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 0

Reactivity = 0

**HMIS-ratings (scale 0 - 4)**



Health = 2

Fire = 0

Reactivity = 0

**SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS**

**Chemical characterization: Mixtures**

**Description:** Mixture of the substances listed below with nonhazardous additions.

**Dangerous Components:**

CAS No.	Description	GHS-US classification
CAS: 7758-29-4	Pentasodium triphosphate	Skin Irrit. 2, H315 Eye Irrit. 2, H319
CAS: 64-02-8	Tetrasodium ethylenediaminetetraacetate	Eye Dam. 1, H318 Acute Tox. 4, H302
CAS: 497-19-8	Sodium carbonate	Eye Irrit. 2, H319
CAS: NA	Surfactants	Skin Irrit. 2, H315; Eye Irrit. 2A, H319
CAS: 9014-01-1	Bacterial protease	Resp Irrit. 1, H334

#### SECTION 4 - FIRST AID INFORMATION

##### Description of first aid measures

###### General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

###### **After inhalation:**

If having difficulty breathing, contact emergency personnel immediately

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness, place patient securely on side position for transportation.

###### **After skin contact:**

Remove contaminated clothing. Wash clothing before reuse.

Immediately wash with water and soap and rinse thoroughly.

If irritation occurs consult a doctor.

###### **After eye contact:**

Hold eyelids apart and flush eyes with plenty of water for at least 20 minutes.

Rinse opened eye for several minutes under running water. Seek medical treatment.

###### **After swallowing:**

Do not induce vomiting and call for medical help.

Never give anything by mouth to an unconscious person

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

No further relevant information available.

###### **Information for doctor:**

This product contains sodium carbonate at low concentrations. While no adverse complications are expected, consider endoscopy in all suspected cases of poisoning. Perform blood analysis to determine if dehydration, acidosis, or other electrolyte imbalances occurred.

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

No further relevant information available.

#### SECTION 5 - FIRE-FIGHTING INFORMATION

##### Extinguishing media

###### **Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

###### **Special hazards arising from the substance or mixture**

No further relevant information available.

###### **Advice for firefighters**

###### **Protective equipment:**

Full protective clothing and self-contained breathing apparatus should be worn.

#### SECTION 6 - ACCIDENTAL RELEASE INFORMATION

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

Refer to section 8

###### **Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

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

Dispose contaminated material as waste according to section 13.

###### **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7 - HANDLING AND STORAGE

### Precautions for safe handling:

Avoid contact with skin, eyes and clothing

### Information about protection against explosions and fires:

No special measures required.

### Conditions for safe storage, including any incompatibilities

#### Storage:

#### Requirements to be met by storerooms and receptacles:

Keep container tightly closed.

Store in a well ventilated place.

Store in a cool, dry place.

#### Information about storage in one common storage facility:

Not required.

#### Further information about storage conditions:

Use plastics or stainless steel for suitable packaging.

### Precautions for safe handling:

Avoid contact with skin, eyes and clothing

### Specific end use(s)

No further relevant information available.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Additional information about design of technical systems:

No further data; see section 7.

### Control parameters

#### Components with occupational exposure limits:

Federal guidelines suggest to treat the ingredient in this product as a nuisance dust, as no product specific guidelines have been issued for exposure.

Particulates Not Otherwise Regulated: OSHA (PEL/TWA): 15 mg/m<sup>3</sup> (total dust); 5 mg/mg<sup>3</sup> (resp fraction)

#### Additional information:

The lists that were valid during the creation were used as basis.

### Exposure controls

#### Personal protective equipment:

#### General protective and hygienic measures:

Keep away from tobacco products.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

**Breathing equipment:** Not required.

#### Protection of hands:



Protective gloves



Protective goggles

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the



**SECTION 10 – STABILITY AND REACTIVITY**

**Reactivity** No further relevant information available.

**Chemical stability** Product is stable under normal conditions.

**Thermal decomposition / conditions to be avoided:**

Carbon dioxide and carbon monoxide may form when heated to decomposition

**Conditions to avoid:**

Avoid strong oxidizing agents, aluminum, heat, moisture and other incompatible materials as stated above.

**Incompatible materials:**

Avoid oxidizing agents and acids. Avoid contact with bare aluminum. Flammable hydrogen gas may be produced in contact with bare aluminum. Sodium carbonate reacts with fluorine, aluminum, phosphorus pentoxide, sulfuric acid, zinc, lithium, moisture, calcium hydroxide and 2,4,6-trinitrotoluene and reacts violently with acid to form carbon dioxide.

**Hazardous decomposition products:**

Carbon dioxide and carbon monoxide may form when heated to decomposition.

**SECTION 11 – TOXICOLOGICAL INFORMATION****Information on toxicological effects****Acute toxicity****LD/LC50 values that are relevant for classification**

Pentasodium triphosphate (CAS: 7758-29-4)

LD50 oral rate 3900 mg/kg (rat)

Tetrasodium ethylenediaminetetraacetate (CAS: 64-02-8)

LD50 oral rate >2000 mg/kg (rat)

Sodium carbonate (CAS: 497-19-8)

LD50 oral rate 4090 mg/kg (rat)

Bacterial protease (CAS: 9014-01-1)

LD50 oral rate 2000 mg/kg (rat)

**Primary irritant effect:****On the skin:**

Irritant to skin and mucous membranes.

**On the eye:**

Strong irritant with the danger of severe eye injury.

**Sensitization:**

Sensitization possible through skin contact.

**Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

**Carcinogenic categories****IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

**NTP (National Toxicology Program)**

None of the ingredients is listed.

**OSHA (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**SECTION 12 – ECOLOGICAL INFORMATION****Toxicity****Aquatic toxicity:**

Persistence and degradability

Toxic to aquatic life

No further relevant information available.

Bioaccumulative potential

No further relevant information available.

Mobility in soil

No further relevant information available.

**Additional ecological information:****General notes:**

Water hazard class 2 (Self-assessment):

hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

**Results of PBT and vPvB assessment**

PBT:

Not applicable

vPvB:

Not applicable

Other adverse effects

No further relevant information available.

**SECTION 13 – DISPOSAL CONSIDERATIONS****Waste disposal methods**

Waste disposal recommendation

Observe all federal, state and local environmental regulations when disposing of this material.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Un-cleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Recommended cleansing agent:

Water, if necessary with cleansing agents.

**SECTION 14 – TRANSPORT INFORMATION***UN-Number**DOT, ADR, ADN, IMDG, IATA*

Non-Regulated Material

*UN proper shipping name**DOT, ADR, ADN, IMDG, IATA*

Non-Regulated Material

*Transport hazard class(es)**DOT, ADR, ADN, IMDG, IATA**Class*

Non-Regulated Material

*Packing group**DOT, ADR, IMDG, IATA*

Non-Regulated Material

*Environmental hazards:**Marine pollutant:*

No

*Special precautions for user*

Not applicable

*Transport in bulk according to Annex II of**MARPOL73/78 and the IBC Code*

Not applicable

*UN "Model Regulation":*

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**SECTION 15 – REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Sara

**Section 355 (extremely hazardous substance)**

None of the ingredients is listed.

**Section 313 (specific toxic chemical listings)**

CAS: 7758-29-4

Pentasodium triphosphate

**TSCA (Toxic Substances Control Act):**

CAS: 7758-29-4

Pentasodium triphosphate

CAS: 64-02-8

Tetrasodium ethylenediaminetetraacetate

CAS: 497-19-8

Sodium carbonate

CAS: 9014-01-1

Bacterial protease

**Proposition 65**

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

**Carcinogenic categories**

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

GHS label elements

The product is classified and labeled according to the Global Harmonized System (GHS).

**Hazard pictograms**



GHS07

Signal word: Danger

**National Regulations**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

**State Right to Know**

CAS No.	Description	GHS-US classification
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CAS: 9014-01-1	Bacterial protease	Resp Irrit. 1, H334

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.



## SECTION 16 – OTHER INFORMATION

### *Abbreviations and acronyms:*

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
DOT:	US Department of Transportation
IATA:	International Air Transport Association
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
LD50:	Lethal dose, 50 percent
Acute Tox. 4:	Acute toxicity, Hazard Category 4
Skin Irrit. 2:	Skin corrosion/irritation
Eye Dam. 1:	Serious eye damage/eye irritation
Eye Irrit. 2:	Severe skin irritation /eye irritation
Eye Irrit. 2A:	Severe skin irritation/eye irritation

**Revision Summary** Replaces Rev 6 issued on 28-November-2014. Complies with GHS OSHA requirements.

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