



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: Evacuation System Cleaner

Product Number: DP3300

Contact:

DIVERSIFIED CHEMICAL PRODUCTS, INC.

60 GERMAY DRIVE

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SECTION 2 – HAZARD(S) IDENTIFICATION

Classification of the substance or mixture



Corrosive

Causes serious eye damage.



Harmful if swallowed.

Causes skin irritation.

Label elements

GHS label elements

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

Hazard pictograms



GHS05



H319

Signal word: Danger

Hazard-determining components of labeling:

Tetrasodium ethylenediaminetetraacetate

Hazard statements

Causes severe skin burns and eye damage.

Precautionary statements

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/eye protection/face protection.

If swallowed: Call a poison center/doctor if you feel unwell.

If on skin: Wash with plenty of water.

If skin irritation occurs: Get medical advice/attention.

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 it before reuse.

Classification system:**NFPA ratings (scale 0 - 4)**

Health = 3

Fire = 0

Reactivity = 1

HMIS-ratings (scale 0 - 4)

Health = *3

Fire = 0

Reactivity = 1

***Hazard(s) not otherwise classified (HNOC):** None known

SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS**Chemical characterization: Mixtures**

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

Dangerous Components:

CAS No.	Description	% Range	GHS-US classification
CAS: 64-02-8	Tetrasodium ethylenediaminetetraacetate	15-40%	Eye damage, H318 Acute Tox. 4, H302
CAS: 497-19-8	Sodium carbonate	15-40%	Eye Irrit. 2A, H319
CAS: 6834-92-0	Disodium Metasilicate	1-5%	Skin Corr. 1B, H314 Acute Tox. 4, H302; STOT SE 3, H335

SECTION 4 - FIRST AID INFORMATION**Description of first aid measures****General information:**

Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

After inhalation:

Take affected persons into fresh air and keep quiet.

If having difficulty breathing, contact emergency personnel immediately.

In case of unconsciousness place patient stably in 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.
Seek medical treatment.

After swallowing:

Give large amounts of water.
Do not induce vomiting and call for medical help.

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Information for doctor:

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

This product contains sodium carbonate at a low concentration. 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.

SECTION 5 - FIRE-FIGHTING INFORMATION**Extinguishing media****Suitable extinguishing agents:**

Use firefighting measures that suit the environment.

Special hazards arising from the substance or mixture

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. Fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.

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:

Avoid dust formation and control ignition sources.

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.

Do not store in aluminum, carbon steel, copper, copper alloys, fiberglass, brass, zinc, nickel or galvanized containers.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Use PET, HDPE and/or related plastics for suitable packaging.

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): 10 mg/m³ (total dust); 5 mg/mg³ (resp fraction)

Additional information:

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

Exposure controls

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Where acceptable concentrations cannot be maintained by general mechanical ventilation, local exhaust ventilation is recommended.

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 eyes and skin.

Breathing equipment: Not required.

For nuisance exposure use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Protection of hands:



Protective Gloves



Protective goggles

The glove material must 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 chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

Incompatible materials:

(Continued of page 5)

Oxidizing agents, strong bases, copper, copper alloys and nickel. Sodium carbonate reacts with fluorine, aluminum, phosphorous pentoxide, sulfuric acid, zinc lithium, moisture, calcium hydroxide and 2,4,6trinitrotoluene and reacts violently with acid to form carbon dioxide.

Hazardous decomposition products:

Burning may produce carbon monoxide, carbon dioxide, nitrogen oxides, oxides of phosphorous, oxides of sulfur and sodium oxides.

SECTION 11 – TOXICOLOGICAL INFORMATION**Information on toxicological effects****Acute toxicity**

LD/LC50 values that are relevant for classification: No data available

Primary irritant effect:

On the skin: Irritant to skin and mucous membranes.

On the eye: Strong irritant with the danger of severe eye injury.

Additional toxicological information:

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

Sodium carbonate has been investigated as a mutagen and as a reproductive effector.

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-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

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

No further relevant information available.

Persistence and degradability

No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential

No further relevant information available.

Mobility in soil

No further relevant information available.

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.

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, ADN, IATA
IMDG

Non-Regulated Material
Non-Regulated Material

UN proper shipping name:

DOT, ADR/ADN, ADN, IMDG, IATA
Transport hazard class(es):

Non-Regulated Material

DOT, ADR/ADN, ADN, IMDG, IATA
Class:

Non-Regulated Material

Packing group:

DOT, ADR/ADN, IMDG, IATA

Non-Regulated Material

Environmental hazards:

Not applicable

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":

Non-Regulated Material

SECTION 15 – REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture****Sara****Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

Section 311/312 (Hazard Classes):

Acute health hazard

TSCA (Toxic Substances Control Act):

All ingredients are listed or exempt from listing.

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

GHS05



H319

Signal word: Danger

Hazard statements

Harmful if swallowed.

Causes skin irritation.

Causes serious eye damage.

Precautionary statements

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/eye protection/face protection.

If swallowed: Call a poison center/doctor if you feel unwell.

If on skin: Wash with plenty of water.

If skin irritation occurs: Get medical advice/attention.

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 it before reuse.

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

National Regulations:

None of the ingredients are listed.

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16 – OTHER INFORMATION**Abbreviations and acronyms:**

ADR:	The European Agreement concerning the International Carriage of Dangerous Goods by Road
AND:	The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG:	International Maritime Code for Dangerous Goods
DOT:	US Department of Transportation
IATA:	International Air Transport Association
ACGIH:	American Conference of Governmental Industrial Hygienists
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
NFPA:	National Fire Protection Association (USA)
HMIS:	Hazardous Materials Identification System (USA)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
NIOSH:	National Institute for Occupational Safety and Health
OSHA:	Occupational Safety & Health Administration
TLV:	Threshold Limit Value
PEL:	Permissible Exposure Limit
REL:	Recommended Exposure Limit
Acute Tox. 4:	Acute toxicity – Category 4
Skin Corr. 1B:	Skin corrosion/irritation – Category 1B
Skin Irrit. 2:	Skin corrosion/irritation – Category 2
Eye Dam. 1:	Serious eye damage/eye irritation – Category 1
Eye Irrit. 2A:	Serious eye damage/eye irritation – Category 2A
STOT SE 3:	Specific target organ toxicity (single exposure) – Category 3

Revision Summary Replaces Rev 4 issued on 05-June-2012. Complies with GHS OSHA requirements.

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