

**Safety Data Sheet
GYPSTRAY****Revision nr. 6
Dated 26/06/2023****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Mixture identification:
Product Name: GYPSTRAY
Code: C400441

1.2. Relevant identified uses of the substance or mixture and uses advised against

For professional use only. Detergent for dental stone removal.

1.3. Details of the supplier of the safety data sheet

Name
Zhermack S.p.a
Via Bovazecchino 100
45021 Badia Polesine (RO)
Italy
tel. +39 0425-597611
fax +39 0425-597689

Competent person responsible for the safety data sheet:
msds@zhermack.com

1.4. Emergency telephone number

UK Emergency number: 999 (24 hours)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

EC regulation criteria 1272/2008 (CLP)

Skin Irrit. 2, H315 Causes skin irritation.

Eye Dam. 1, H318 Causes serious eye damage.

STOT RE 2, H373 May cause damage to organs through prolonged or repeated exposure.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

P280 Wear protective gloves and eye/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/attention if you feel unwell.

Special Provisions:

None

Contains

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tetrasodium ethylene diamine tetraacetate
Disodium dihydrogen ethylenediaminetetraacetate

Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Not Applicable

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
$\geq 10\%$ - $< 12,5\%$	Disodium dihydrogen ethylenediaminetetraacetate	CAS: 139-33-3 EC: 205-358-3 REACH No.: 01-21194867 75-20-XXXX	STOT RE 2 H373 May cause damage to organs (Respiratory system) through prolonged or repeated exposure if inhaled. Acute Tox. 4 H332 Harmful if inhaled. ATE - Inhalation (Dust/mist) > 1 mg/l
$\geq 5\%$ - $< 8\%$	tetrasodium ethylene diamine tetraacetate	Index number: 607-428-00-2 CAS: 64-02-8 EC: 200-573-9 REACH No.: 01-21194867 62-27-XXXX	STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure. Acute Tox. 4 H302 Harmful if swallowed. Acute Tox. 4 H332 Harmful if inhaled. Eye Dam. 1 H318 Causes serious eye damage. Acute Toxicity Estimate: ATE - Oral 1780 mg/kg bw ATE - Inhalation (Dust/mist) 1,5 mg/l
$\geq 0,5\%$ - $< 2,5\%$	sodium hydroxide; caustic soda	Index number: 011-002-00-6 CAS: 1310-73-2 EC: 215-185-5 REACH No.: 01-21194578 92-27-XXXX	Met. Corr. 1 H290 May be corrosive to metals. Skin Corr. 1A H314 Causes severe skin burns and eye damage. Specific Concentration Limits: 2% \leq C $<$ 5%: Skin Corr. 1B H314 2% \leq C $<$ 5%: Skin Corr. 1C H314 0,5% \leq C $<$ 2%: Skin Irrit. 2 H315 C \geq 2%: Eye Dam. 1 H318 0,5% \leq C $<$ 2%: Eye Irrit. 2 H319

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>= 0,3% - < 0,5%	trisodium nitrilotriacetate	Index number: CAS: EC:	607-620-00-6 5064-31-3 225-768-6	Carc. 2 H351 Suspected of causing cancer. Acute Tox. 4 H302 Harmful if swallowed. Eye Irrit. 2 H319 Causes serious eye irritation. Specific Concentration Limits: C >= 5%: Carc. 2 H351 ATE - Oral 1750 mg/kg bw
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SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

None

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:
 Wear personal protection equipment.
 Remove persons to safety.
 See protective measures under point 7 and 8.
 For emergency responders:
 Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
 Retain contaminated washing water and dispose it.
 In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.
 Don't use empty container before they have been cleaned.
 Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
 See also section 8 for recommended protective equipment.
 Advice on general occupational hygiene:
 Contaminated clothing should be changed before entering eating areas.
 Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.
 Incompatible materials:
 See section 10.5.
 Instructions as regards storage premises:
 Adequately ventilated premises.

7.3. Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Disodium dihydrogen ethylenediaminetetraacetate - CAS: 139-33-3

OEL Type	TWA		Duratio n	STEL		Duratio n	Notes	Country
No data available								

tetrasodium ethylene diamine tetraacetate - CAS: 64-02-8

OEL Type	TWA		Duratio n	STEL		Duratio n	Notes	Country
No data available								

sodium hydroxide; caustic soda - CAS: 1310-73-2

OEL Type	TWA		Duratio	STEL		Duratio	Notes	Country
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VME/VLE	2 mg/m ³		n 8h	2 mg/m ³	n 15min	Inhalable	SWITZERLAND
AK	2 mg/m ³		8h	2 mg/m ³	15min		HUNGARY
GVI/KGVI				2 mg/m ³	15min		CROATIA
HTP				Ceiling 2 mg/m ³	15min		FINLAND
MAK	2 mg/m ³		8h	4 mg/m ³	15min	Inhalable	AUSTRIA
NDS/NDSch	0.5 mg/m ³		8h	1 mg/m ³	15min		POLAND
NGV/KGV	1 mg/m ³		8h	2 mg/m ³	15min	Inhalable	SWEDEN
NPEL	2 mg/m ³		8h			Inhalable	SLOVAKIA (Slovak Republic)
OELV				2 mg/m ³	15min		IRELAND
RD				Ceiling 2 mg/m ³	15min		LITHUANIA
RV	0.5 mg/m ³		8h				LATVIA
TLV	2 mg/m ³		8h				NORWAY
TLV	1 mg/m ³		8h	2 mg/m ³	15min		CZECH REPUBLIC
TLV				Ceiling 2 mg/m ³	15min		DENMARK
TLV	2 mg/m ³		8h				BULGARIA
TLV	2 mg/m ³		8h	2 mg/m ³	15min		GREECE
TLV-ACGIH				Ceiling 2 mg/m ³	15min		
VLEP	2 mg/m ³		8h				FRANCE
VLEP	2 mg/m ³		8h				BELGIUM
WEL				2 mg/m ³	15min		UNITED KINGDOM
VLA				2 mg/m ³	15min		SPAIN
MV	2 mg/m ³		8h	2 mg/m ³	15min		SLOVENIA
MAK	2 mg/m ³		8h	2 mg/m ³	15min	Inhalable	SWITZERLAND
ACGIH				Ceiling 2		URT, eye, and skin irr	

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				mg/m3				
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trisodium nitrilotriacetate - CAS: 5064-31-3

OEL Type	TWA		Duration	STEL		Duration	Notes	Country
No data available								

DNEL Exposure Limit Values

Disodium dihydrogen ethylenediaminetetraacetate - CAS: 139-33-3

Worker Professional: 2.5 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Professional: 2.5 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Professional: 2.5 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 2.5 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

tetrasodium ethylene diamine tetraacetate - CAS: 64-02-8

Worker Professional: 1.5 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 0.6 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 1.2 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Professional: 3 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Professional: 2.5 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 1.5 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 1.5 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Consumer: 2.5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Professional: 2.5 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

sodium hydroxide; caustic soda - CAS: 1310-73-2

Worker Professional: 1 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 1 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects

PNEC Exposure Limit Values

Disodium dihydrogen ethylenediaminetetraacetate - CAS: 139-33-3

Target: Soil (agricultural) - Value: 0.72 mg/kg

Target: Fresh Water - Value: 2.2 mg/l

Target: intermittent release - Value: 1.2 mg/l

Target: Marine water - Value: 0.22 mg/l

Target: Microorganisms in sewage treatments - Value: 42 mg/l

tetrasodium ethylene diamine tetraacetate - CAS: 64-02-8

Target: Soil (agricultural) - Value: 0.72 mg/kg

Target: Fresh Water - Value: 2.2 mg/l

Target: intermittent release - Value: 1.2 mg/l

Target: Marine water - Value: 0.22 mg/l

Target: Microorganisms in sewage treatments - Value: 43 mg/l

8.2. Exposure controls

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Precautionary measures:

Give adequate ventilation to the premises where the product is stored and/or handled.

Eye protection:

Wear airtight protective goggles (EN 166).

Protection for skin:

Wear professional overalls and safety footwear (EN 14605).

Protection for hands:

Protect hands with work gloves (EN 374).

The following should be considered when choosing work glove material (EN 374): compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered (e.g. TLV-TWA).

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Blue	--	--
Odour:	Characteristic	--	--
Melting point/freezing point:	Not available	--	--
Boiling point or initial boiling point and boiling range:	Not available	--	--
Flammability:	Not available	--	--
Lower and upper explosion limit:	Not available	--	--
Flash point:	Not available	--	--
Auto-ignition temperature:	Not Relevant	--	--
Decomposition temperature:	Not Relevant	--	--
pH:	Not available	--	--
Kinematic viscosity:	Not available	--	--
Solubility in water:	Soluble	--	--
Solubility in oil:	Not available	--	--
Partition coefficient n-octanol/water (log value):	Not Relevant	--	--
Vapour pressure:	Not available	--	--
Density and/or relative density:	1.3 g/cm ³	--	--
Relative vapour density:	Not available	--	--

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Particle characteristics:

Particle size:	Not available	--	--
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9.2. Other information

No other relevant information

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Toxicological information of the product:

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a) acute toxicity

Not classified

b) skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

c) serious eye damage/irritation

The product is classified: Eye Dam. 1 H318

d) respiratory or skin sensitisation

Not classified

e) germ cell mutagenicity

Not classified

f) carcinogenicity

Not classified

g) reproductive toxicity

Not classified

h) STOT-single exposure

Not classified

i) STOT-repeated exposure

The product is classified: STOT RE 2 H373

j) aspiration hazard

Not classified

Toxicological information of the main substances found in the product:

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Disodium dihydrogen ethylenediaminetetraacetate - CAS: 139-33-3

a) acute toxicity:

Test: LC50 - Route: Inhalation > 1 ml - Duration: ZHE_6H - Source: (OCSE 403, MSDS supplier).

Test: LD50 - Route: Oral > 2000 mg/kg - Source: (test BASF, MSDS supplier).

b) skin corrosion/irritation:

Species: Rabbit - Based on available data, the classification criteria are not met -

Source: (MSDS supplier).

c) serious eye damage/irritation:

Species: Rabbit - Based on available data, the classification criteria are not met -

Source: (MSDS supplier).

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Species: Guinea pig - Based on available data, the classification criteria are not met - Source: (OECD 406, MSDS supplier).

tetrasodium ethylene diamine tetraacetate - CAS: 64-02-8

a) acute toxicity

ATE - Oral 1780 mg/kg bw

ATE - Inhalation (Dust/mist) 1,5 mg/l

Test: LD50 - Route: Oral - Species: Rat > 1780 mg/kg - Source: (ECHA dossier).

Test: LC50 - Route: Inhalation Mist - Species: Rat > 1.5 mg/l - Source: Table 3.1.2, annex I -CLP

b) skin corrosion/irritation:

Species: Rabbit - Based on available data, the classification criteria are not met -

Source: (MSDS supplier).

c) serious eye damage/irritation:

Species: Rabbit - Eye Corrosive - Source: (MSDS supplier).

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Species: Guinea pig - Based on available data, the classification criteria are not met - Source: (OECD 406, MSDS supplier).

e) germ cell mutagenicity:

Test: In vitro - Negative - Source: (MSDS supplier).

Test: In vivo - Negative - Source: (MSDS supplier).

f) carcinogenicity:

Negative - Source: (MSDS supplier).

g) reproductive toxicity:

Negative - Source: (MSDS supplier).

i) STOT-repeated exposure:

Route: Inhalation - Positive - Source: (Target organ: respiratory system, MSDS supplier).

j) aspiration hazard:

Not applicable

sodium hydroxide; caustic soda - CAS: 1310-73-2

a) acute toxicity:

Not applicable

b) skin corrosion/irritation:

Skin Corrosive

c) serious eye damage/irritation:

Species: Rabbit - Eye Corrosive - Source: (OECD 405, ECHA dossier).

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Based on available data, the classification criteria are not met - Source: (patch test, ECHA dossier).

i) STOT-repeated exposure:

Not applicable

trisodium nitrilotriacetate - CAS: 5064-31-3

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg - Source: (ECHA dossier).

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- Test: LD50 - Route: Oral - Species: Rat 1750 mg/kg - Source: (similar OECD 401, ECHA dossier).
- b) skin corrosion/irritation:
Species: Rabbit - Based on available data, the classification criteria are not met - Source: (OECD 404, ECHA dossier).
- c) serious eye damage/irritation:
Species: Rabbit - Eye Irritant - Source: (OECD 405, ECHA dossier).
- d) respiratory or skin sensitisation:
Test: Skin Sensitization - Based on available data, the classification criteria are not met - Source: (OECD 406, ECHA dossier).
- e) germ cell mutagenicity:
Test: In vitro - Negative - Source: (OECD 471, Ames test, ECHA dossier).
- f) carcinogenicity:
Route: Oral - Species: Rat - Insufficient data - Source: (OECD 451, ECHA dossier).
- g) reproductive toxicity:
Route: Oral - Species: Rat - Negative - Source: (OECD 416, ECHA dossier).
- i) STOT-repeated exposure:
Route: Inhalation - Negative - Source: (ECHA dossier).

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information**12.1. Toxicity**

Adopt good working practices, so that the product is not released into the environment.
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Not classified for environmental hazards

Based on available data, the classification criteria are not met

Disodium dihydrogen ethylenediaminetetraacetate - CAS: 139-33-3

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48h (Daphnia magna, MSDS supplier).

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96h (Lepomis macrochirus, MSDS supplier).

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72h (Scenedesmus subspicatus, MSDS supplier).

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish > 36.9 mg/l - Duration h: 35d (OECD 210, Brachydanio rerio, MSDS supplier).

tetrasodium ethylene diamine tetraacetate - CAS: 64-02-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 121 mg/l - Duration h: 96h (publication, Lepomis macrochirus, ECHA dossier).

trisodium nitrilotriacetate - CAS: 5064-31-3

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 10 mg/l - Duration h: 48h (APHA (1971) 13th ed, Gammarus pseudolimnaeus, ECHA dossier).

Endpoint: IC50 - Species: Algae > 91.5 mg/l - Duration h: 72h (OECD 201, Desmodesmus subspicatus, ECHA dossier).

Endpoint: LC50 - Species: Fish > 10 mg/l - Duration h: 96h (APHA (1971)-13th ed, Pimephales promelas, ECHA dossier).

Endpoint: NOEC - Species: Fish > 10 mg/l (EPA OPP 72-5, Pimephales promelas, ECHA dossier).

12.2. Persistence and degradability

Disodium dihydrogen ethylenediaminetetraacetate - CAS: 139-33-3

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Biodegradability: Non-readily biodegradable
tetrasodium ethylene diamine tetraacetate - CAS: 64-02-8

Biodegradability: Non-readily biodegradable
trisodium nitrilotriacetate - CAS: 5064-31-3

Biodegradability: Readily biodegradable

12.3. Bioaccumulative potential

Not available

12.4. Mobility in soil

Not available

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration \geq 0.1%

12.7. Other adverse effects

None

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information**14.1. UN number or ID number**

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

Not available

14.3. Transport hazard class(es)

Not available

14.4. Packing group

Not available

14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

14.6. Special precautions for user

Not available

14.7. Maritime transport in bulk according to IMO instruments

Not Applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 2020/878

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

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Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restrictions related to the substances contained:

Restriction 75

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

Composition according to Annex VII.a of Reg. (EC) 648/2004:

15% = X < 30%: sodium salt of EDTA

WGK Classification (Water hazard class - Verwaltungsvorschrift wassergefährdende Stoffe)

WGK2 - Hazardous for water

Lagerklasse according to TRGS 510:

LGK 10: Combustible liquids

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

California Proposition 65

Substance(s) listed under California Proposition 65:

None.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

Disodium dihydrogen ethylenediaminetetraacetate

tetrasodium ethylene diamine tetraacetate

sodium hydroxide; caustic soda

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H351 Suspected of causing cancer.

Hazard class and hazard category	Code	Description
Met. Corr. 1	2.16/1	Substance or mixture corrosive to metals, Category 1

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Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Corr. 1C	3.2/1C	Skin corrosion, Category 1C
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Carc. 2	3.6/2	Carcinogenicity, Category 2
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2

This safety data sheet has been completely updated in compliance to Regulation 2020/878. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
STOT RE 2, H373	Calculation method

This document was prepared by a competent person who has received appropriate training. Main bibliographic sources:

- ECHA – European Chemical Agency
- GESTIS - Information system on hazardous substances of the German Social Accident Insurance
- IARC – International Agency for Research on Cancer
- IPCS INCHEM – International Programme on Chemical Safety
- ISS – Istituto Superiore di Sanità
- PubChem - open chemistry database at the National Institutes of Health (NIH)

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
- ATE: Acute Toxicity Estimate
- ATEmix: Acute toxicity Estimate (Mixtures)
- CAS: Chemical Abstracts Service (division of the American Chemical Society).
- CLP: Classification, Labeling, Packaging.
- DNEL: Derived No Effect Level.
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- GefStoffVO: Ordinance on Hazardous Substances, Germany.
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
- IATA: International Air Transport Association.
- IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

Safety Data Sheet
GYPSTRAY

ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.