

1) PRODUCT AND PRODUCER IDENTIFICATION

1.1 Product identifier: Desiccant bag “CONTAINER BAG” containing calcium chloride.
Description: Desiccant bag (Different sizes: 250 g – 500 g – 1000 g – 2000 g).
Use foreseen of the desiccant bag: Desiccant bag containing a hygroscopic desiccant mixture that absorbs moisture directly through the water vapour permeable envelope. Dry mixture is made of white flakes or pearl mixed with gray mineral.

Use not foreseen of the product: Desiccant bag used to remove moisture from the environment and to protect goods during the storage and transport.

The normal use of the desiccant bag does not foresee the manipulation of the material contained inside the bag. The desiccant bag can be placed on the floor of containers or on the floor of places where it is necessary to remove moisture. **The desiccant bag must not be opened during standard use, consequently the mixture is used in a closed process, no likelihood of exposure (PROC1).** For more information about the use see technical data sheet.

Based on the Reach Regulation, the uses identified for the product are:

Industrial use

Professional use

Use as desiccant

2) HEALTH HAZARD IDENTIFICATION

The mixture contained inside the “CONTAINER BAG” contains Calcium Chloride in concentration 10%-15% w/w but the user of the desiccant bag is not exposed to the calcium chloride because the desiccant mixture is contained inside the bag. The desiccant bag does not need to be open (foreseen use) because the wrapping material is permeable to the water vapour. If the desiccant bag is not opened by the user, direct exposure to Calcium Chloride is not possible.

When the desiccant bag is exhausted, it must be removed preferably with gloves. Avoid contact between dirty hands and eyes. In case of contact with the mixture (break of the desiccant bag), it is necessary to protect yourself from the irritant effects of the calcium chloride.

This Material Safety Data Sheet does not consider the use of the mixture in industrial plant because the desiccant bags are made and sold to be used without modifications. Levosil does not sell the mixture in bulk.

NOTE: Information provided by the manufacturer. The illustrations and specifications are correct and valid at the time of approval of this publication. Embamat reserves the right to introduce without notice or obligation modifications, as well as withdraw the models. The values have a tolerance of $\pm 4\%$.

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Classification of the mixture :

Causes serious eye irritation.

Eye irrit. 2 ; H319.

Label elements :

Hazard pictogram (exclamation mark GHS 07)



Signal word : Warning

Hazard statements :

H319 causes serious eye irritation

Precaution statements :

P264: Wash the exposed skin thoroughly after handling

P280: wear protective gloves / protective clothing/ eye protection / 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.

P337 + P313: If eye irritation persists: get medical advice / attention.

2.3 Other hazards :

None.

3) COMPOSITION / INFORMATION ON COMPONENTS

3.1 Substances:

Chemical characterization:

Mixture of mineral product and Calcium Chloride.

The natural mineral product is not dangerous, it is not chemically modified , so it is not necessary to register the product in accordance with article 2 (7)(b), (see Annex V of the Regulations 1907/2006 (REACH) in Section 7).

Calcium Chloride: Registration number:01-2119494219-28-xxxx;cas nr: 10043-52-4; nr CE:233-140-8;nr index :017-013-00-2.

Calcium chloride concentration : 10- 15% w/w.

The mixture does not contain substances in the annex XIV of the Reach regulations

The mixture does not contain substances in the annex XVII of the Reach regulations

The mixture does not contain substances in agreement with the article 57 paragraph 1.

4) FIRST AID MEASURES

4.1 Description of first aid measures (in case of direct contact with the mixture).

Measures correlated to the direct contact with the mixture contained in the bag.

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The desiccant bag must not be opened during standard use, consequently the mixture is used in a closed process, no likelihood of exposure (PROC1).

General: In all cases of doubt , or when sintoms persist , seek medical attention.

After inhalation: Remove from the danger zone, move to ventilate place; If symptoms of malaise appear seek medical assistance. Provide fresh air. Seek medical treatment in case of trubles.

After skin contact: Flush away with water and rinse. Change clothes if necessary. If irritation persist or tissue damage occurs, consult a physician.

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

After ingestion: never give anything by mouth to an unconscious person. Rinse the mouth.

4.2 Most important symptoms and effects, both acute and delayed.: None known.

4.3 Indication of any immediate medical attention and special treatment needed. : none.

5) FIREFIGHTING MEASURES

5.1 Extinguishing media: The product is not combustible. Use fire-extinguish media appropriate for surrounding materials.

5.2 Special hazards arising from the substances mixture: Hydrochloric acid gas.

5.3 Advice for firefighters: In case of fire do not breathe fumes. Appropriate breathing apparatus may be required.

6) ACCIDENTAL RELEASE MEASURES.

The break of a singular desiccant bag causes the release of a limited quantity of mixture easily managed by the users without specific garments. In case of a releasing of big quantity of mixture follow the point below:

6.1 Personal precautions, protective equipment and emergency procedures.

Wear protection gloves, clothes, glasses, boots and respiratory apparatus. Refer to protective measures listed in section 7 and Avoid the creation of dust. Gather to avoid he danger slipping.

6.2 Environment precautions: do not allow uncontrolled discharge of the environment.

6.3 Methods and material for containment and cleaning up: In case of solid product, avoid the dust release. In case of liquid, limit and adsorb the spill with inert adsorbing material (like sand or vericulite). Put the resultant material in adequate packaging and send to an authorized plant for disposal. Collect the spread product, and wash with water area and materials . Recove the water used and send to an authorized plant for disposal.

6.4 Reference to other sedctions: None.

7) HANDLING AND STORAGE

7.1 Precaution for safe handling: use with good manufacturing practice and with correct protection devices. Handle with gloves the desiccant bags with hook (to avoid abrasions of the skin).

7.2 Conditions for safe storage, including any incompatibilities: Store in cool dry place. Desiccant bags are used to absorb moisture from environment, consequently store them hermetically closed in the original packaging (to avoid to lose in performance).

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7.3 Specific uses: The desiccant bag is made with wrapping material permeable to the water vapour consequently the workers must not open the bags during the use, for this reason the worker cannot be in direct contact with the contained mixture if the bag is used correctly.

In case of contact with the dust of the mixture (active mixture) or the wetted mixture (exhausted mixture) avoid eyes and skin contact.

Wash your hands after the manipulation of the exhausted bag, avoid the contact between eyes and dirty hands.

Avoid contact with ferrous because calcium chloride can cause corrosion.

8) EXPOSURE CONTROL / PERSONAL PROTECTION

The desiccant mixture "CONTAINER BAG" contains calcium chloride in granular form mixed with mineral product, the material is packed for use as desiccant bag. The wrapping material is dust proof, therefore, no significant exposure to calcium Chloride dust is possible under normal use of this product.

8.1 Components with limit values to be checked:

CALCIUM CHLORIDE CAS NR 10043-52-4		
SPECIFICATION	PARAMETER	VALUE
DNEL (EC)	Local effects – Short term Inhalation workers.	10 mg/m3
DNEL (EC)	Local effects – Long term Inhalation workers	5 mg/m3
DNEL (EC)	Local effects – Short term Inhalation population.	5 mg/m3
DNEL (EC)	Local effects – Long term Inhalation population.	2,5 mg/m3
TLV/TWA(EC)		10 mg/m3

The sepiolite may contain impurities such as quartz. The exposure limit ACGIH TLV-TWA for the respirable fraction is 0.05 mg/m3 in 8 hours. It is not expected to issue dust of these chemicals by the bag (see point 2).

8.2 Exposure control:

Personal protective equipment:

General protective and hygiene measures: Do not eat or drink during work – no smoking.

Respiratory protection: in case of dusting (in case of releasing of big quantities or when are necessary to collect big quantities of product), use anti-dust mask with P2 cartridge .

Hand protection: use protective gloves (PVC or rubber) only in case of direct use of the mixture or when the desiccant bag is exhausted and wetted on the surface.

Eyes protection: Not necessary in case of manipulation of the desiccant bag.
use protective glasses only in case of direct manipulation of the mixture (not foreseen use).

Body protection: Not necessary in case of manipulation of the desiccant bag.

Additional information about engineering measures: In case of releasing of big quantities or when is necessary to collect big quantities of product, provide adequate ventilation.

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9) PHYSICAL AND CHEMICAL PROPERTIES

Data are referred to the Calcium Chloride, the mineral "sepiolite", component of the mixture, is chemically inert, insoluble in water, not combustible.

9.1) Relevant safety data for calcium chloride:

Aspect:	solid, pearl or flake form.
Colour:	Calcium chloride: white colour .
Mineral :	gray colour
pH:	9 – 10,5 (Calcium Chloride 1013 Hpa).
Odour:	odourless.
Melting point:	775°C (calcium chloride).
Boiling point:	> 1600°C
Decomposition temperature:	no data available
Sublimation temperature:	no data available

The nonwoven fabric used in the manufacture of the bag melts at temperatures below 200 ° C

Self flammability:	not applicable
Flash point:	not applicable (study scientifically unjustified)
flammability:	not flammable
lower explosion limit:	not applicable.
upper explosion limit:	not applicable.
Explosive properties:	product is not explosive
Vapour pressure:	(20°) negligible.
Specific gravity:	(25°) 1,85 g/cm3
Bulk density:	(20°) 800 - 900 g/l.
Water solubility:	(20°) 745 g/l (calcium chloride).
Soluble in :	Alcohol and acetone.
Log pow:	(20°) not applicable
Viscosity:	not applicable.
Evaporation rate	not applicable
oxidazing properties:	not oxidising.

9.2 Other information: the product absorbs moisture from environment increasing its weight.

10) STABILITY AND REACTIVITY .

10.1 Reactivity:	reaction with oxidizing agents possible.
10.2 Chemical stability:	Stable under recommended storage and handling conditions (see section 7)
10.3 Possibility of azardous reactions:	It reacts with water (It dissolves in water) creating heat.
10.4 Conditions to avoid:	none if prescribed handling and storage are followed (protect against moisture and water.
10.5 Incompatibles materials:	oxidazing agents and strong reducing agents. Avoid contact with ferrous materials because calcium chloride can cause corrosion.
10.6 Hazardous decomposition products:	Hydrocloric acid gas.

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11) TOXICOLOGICAL INFORMATION

The product could be harmful for human health

Primary irritant effect: Eye irritation (OECD 405) : Irritant (determined on rabbit eyes).

Sensitization: Does not cause sensitization.

Cancerogenic and mutagenic effects , risks to reproduction: The substance proved not to be mutagenic in bacteria.

Further information: Product showed irritating effect at animal experiments.

Calcium chloride: The contact with eyes can cause irritation.

Inhalation of dust may cause moderate irritation of the respiratory tract.

Contact with skin may cause slight irritation.

Ingestion may cause health problems, including stomach pain and heartburn, nausea, vomiting .

Toxicity (Calcium Chloride) :

Acute Toxicity	Limit	Order
Oral (Calcium Chloride)	LD 50 : 2301 mg/Kg	Rat
Dermal (Calcium Chloride)	LD 50 : >5000 mg/Kg	Rabbit

12) ECOLOGICAL INFORMATION

The mixture is not dangerous for the environment, avoid to release the material in the environment.

Calcium chloride is soluble in water.

12.1 Aquatic toxicity (Calcium Chloride):

Aquatic toxicity	Limit	Test Species
Daphnia EC50	610 mg/l – 21 giorni	Daphnia magna
Alga EC50	2900 (72 ore)	Pseudokirchneriella subcapitata
Pesce LC50	4630 mg/l (96 h)	Pimephales promelas
Daphnia LC50	2400 mg/l – (48 h)	Daphnia magna

12.2 Persistence and degradability: there are no data available on the product itself.

12.3 Bioaccumulative potential : There is no foreseeable potential bioaccumulation

12.4 Mobility in soil: there are no data available on the product itself.

12.5 Results of PBT and vPvB assessment: This mixture does not contain a substance called PBT and vPvB

12.6 Other adverse effects: There are no data available on the product itself.

The mineral product (component of the mixture) is not dangerous for the environment or for the water.

13) DISPOSAL INFORMATION

warning: Observance to the local regulations.

code CER: The users must establish the European Waste code. Considering that the spent mixture contains less than 10% calcium chloride, the spent bag is a special NOT dangerous waste.

Possible CER codes could be 150203 (consider as an absorbent material... .absorb moisture), or consider as a packaging waste, the CER code could be 150106.

Contaminated package: Not recyclable

14. TRANSPORT INFORMATION

Not a dangerous good as defined by the following regulations :

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- 14.1 UN number: The product does not constitute a hazardous substance in national / international road, rail, sea and air transports.
- 14.2 UN proper shipping name: The product does not constitute a hazardous substance in national / international road, rail, sea and air transports.
- 14.3 Transport hazard class: The product does not constitute a hazardous substance in national / international road, rail, sea and air transports.
- 14.4 Packing group: The product does not constitute a hazardous substance in national / international road, rail, sea and air transports.
- 14.5 Environmental hazards: The product does not constitute a hazardous substance in national / international road, rail, sea and air transports.
- 14.6 Special precautions for users: None.

15) REGULATORY INFORMATION:

15.1 Safety, health and environmental regulations / legislation specific for the substances or mixture.

Italian Decree 81/2008 (Consolidated Law on the protection of health and safety in the workplace), as amended, and Directive 2009/161 / EU - chemical risk assessment in accordance with Title IX.

Water pollution classification: classification according to VwVwS.

International Regulations: Regulation n ° 1907/2006 / EC / Reach)

Regulation n ° 1272/2008 / EC (CLP)

Regulation n ° 286/2011 / EC (adapting ATP Regulation 1272/2008)

Reach regulation: The preparation does not include substances in Annex XIV (substances subject to authorization).

The preparation does not include substances in Annex XVII (Restricted substances).

The preparation does not include substances that meet the criteria of Article 57 paragraph 1 (the mixture does not contain SVHCs)

15.2 Chemical safety assessment: For the hazardous substance in the preparation was carried out a risk assessment.

16. OTHER INFORMATION

REACH REGULATION 1907/2006:

The natural mineral product is not modified , so it is not necessary to register the product in accordance with article 2 (7)(b), (see Annex V of the Regulations 1907/2006 (REACH) in Section 7).

The mixture does not contain substances SVHC.

These data are based on our present knowledge and experiences, they are not considered exhaustive. These information cannot be considered as a specification on the product or as a warranty on any of its particular characteristics. No liability can be accepted for losses, accidents or damages resulting from the use of these information.

Direttive di riferimento / Directive reference / Directives appliqués / Richtlinie:

91/155 /CEE, 93/112/CEE, 2001/118 / CEE, 1999/45/ CEE, 67/548/ CEE/ REACH REGULATION 1907/2006

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POISON CENTER EUROPE:

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MSDS 5
CE MATERIAL SAFETY DATA SHEET
Date: 03/01/2022 Rev: A2
Product: CONTAINER BAG .



Austria Name of poison centre: Vergiftungsinformationszentrale (Poisons Information Centre) Address: Allgemeines Krankenhaus Waehringer Geurtel 18-20 City: Vienna Telephone: +43 1 40 400 2222 Fax: +43 1 40 400 42 25 Emergency telephone: +43 1 406 43 43 E-mail address: viz@meduniwien.ac.at Website: www.giftinfo.org Hours of operation: 24hrs .

Belgium Name of poison centre: Centre Antipoisons-Antigifcentrum Address: c/o Hôpital Militaire Reine Astrid Rue Bruyn City: Brussels Telephone: +32 2 264 96 36 Fax: +32 2 264 96 46 Emergency telephone: +32 70 245 245 E-mail address: info@poisoncentre.be Website: www.poisoncentre.be Hours of operation: 24hrs .

Bulgaria Name of poison centre: National Toxicological Information Centre at National Clinical Toxicology Centre Address: Emergency Medicine Institute 'Pirogov' 21 Tottleben Boulevard City: Sofia Telephone: +359 2 9154 409/+359 2 9154 234 Fax: +359 2 9154 409 Emergency telephone: +359 2 9154 378/+359 887 435 325 E-mail address: poison_centre@mail.orbitel.bg Website: www.pirogov.bg Hours of operation: 24hrs .

Croatia Name of poison centre: Poison Control Centre Zagreb Address: 2 Ksaverska Rd. City: Zagreb Telephone: +385 4673 188/182 Fax: +385 1 2348 385 Emergency telephone: +358 1 2348 342 E-mail address: rturk@imi.hr Website: www.imi.hr Hours of operation: 24hrs.

Czech Republic Name of poison centre: Toxicological Information Centre Address: Na Bojisti 1 City: Prague Telephone: +420 224 964 532 Fax: +420 224 964 629 Emergency telephone: +420 22 49 192 93 E-mail address: daniela.pelcova@LF1.cuni.cz Website: www.tis-cz.cz Hours of operation: 24hrs.

Denmark Name of poison centre: Poison Information Center Address: Bispebjerg Hospital Bispebjerg Bakke 23, 60, 1 City: Copenhagen Telephone: +45 35 31 55 55 Fax: +45 35 31 54 08 Emergency telephone: +45 82 12 12 12 E-mail address: PIC@bbh.regionh.dk Website: www.giftlinjen.dk Hours of operation: 24hrs .

Estonia Name of poison centre: Estonian Poison Information Centre Address: Gonsiori 29 City: Tallinn Telephone: +372 62 69 379 Fax: +372 62 69 371 Emergency telephone: 16662 E-mail address: info@16662.ee Website: www.16662.ee .

Finland Name of poison centre: Finnish Poison Information Centre Address: Tukholmankatu 17 City: Helsinki Telephone: +358 9 471 977 Fax: +358 9 747 02 Emergency telephone: +358 9 471977 E-mail address: myrkytys@hus.fi Website: www.myrkytystietokeskus.fi Hours of operation: 24hrs.

France Name of poison centre: Centre Antipoison et de Toxicovigilance de Angers Address: 4 Rue Larrey City: Angers Telephone: +33 2 41 35 33 30 Fax: +33 2 41 35 55 07 Emergency telephone: +33 2 41 48 21 21 E-mail address: centre-antipoison@chu-angers.fr Website: www.chuangers.fr/?IDINFO=64582&PARAM=BPRINT_1#S64582N3 Hours of operation: 24hrs .

France Name of poison centre: Centre Antipoison (Bordeaux) Address: Hôpital Pellegrin-Tripode Place Amelie Raba-Leon City: Bordeaux Telephone: +33 5 5679 8776 Fax: +33 5 5679 6096 Emergency telephone: +33 5 5696 4080 E-mail address: centre-antipoison@chu-bordeaux.fr Website: www.centres-antipoison.net Hours of operation: 24hrs .

France Name of poison centre: Centre Antipoison de Lille Address: 5 avenue Oscar Lambret, CHRU City: Lille Telephone: +33 320 44 47 99 Fax: +33 320 44 56 28 Emergency telephone: +33 320 44 44 44 E-mail address: cap@chru-lille.fr Website: www.chru-lille.fr/cap/lille.htm Hours of operation: 24hrs .

France Name of poison centre: Centre Antipoison de Lyon Address: 162 Avenue Lacassagne City: Lyon Telephone: +33 4 72 11 94 11 Fax: +33 4 72 11 69 85 Emergency telephone: +33 4 72 11 69 11 E-mail address: Website: www.informtox.fr Hours of operation: 24hrs .

France Name of poison centre: Centre Antipoison de Marseille Address: Hôpital Salvator 249 Boulevard Sainte Marguerite City: Marseille Telephone: +33 491 75 25 25 Fax: +33 491 74 41 68 Emergency telephone: +33 491 75 25 25 E-mail address: cap-mrs@ap-hm.fr.

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France Name of poison centre: Centre antipoison et de toxicovigilance de Paris Address: Hôpital Fernand Widai 200 rue du Faubourg St Denis City: Paris Telephone: +33 1 40 05 43 28 Fax: +33 1 40 05 41 93 Emergency telephone: +33 1 40 05 48 48 E-mail address: cap.paris@lrb.aphp.fr Website: www.centres-antipoison.net.

France Name of poison centre: Centre Antipoison et de Toxicovigilance de Rennes Address: CHRU, Hôpital Pontchaillou Pavillon Clemenceau 2 rue Henri-le-Guilloux City: Rennes Telephone: +33 2 99 28 42 22 Fax: +33 2 99 28 42 30 Emergency telephone: +33 2 99 59 22 22 E-mail address: centre.antipoison@chu-rennes.fr Website: www.centres-antipoison.net

France Name of poison centre: Centre Antipoison et de Toxicovigilance de Strasbourg Address: Nouvel Hopital Civil City: Strasbourg Telephone: +33 3 69 55 05 67 Fax: +33 3 69 55 18 99 Emergency telephone: +33 3 883 73 737 E-mail address: captv-strasbourg-alerte@chru-strasbourg.fr

France Name of poison centre: Centre Antipoison et de Toxicovigilance de Toulouse Address: Hôpital Purpan Place du Docteur Baylac City: Toulouse Telephone: +33 5 61 77 24 87 Fax: +33 5 61 77 25 72 Emergency telephone: +33 5 61 77 74 47 E-mail address: cabot.c@chu-toulouse.fr Website: www.centres-antipoison.net Hours of operation: 24hrs

Germany Name of poison centre: Clinical Toxicology and Berlin Poison Information Centre Address: Institute of Toxicology Oranienburger Str 285 City: Berlin Telephone: +49 30 3068 6711 Fax: +49 30 3068 6799 Emergency telephone: +49 30 192 40 E-mail address: mail@giftnotruf.de Website: www.giftnotruf.de

Germany Name of poison centre: Poison Center Bonn Address: Adenauerallee 119 City: Bonn Telephone: +49 228 287 332 11 Fax: +49 228 287 332 11 Emergency telephone: +49 228 192 40 E-mail address: gizbn@ukb.uni-bonn.de Website: www.giftzentrale-bonn.de Hours of operation: 24hrs

Germany Name of poison centre: Poisons Information Centre Erfurt Address: c/o HELIOS Klinikum Erfurt Nrodhauser Strasse 74 City: Erfurt Telephone: +49 361 730 73 24 Fax: +49 361 730 73 17 Emergency telephone: +49 361 730 730 E-mail address: ggiz@ggiz-erfurt.de Website: www.ggiz-erfurt.de

Germany Name of poison centre: Poisons Information Centre (Vergiftungs-Informationen-Zentrale) Address: University Hospital Freiburg Centre for Paediatrics and Adolescent Medicine Mathildenstr. 1 City: Freiburg Telephone: +49 761 270 43 60 Fax: +49 761 270 44 57 Emergency telephone: +49 761 192 40 E-mail address: giftinfo@uniklinik-freiburg.de Website: www.giftberatung.de

Germany Name of poison centre: GIZ-Nord Poisons Centre Address: Robert-Koch-Str. 40 City: Goettingen Telephone: +49 551 383 180 Fax: +49 551 383 1881 Emergency telephone: +49 551 192 40 E-mail address: giznord@giz-nord.de Website: www.giz-nord.de

Germany Name of poison centre: Informations und Behandlungszentrum für Vergiftungen Address: Klinik für Allgemeine Pädiatrie und Neonatologie Universitätsklinikum des Saarlandes Kirrberger Straße Gebäude 9 City: Homburg (Saar) Telephone: +49 6841 162 8436 Fax: +49 6841 162 1109 Emergency telephone: +49 6841 192 40 E-mail address: giftberatung@uniklinikum-saarland.de Website: www.uniklinikum-saarland.de/giftzentrale

Germany Name of poison centre: Giftinformationszentrum Mainz Address: Langenbeckstr. 1 Bau 605 Intensiv Station City: Mainz Telephone: Fax: +49 613 123 2468 Emergency telephone: +49 6131 192 40 E-mail address: mail@giftinfo.uni-mainz.de Website: www.giftinfo.uni-mainz.de/

Germany Name of poison centre: Giftnotruf München Address: Toxikologische Abteilung der II Medizinischen Klinik rechts der Isar der TU Ismaninger Str. 22 City: Munich Telephone: +49 89 4140 2466 Fax: +49 89 4140 2467 Emergency telephone: +49 89 192 40 E-mail address: tox@lrz.tum.de Website: www.toxinfo.org

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Germany Name of poison centre: Giftinformationszentrale Nürnberg Address: Medizinische Klinik 1 Klinikum Nürnberg Prof.-Ernst-Nathan-Str. 1 City: Nürnberg Telephone: +49 911 398 2451 Fax: +49 911 398 2192 Emergency telephone: E-mail address: giftnotruf@klinikum-nuernberg.de Website:

Greece Name of poison centre: Poisons Information Centre Address: Children's Hospital 'Aglaia Kyriakou' City: Athens Telephone: +30 21 07 79 37 77 Fax: +30 21 07 48 61 14 Emergency telephone: +30 21 07 79 37 77 E-mail address: poison-ic@aglaiakyriakou.gr Website:

Hungary Name of poison centre: Health Toxicological Information Service Address: H-1096 Budapest Nagyváradi tér 2 City: Budapest Telephone: +36 1 476 11 38 Fax: +36 1 476 11 38 Emergency telephone: +36 80 20 11 99 E-mail address: ettsz@okbi.antsz.hu Website: www.okbi.hu

Iceland Name of poison centre: Iceland Poison Information Centre Address: Landspítali University Hospital Fossvogi City: Reykjavik Telephone: +354 543 8223 Fax: +354 543 2015 Emergency telephone: +354 543 22 22 E-mail address: eitur@landspitali.is Website:

Ireland Name of poison centre: Poisons Information Centre of Ireland Address: Beaumont Hospital PO Box 1297 Beaumont Road City: Dublin Telephone: +353 1 809 25 66 Fax: +353 1 836 84 76 Emergency telephone: +353 1 837 9964 (medical professionals) +353 1 809 2166 (public) E-mail address: npicdublin@beaumont.ie Website: www.poisons.ie .

Norway Name of poison centre: Department for Poisons Information Address: Norwegian Directorate of Health St. Olavs plass City: Oslo Telephone: +47 22 59 13 14 Fax: +47 22 60 85 75 Emergency telephone: +47 22 59 13 00 E-mail address: postmottak.giftinfo@helsedir.no Website: www.giftinfo.no

Poland Name of poison centre: Pomerania Center of Toxicology Address: Kartuska 4/6 Ospedale San Martino City: Gdansk Telephone: +48 58 682 19 39 Fax: +48 58 682 19 39 Emergency telephone: +48 58 682 04 04 E-mail address: pctox@pctox.pl Website: www.pctox.pl

Poland Name of poison centre: O?rodek Informacji Toksykologicznej Address: Jagellonian University Medical College ul. ?niadeckich 10 City: Krakow Telephone: +48 12 646 87 06 Fax: +48 12 646 89 05 Emergency telephone: +48 12 411 99 99 E-mail address: oit@cm-uj.krakow.pl Website: www.oit.cm-uj.krakow.pl

Poland Name of poison centre: National Poisons Information Centre Address: The Nofer Institute of Occupational Medicine ul. Teresy 8 City: Łódź Telephone: +48 42 63 14 724 Fax: +48 42 63 14 725 Emergency telephone: +48 42 63 14 724 E-mail address: kotwica@imp.lodz.pl Website:

Poland Name of poison centre: Regional Poison Control Centre Address: Instytut Medycyny Pracy i Zdrowia Środowiskowego Koscielna 13 City: Sosnowiec Telephone: +48 322 660 885 Fax: +48 32 266 11 45 Emergency telephone: +48 32 266 11 45 E-mail address: ooz@imp.sosnowiec.pl Website: www.imp.sosnowiec.pl

Poland Name of poison centre: Warsaw Poison Information and Control Centre Address: Al. Solidarnosci 67 City: Warszawa Telephone: +48 22 618 77 10 Fax: +48 22 618 77 10 Emergency telephone: +48 22 619 66 54 E-mail address: oit.warszawa@praski.waw.pl Website:

Poland Name of poison centre: Lower Silesian Poisons and Toxicological Information Centre Address: Acute Poisonings Unit (Oddział Ostrego Zatrucia) SPZOZ Dolnoslaski Szpital Specjalistyczny ul. Marciniaka ul. Traugutta 116 City: Wrocław Telephone: +48 71 343 30 08 Fax: +48 71 343 6747 Emergency telephone: +48 71 343 30 08 E-mail address: ooz.ww@interia.pl Website:

Portugal Name of poison centre: CIAV - Centro de Informações Antivenenos Address: Rua Almirante Barroso, 36 City: Lisbon Telephone: +351 213 303 271 Fax: +351 213 303 275 Emergency telephone: 808 250 143 E-mail address: ciav.tox@inem.pt Website: www.inem.pt

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Romania Name of poison centre: TOXAPEL - Paediatric Poison Centre Address: Emergency Clinical Hospital for Children Grigore Alexandrescu Boulevard Iancu de Hunedoara 30-32 City: Bucharest Telephone: +402 1 210 6282 /+402 1 210 6183 Fax: Emergency telephone: +402 212 106 282 E-mail address: underconstruction .

Russian Federation Name of poison centre: Saint-Petersburg Center of Treatment of Poisonings Address: Budapeshtskaia st. 3 City: Saint-Petersburg Telephone: +7 921 313 4620 Fax: +7 921 313 46 20 Emergency telephone: +7 921 757 3228 E-mail address: cltox@emergency.spb.ru Website: www.emergency.spb.ru

Serbia Name of poison centre: National Poison Control Centre Address: Military Medical Academy Vonomedicinska Akademija Crnotravska 17 City: Belgrade Telephone: +381 11 3672 187 Fax: +381 11 3672 187 Emergency telephone: +381 11 3608 440 E-mail address: ncktvma@eunet.rs

Slovakia Name of poison centre: National Toxicological Information Center Address: University Hospital Bratislava Limbova 5 City: Bratislava Telephone: +421 2 54 772 307 Fax: +421 2 54 774 605 Emergency telephone: +421 2 54 774 166 E-mail address: ntic@ntic.sk Website: www.ntic.sk

Slovenia Name of poison centre: Poison Control Centre Ljubljana Address: University Medical Centre Ljubljana Zaloska cesta 7 City: Ljubljana Telephone: +386 1 434 7645 Fax: +386 1 434 76 46 Emergency telephone: +386 41 635 500 E-mail address: martin.mozina@kclj.si Website: www.zastrupitve.net .

Spain Name of poison centre: Instituto Nacional de Toxicologia Address: Jose Echegaray nº 4 Las Rozas City: Madrid Telephone: +34 917 689 800 Fax: +34 9 176 888 49 Emergency telephone: +34 156 20420 E-mail address: sit.medicos@mju.es Website: www.mju/toxicologia

Sweden Name of poison centre: Giftinformationscentralen (Swedish Poisons Information Centre) Address: Karolinska Hospital City: Stockholm Telephone: +46 8 610 05 00 Fax: +46 8 32 75 84 Emergency telephone: +46 8 33 12 31 / 112 E-mail address: giftinformation@apoteket.se Website: www.giftinformation.se

Switzerland Name of poison centre: Swiss Toxicological Information Centre Address: Freiestrasse 16 City: Zurich Telephone: +41 44 251 66 66 Fax: +41 44 252 88 33 Emergency telephone: +41 44 251 51 51 (in Switzerland dial 145) E-mail address: info@toxi.ch Website: www.toxi.ch

The Former Yugoslav Republic of Macedonia Name of poison centre: National Control and Information Center for Poisonings Address: Vodnjanska 17 City: Skopje Telephone: +38 923 237 504 Fax: +38 923 237 504 Emergency telephone: +38 923 147 635 E-mail address: contact@toxicocenter.com.mk Website: toxicocenter.com.mk

The Netherlands Name of poison centre: National Poisons Information Centre, The Netherlands Address: University Medical Centre Utrecht Postbus 85500 City: Utrecht Telephone: +31 88 755 85 61 Fax: +31 30 254 15 11 Emergency telephone: +31 30 274 88 88 E-mail address: nvic@umcutrecht.nl Website: www.vergiftigen.info

Turkey Name of poison centre: Toxicology Department and Poisons Centre Address: Refik Saydam Central Institute of Hygiene Cemal Gürsel Cad No. 18 Sıhhiye City: Ankara Telephone: +90 0312 433 70 07 Fax: +90 0312 433 70 00 Emergency telephone: +90 0312 433 70 01 or 0 800 314 7900 E-mail address: zehir@saglik.gov.tr Website: <http://www.rshm.gov.tr/en/>

UK Name of poison centre: Regional Medicines and Poisons Information Centre NI Address: Pharmacy Department Royal Hospital Suite Grosvenor Road City: Belfast Telephone: +44 28 90 63 2032 Fax: +44 28 90 24 80 30 Emergency telephone: 844 892 0111 E-mail address: nirdic.nirdic@belfasttrust.hscni.net Website:

UK Name of poison centre: National Poisons Information Service (Birmingham Unit) Address: City Hospital Dudley Rd City: Birmingham Telephone: +44 121 507 4123 Fax: +44 121 507 55 88 Emergency telephone: 844 892 0111 E-mail address: mail@npis.org Website:

UK Name of poison centre: National Poisons Information Service Edinburgh Address: Scottish Poisons Information Bureau Royal Infirmary 51 Little France Crescent City: Edinburgh Telephone: +44 131 242 1383 Fax: +44 131 242 13 87 Emergency telephone: 844 892 0111 E-mail address: spib@luht.scot.nhs.uk Website: www.spib.scot.nhs.uk

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Date: 03/01/2022 Rev: A2
Product: CONTAINER BAG .



UK Name of poison centre: National Poisons Information Service (Newcastle Unit) Address: Wolfson Unit Claremont Place
City: Newcastle Upon Tyne Telephone: +44 191 2606182/+44 191 2606180 Fax: +44 191 260 6192/+44 191 282 02 88
Emergency telephone: E-mail address: newcastlenpis@nuth.nhs.uk Website:
www.nyrdtc.nhs.uk/Services/poisons/poisons.html

UK Name of poison centre: National Poisons Information Service (Cardiff) Address: University Hospital Llandough Penlan
Road City: Penarth Telephone: +44 292 071 55 54 Fax: +44 292 070 4357 Emergency telephone: 844 892 0111 E-mail
address: poisons.information@cardiffandvale.wales.nhs.uk Website: www.ttccardiff.co.uk Hours of operation: 24hrs Available
to the public: No .

Main groups of users: SU3: Industrial use: Use of substances as such or in preparation at industrial sites (industrial packaging of any product / item that needs to be protected from moisture) SU 22: Professional use (industrial packaging of any product / item that needs to be protected from moisture) SU0: use as a dehydrating agent packaged in the form of desiccant bag.	
Chemical Product Category	PC2: Adsorbent (It adsorbs water vapor in the environment protecting the goods from moisture damage).
Process Category:	PROC 1 - Use of substances in high integrity contained system where little potential exists for exposure. (The desiccant bag is permeable to water vapor and should not be opened by the user, therefore the mixture chemical works in a "system high integrity contained").
Category Environmental Release	ERC7: Industrial use of substances in closed systems. ERC11a, Wide dispersive indoor use of articles and durable materials with low release. (The mixture is enclosed inside the bag desiccant breathable, which absorbs the ambient humidity to saturation. At the end of life desiccant bag as it is disposed of according to law). Therefore they provide low emissions via waste water and air.
Article category	AC5 or AC13 (since the outer casing of the desiccant bag is made from non-woven fabric composed of plastic fibers)
Functional Category	Adsorbent. / desiccant agent

1	SHORT TITLE OF EXPOSURE SCENARIO Use as a desiccant bag.
2	PROCESS AND ACTIVITIES DESCRIBED IN THE EXPOSURE SCENARIO Desiccant bag must be used as such without being opened. The bag is removed from the original packaging and placed

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	in the position where it has to remove the ambient humidity (eg packaging of goods). When the bag is saturated of moisture it is removed and disposed of by the user. Throughout the process the user is never in contact with the contents of the bag except in case of accidental rupture of the casing due to tears or chafing against materials with which it came in contact bag.
OPERATING CONDITIONS	
3	DURATION AND FREQUENCY OF USE Day 365 days / year, 8 hours a day.
4.1	PHYSICAL FORM OF SUBSTANCE MIXTURE The mixture is solid granular when active, and granular wetted when exhausted. In both forms, the mixture is not in contact with the user because the envelope of the bag is permeable to water vapor but impermeable to the wetted mixture.
4.2	CONCENTRATION OF MIXTURE IN THE ARTICLE. Inside the bag about 15% of the mixture is constituted by calcium chloride, the rest of the formulation is free of hazard.
4.3	QUANTITY USED FOR TIME OR ACTIVITIES Dependent on the amount of moisture to be removed from the environment / packaging. It can be assumed that an employee can use 1 tonne per day of desiccant bags.
5	ALTRE CONOTHER OPERATING CONDITIONS OF USE APPLY when exhausted the content of the desiccant bag is wetted. It is recommended to remove the bag using latex gloves to avoid contact with calcium chloride accidentally released from the bag when damaged .
MEASURES OF RISK MANAGEMENT	
6.1	MEASURES OF RISK MANAGEMENT FOR HUMAN HEALTH Route of exposure: dermal In case of accidental breakage of many desiccant bags, when the worker must remove quantities significant material, use of gloves PVC, neoprene or natural rubber in conformity with the EN 374 (chemical hazards) There are no other routes of exposure while using standard desiccant bag.
6.2	MEASURES OF RISK MANAGEMENT FOR THE ENVIRONMENT The calcium chloride is used spreading it on the roads in winter (as antifreeze). In the case of desiccant bags, the release into the environment is clearly more controlled, because at end of life they are thrown in the trash and conveyed in landfills. Therefore they provide low emissions in air and water. Since there is no danger to the environment was not assessed any environmental exposure relative and was not carried out any risk characterization.
7	MEASURES WASTE DISPOSAL The bags exhausted contain calcium chloride and therefore are to be considered hazardous waste.
INFORMATION ON EXPOSURE ESTIMATED AND GUIDE FOR DOWNSTREAM USERS (DU)	
8	EXPOSURE ASSESSMENT AND REFERENCE TO ITS SOURCE (Workers / consumers) The user that follows the rules of use described is not subject to any exposure to calcium chloride. One hypothesis of exposure may be: Method: ECETOC TRA SU0 (dehydrating agent packed in desiccant bag) PC 2 (ADSORBENT) Special conditions: none Via exposure: CONSUMER - Inhalation LONG TERM SYSTEMIC: <0.01 mg / M3 RCR <0.01. SU0 (dehydrating agent packed in desiccant bag PC 2 (ADSORBENT) Special conditions: none Via exposure: : CONSUMER - Inhalation LONG TERM LOCAL: <0.005 mg / M3 RCR <0.01.
9	GUIDANCE FOR DOWNSTREAM USERS TO VERIFY THAT OPERATE WITHIN THE LIMITS SET BY THE EXPOSURE SCENARIO The predicted exposure does not exceed DNRL / DMEL if the measures risk management and operating conditions contained in Section 2 are implemented. When are adopted different measures of risk management / operating conditions, users should ensure that risks are limited to an equivalent level. For scaling: http://www.ecetoc.org/tra Only properly trained personnel should use the methods of scaling to see if the operating conditions and risk management are within the limits specified by the exposure scenario.

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