

SAFETY DATA SHEET
According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

ASSORBIUMIDO Inodore
cod. 93600001-93601001-93612001-93613001
Revision: 1 / EN

Page 1 of 13

Date of print: 17/04/2023
Date of review: 06/04/2023

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: 93600001-93601001-93612001-93613001
Product name: ASSORBIUMIDO Inodore

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

Intended use: Humidity absorber – classic (100% calcium chloride)
Uses advised against: This product is not recommended for all those uses not specifically identified on the label.

1.3. Details of the supplier of the safety data sheet

Name: Saratoga Int. Sforza SpA
Full address: Via Edison 76
District and Country: 20090 Trezzano s/Naviglio (Milano)
Italia
Tel. 0039-02445731
Fax 0039-024452742

e-mail address of the competent person
responsible for the Safety Data Sheet: trading@saratogasforza.com

1.4. Emergency telephone number

For urgent inquiries refer to
CAV - Ospedale Pediatrico "Bambino Gesù" - Roma - Tel. +39 06 68593726 (h24)
CAV - Azienda Ospedaliero-Universitaria Foggia - Foggia - Tel. +39 0881 732326 (h24)
CAV - Azienda Ospedaliera "A. Cardarelli" - Napoli - Tel. +39 081 7472870 (h24)
CAV - Policlinico "Umberto I" - Roma - Tel. +39 06 4450618 (h24)
CAV - Policlinico "A. Gemelli" - Roma - Tel. +39 06 3054343 (h24)
CAV - Azienda Ospedaliera "Careggi" U.O. Tossicologia Medica - Firenze - Tel. +39 055 7947819(h24)
CAV - Centro Nazionale di Informazione Tossicologica - Pavia - Tel. +39 0382 24444 (h24)
CAV - Ospedale "Niguarda Ca' Granda" - Milano - Tel. +39 02 66101029 (h24)
CAV - Azienda Ospedaliera "Papa Giovanni XXIII" - Bergamo - Tel. +39 800 883300 (h24)
CAV - Azienda Ospedaliera Integrata Verona - Verona - Tel. +39 800 011858 (h24)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Eye irritation, category 2 H319 Causes serious eye irritation.

2.2. Label elements

SAFETY DATA SHEET
According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

ASSORBIUMIDO Inodore
cod. 93600001-93601001-93612001-93613001
Revision: 1 / EN

Page 2 of 13

Date of print: 17/04/2023
Date of review: 06/04/2023

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Warning

Hazard statements:

H319 Causes serious eye irritation.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P261 Avoid breathing dust.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves and protective clothing and eye and 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

On the basis of available data, the product does not contain any PBT or vPvB in percentage $\geq$ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration $\geq$ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
CALCIUM CHLORIDE		
INDEX 017-013-00-2	$85 \leq x < 100$	Eye Irrit. 2 H319
EC 233-140-8		
CAS 10043-52-4		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

SAFETY DATA SHEET
According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

ASSORBIUMIDO Inodore
cod. 93600001-93601001-93612001-93613001
Revision: 1 / EN

Page 3 of 13

Date of print: 17/04/2023
Date of review: 06/04/2023

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.
SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.
INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.
INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

Causes serious eye irritation

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

Please refer to the first aid measures (section 4.1)

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products. Chlorine (gas) could be released

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Avoid dust cluster formation.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

SAFETY DATA SHEET
According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

ASSORBIUMIDO Inodore
cod. 93600001-93601001-93612001-93613001
Revision: 1 / EN

Page 4 of 13

Date of print: 17/04/2023
Date of review: 06/04/2023

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.
Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Humidity absorber.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ITA		D.Lgs. 81/08
CZE	Česká Republika	Nařízení vlády č. 41/2020 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů

CALCIUM CHLORIDE Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	CZE	2		4		Consumer/Inhal
TLV	ITA	2,5		5		

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

SAFETY DATA SHEET
According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

ASSORBIUMIDO Inodore
cod. 93600001-93601001-93612001-93613001
Revision: 1 / EN

Page 5 of 13

Date of print: 17/04/2023
Date of review: 06/04/2023

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work nitrile rubber gloves (see standard EN 374). Thickness > 0,1 mm

The following should be considered when choosing work glove material: compatibility, degradation, failure time (>480 min) 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.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

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. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	solid	
Colour	white	
Odour	various	
Melting point / freezing point	+176°C (melting)	
Initial boiling point	>+1600°C (CaCl ₂)	
Flammability	not flammable	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	> +60 °C	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
pH	ab. 9-10 (solution)	

SAFETY DATA SHEET
According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

ASSORBIUMIDO Inodore
cod. 93600001-93601001-93612001-93613001
Revision: 1 / EN

Page 6 of 13

Date of print: 17/04/2023
Date of review: 06/04/2023

Kinematic viscosity	not available
Solubility	Highly hydrosoluble
Partition coefficient: n-octanol/water	not applicable
Vapour pressure	not available
Density and/or relative density	ab. 2
Relative vapour density	not available
Particle characteristics	ab. 8mm

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Total solids (250°C / 482°F)	99,76 %
VOC (Directive 2010/75/EU)	0,24 % - 6,00 g/litre
VOC (volatile carbon)	0,16 % - 3,88 g/litre

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use. Melting point > +772°C (hazardous gas release)

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

SAFETY DATA SHEET
According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

ASSORBIUMIDO Inodore
cod. 93600001-93601001-93612001-93613001
Revision: 1 / EN

Page 7 of 13

Date of print: 17/04/2023
Date of review: 06/04/2023

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.
It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no significant component)
ATE (Oral) of the mixture:	Not classified (no significant component)
ATE (Dermal) of the mixture:	Not classified (no significant component)

CALCIUM CHLORIDE

LD50 (Dermal):	2630 mg/kg Rat
LD50 (Oral):	1000 mg/kg Rat

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

SAFETY DATA SHEET
According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

ASSORBIUMIDO Inodore
cod. 93600001-93601001-93612001-93613001
Revision: 1 / EN

Page 8 of 13

Date of print: 17/04/2023
Date of review: 06/04/2023

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class
(NOAEL > 1000 mg/kg; oral; rat; 12 weeks exposition time/daily treatment)

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

SAFETY DATA SHEET
According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

ASSORBIUMIDO Inodore
cod. 93600001-93601001-93612001-93613001
Revision: 1 / EN

Page 9 of 13

Date of print: 17/04/2023
Date of review: 06/04/2023

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

Information not available

12.2. Persistence and degradability

CALCIUM CHLORIDE

Solubility in water > 10000 mg/l

Degradability: information not available

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage $\geq$ than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SAFETY DATA SHEET
According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

ASSORBIUMIDO Inodore
cod. 93600001-93601001-93612001-93613001
Revision: 1 / EN

Page 10 of 13

Date of print: 17/04/2023
Date of review: 06/04/2023

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID number

not applicable

14.2. UN proper shipping name

not applicable

14.3. Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

not applicable

14.6. Special precautions for user

not applicable

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SAFETY DATA SHEET
According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

ASSORBIUMIDO Inodore
cod. 93600001-93601001-93612001-93613001
Revision: 1 / EN

Page 11 of 13

Date of print: 17/04/2023
Date of review: 06/04/2023

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3 - 40

Contained substance

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage $\geq$ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

A chemical safety assessment has been performed for the preparation/for the substances indicated in section 3.
Enclosed (Italian) scenario of " Calcium chloride"

SAFETY DATA SHEET
According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

ASSORBIUMIDO Inodore
cod. 93600001-93601001-93612001-93613001
Revision: 1 / EN

Page 12 of 13

Date of print: 17/04/2023
Date of review: 06/04/2023

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Eye Irrit. 2	Eye irritation, category 2
H319	Causes serious eye irritation.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)

SAFETY DATA SHEET
According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

ASSORBIUMIDO Inodore
cod. 93600001-93601001-93612001-93613001
Revision: 1 / EN

Page 13 of 13

Date of print: 17/04/2023
Date of review: 06/04/2023

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

			Scenario di esposizione No 10
			CLORURO DI CALCIO
Data di edizione: 01.08.2014	Revisione: 14.12.2016	Pagina/pagine: 1/3	

Allegato alla scheda di sicurezza

Sezione 1. Titolo dello scenario di esposizione

Titolo	Usi di consumo del cloruro di calcio; CAS: 10043-52-4*
Settori d'uso	SU21: Usi di consumo: nuclei familiari (= popolazione in generale = consumatori).
Categoria del prodotto chimico	- PC2: Adsorbenti; - PC4: Prodotti antigelo e prodotti per lo sbrinamento; - PC16: Fluidi per il trasferimento di calore; - PC35: Prodotti per il lavaggio e la pulizia (tra cui prodotti a base di solventi); - PC0 - codici UCN K35100: Cemento/calcestruzzo/malta.
Categorie di rilascio nell'ambiente	- ERC8a: Ampio uso dispersivo indoor di coadiuvanti tecnologici in sistemi aperti; - ERC8d: Wide dispersive outdoor use of processing aids in open systems.
Processi, compiti, attività coperte	

Sezione 2. Se le condizioni operative e le misure di gestione del rischio

2.1. Controllo dell'esposizione dei consumatori

Forma fisica del prodotto	
Concentrazione di una sostanza in un prodotto	Copre una percentuale di sostanza nel prodotto fino al 100% [ConsOC1].
Quantità utilizzate	Per ogni caso di applicazione si riferisce all'utilizzo di quantità inferiore a 50 kg, salvo diverse indicazioni [ConsOC2].
Frequenza e durata dell'utilizzo	Include l'utilizzo in 365 giorni/anno, salvo diverse indicazioni [ConsOC3]; Include l'esposizione fino a 24 ore/incidente [ConsOC14].
Fattori umani non influenzati dalla gestione dei rischi	Dose per inalazione fino a 32,9 m ³ /giorno.
Altre condizioni operative che coinvolgono le esposizioni dei lavoratori	Include l'utilizzo a temperatura d'ambiente [ConsOC15]; Volume ambiente 1 m ³ per volume ambiente si intende lo spazio personale: una piccola area di 1 m ³ intorno al luogo di utilizzo. Coefficiente di scambio aria min 0,6 (1/ore). Include le applicazioni con l'area di rilascio fino a 125 m ² , salvo diverse indicazioni.

Categorie di prodotti chimici

PC2 (adsorbenti) CaCl ₂ utilizzato come agente idratante ad uso domestico	Condizioni d'esercizio	Non sono state definite condizioni di lavoro specifiche
	Mezzi per la gestione dei rischi	Non sono state identificate misure specifiche
PC4 (antigelo + sbrinamento) CaCl ₂ utilizzato per prevenire la formazione del ghiaccio e il congelamento	Condizioni d'esercizio	Non sono state definite condizioni di lavoro specifiche

	Scenario di esposizione No 10	
	CLORURO DI CALCIO	
Data di edizione: 01.08.2014	Revisione: 14.12.2016	Pagina/pagine: 2/3

	Mezzi per la gestione dei rischi	Non sono state identificate misure specifiche
PC16 (fluidi per il trasferimento di calore) Cloruro di calcio fonte di energia in un recipiente autoriscaldante	Condizioni d'esercizio	Non sono state definite condizioni di lavoro specifiche
	Mezzi per la gestione dei rischi	Non sono state identificate misure specifiche
PC35 (prodotti per il lavaggio e la pulizia) Cloruro di calcio contenente detergenti e prodotti per pulizia	Condizioni d'esercizio	Attività non a spruzzo - Non sono state definite condizioni di lavoro specifiche
	Mezzi per la gestione dei rischi	Non sono state identificate misure specifiche
	Condizioni d'esercizio	Spruzzare - Include la concentrazione fino alla saturazione (45%) [ConsOC1]; Include il tempo di nebulizzazione fino a 10 minuti/incidente Include l'utilizzo in un locale di 58 m ³ e altezza 2,5 m
	Mezzi per la gestione dei rischi	Nebulizzare lontano dalla gente
PC0-UCN codici K35100: (Cemento/calcestruzzo/malta) Cloruro di calcio nel Cemento/calcestruzzo/malta	Condizioni d'esercizio	Non sono state definite condizioni di lavoro specifiche
	Mezzi per la gestione dei rischi	Non sono state identificate misure specifiche

2.2. Controlli dell'esposizione ambientale

Non applicabile per quanto riguarda questa applicazione, la sostanza non è pericolosa per l'ambiente.

Sezione 3. Stima dell'esposizione

3.1. L'esposizione dei consumatori

Per valutare l'esposizione è stato impiegato il metodo ConsExpo4.1.

Categorie di processo	Esposizione prolungata per inalazione		Esposizione di breve durata per inalazione	
	Concentrazioni stimate nell'esposizione (mg/m ³)	Rapporto di caratterizzazione e del rischio	Concentrazioni stimate nell'esposizione (mg/m ³)	Rapporto di caratterizzazione del rischio
PC2	<0,01	<0,01	0,005	<0,01
PC4	<0,01	<0,01	0,005	<0,01
PC16	<0,01	<0,01	0,005	<0,01
PC35	<0,01	<0,01	0,005	<0,01
PC0-UCN codici K35100	<0,01	<0,01	0,005	<0,01

3.2. Ambiente

Non applicabile per quanto riguarda questa applicazione, la sostanza non è pericolosa per

	Scenario di esposizione No 10	
	CLORURO DI CALCIO	
Data di edizione: 01.08.2014	Revisione: 14.12.2016	Pagina/pagine: 3/3

l'ambiente.	
Sezione 4. Guida al controllo della conformità con lo Scenario di esposizione	
4.1. L'esposizione dei consumatori	
Istruzioni per utilizzatori a valle	Si prevede che le esposizioni non superino il DN(M)EL quando sono applicate le Misure di Gestione dei Rischi/Condizioni Operative illustrate nella Sezione 2 [GC22].
	Laddove siano adottate diverse Misure di Gestione dei Rischi/Condizioni Operative, gli utilizzatori sono tenuti a garantire che i rischi siano gestiti a un livello almeno equivalente [GC23].
	Per ottenere più dettagli o informazioni sulle premesse incluse nel presente scenario d'esposizione, contattare il fornitore [].
4.2. Ambiente	
Non applicabile per quanto riguarda questa applicazione, la sostanza non è pericolosa per l'ambiente.	
Sezione 5.	
Controllo delle esposizioni dei consumatori	
Mancanza.	
Controllo delle esposizioni ambientali	
Mancanza.	

*Il cloruro di calcio viene prodotto in forma idratata ($\text{CaCl}_2 \cdot 2 \text{H}_2\text{O}$) come CAS 10035-04-8.

Edizione	Sezione	Modifica
1 (01.08.2014)	Capitello	Logo
2 (15.09.2015)	1	Titolo dello scenario modificato
	1, 2.1, 3.1	Categorie del prodotto PC12, PC27, PC37 cancellate
	2	Campo cancellato
	3.1	E' stato indicato il metodo di valutazione dell'esposizione Modifiche nella descrizione della tabella