



PROPADRY

REACH regulation 1907/2006 - Annex II, regulation 1272/2008 and regulation 453/2010

1 Product and Manufacturer Identification

1.1 Product Identification

- Chemical name: Desiccant flakes packaged inside polypropylene trays.
- Commercial name: PROPADRY

1.2 Intended use

Industrial sector
Type of use: humidity absorber
Application: for professional use, not for food packing

1.3 Manufacturer Identification

Producer : PROPAGROUP S.p.A.
Address: Via Genova, 5/B - 10098 RIVOLI (Turin) - Italy
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2 Identification of risks

2.1 Substance or mixture classification

According to Regulation (EC) No 1272/2008 (GHS)
Eye irritation (Category 2)

According to Directive 67/548/EEC and amendments
Irritating to eyes.

2.2 Elements of the label

Pictogram



Warnings

Caution

Health hazards
H319

Causes serious eye irritation

Precautionary statements
P305 + P351 + P338

IN CASE OF CONTACT WITH THE EYES: Rinse thoroughly for several minutes. Remove contact lenses if easy to do so. Continue rinsing.

Hazard classification/s
Xi

Irritant

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R-phrases
 R36

Irritating to eyes

S-phrases
 S22
 S24

Do not breathe dust
 Avoid contact with skin

2.3 Other hazards

None.

3 Composition/Information on ingredients

3.1 Chemical description

Desiccant flakes.

3.2 Hazardous ingredients

The product contains hazardous substances according to directive 67/548/EEC and subsequent amendments or for which recognised exposure limits exist:

Name of substance	N. CAS	Classification	Concentration
Calcium chloride	10035-04-8	Xi - R36	80 - 90 %

4 First Aid measures



In all cases of doubt, or where symptoms persist, seek medical attention. Never give anything by mouth if the victim is unconscious.

4.1 Inhalation

Only in case of tray breaking: in case of inhalation of the powders, bring the person to a ventilated place and seek medical advice in case of persistence of symptoms.

4.2 Contact with the skin

Only in case of tray breaking: in case of contact with skin remove contaminated clothes, and wash with water and soap; apply a nourishing cream on the involved area.

4.3 Contact with the eyes

Only in case of tray breaking: wash immediately the eyes with running water. Seek medical advice in case of persistence of irritation.

4.4 Ingestion

Only in case of tray breaking: drink water and seek medical advice.



5 Fire-prevention measures

5.1 Extinguishing agents

Waterfog, powder, foam and carbon dioxide

5.2 Unsuitable extinguishing agents

None in particular.

5.3 Combustion risks

Do not inhale fumes.

5.4 Protective gear for fire fighters

Wear suitable personal protective gear to protect the respiratory tract, the eyes and the skin.

6 Measures for accidental leakage

6.1 Individual precautions

Use means of protection of the respiratory tract. Do not eat or drink during while working.

6.2 Environmental precautions

Avoid the pollution of sewerage, surface or subterranean waters, as well as of land. In case of big scattering (applicable only in case of tray breaking) please inform the competent authority, according to the local current legislation.

6.3 Cleaning

Collect the product with mechanical devices, avoiding the creation of dust. After collecting, wash the area with water.

7 Handling and storing

7.1 Handling

Comply with normal industrial hygiene practices, ensuring ventilation of closed rooms. Do not eat or drink when working. Do not smoke.

7.2 Incompatible materials

Avoid contact with organic, combustible or incompatible substances (i.e. strong acids, metals, reducing substances).

7.3 Storing

Protect the containers from physical damage and from continual heat sources by storing in a sheltered place.

7.4 Information on storage location

Suitably dry storage location, away from naked flames.

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8 Exposure check/Personal protection

- 8.1 Exposure limits for hazardous substances (to be applied in the event of incorrect product handling or accidental leakage)

Particles not otherwise classified:

Inhalable fraction: TLV-TWA 10 mg/m³ (ACGIH 2008)

Breathable fraction: TLV-TWA 3 mg/m³ (ACGIH 2008)

- 8.2. Medical control parameters

No medical controls are currently required by law; however an annual medical check-up is recommended.

- 8.3. Breathing protection

Use suitable masks while granting a good ventilation of premises.

- 8.4. Protecting the hands

Not necessary for normal use.

- 8.5. Protecting the eyes

Not necessary for normal use.

- 8.6 Protecting the skin

Not necessary for normal use.

9 Chemical and physical properties

Form: polypropylene trays containing a desiccant flakes solid
Melting point: > 800 °C
Solubility in water: \cong 700 g/l
Solubility in solvents: < 0,1%
Density: 0,800 - 1,000 g/cm³
pH: 8 - 10

10 Stability and reactivity

- 10.1 Conditions to be avoided

Stable under normal temperature and pressure conditions.

- 10.2 Substances to be avoided

Avoid contact with water, organic substances and materials, combustible and strong acids.

- 10.3 Hazardous decomposition products

Carbon monoxide and nitrogen oxides.

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11 Toxicological information

11.1 Acute toxicity

DL50 Oral - rat - 1000 mg/Kg
Skin corrosion/irritation: rabbit skin - No skin irritation
Serious eye damage: rat eyes - severe eye irritation
Respiratory sensitization: no data at present.
Germ cell mutagenicity: genotoxicity in vivo - rat intraperitoneal.

11.2 Chronic toxicity

Carcinogenicity: no component of this product with levels greater than or equal to 0.1% is identified as a known carcinogen by IARC
Reproductive toxicity: no data at present
Specific toxicity for target organ - single exposure: no data at present
Specific toxicity for target organ - repeated exposure: no data at present
Risk in the event of inhalation: no data at present.

12 Ecological information

Toxicity to fish: CL50 - Lepomis macrochius - 10,650 mg/l - 96h
Toxicity to daphnia and other aquatic invertebrates: CE50 - Daphnia magna (Water flea) 52 mg/l - 48h
Persistence and degradability: no data available
Bioaccumulative potential: no data available
Mobility in soil: no data available
Other adverse effects: Harmful to aquatic organisms.

13 Considerations on disposal

Dispose the exhausted product as per current standards.

14 Information on transport

Land transport ADR/RID and GGVS/GGVE (across border/national)

Class ADR/RID-GGVS/E: unclassified

Sea transport IMDG/GGVSea:

Class IMDG/GGVSea: unclassified

Air transport ICAO-TI and IATA-DGR:

Class ICAO/IATA unclassified

Additional transport/information:

Non-hazardous product according to hazardous goods transport specifications.

15 Regulatory information

CE 1272/2008 (Classification and labelling):

See point 2 of this safety data sheet.

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Reference standard:

- Lgs.D. 3 February 1997, n. 52
"Implementation of Directive 92/32/EEC concerning the classification, packing and labelling of hazardous substances" (O.J. n. 58 S.O. n. 53 of 11 March 1997) and subsequent modifications.
- Ministerial Decree 28 April 1997
"Implementation of art. 37, sub-sections 1 and 2, of legislative decree 3 February 1997, n. 52, concerning the classification, packing and labelling of hazardous substances" (O.J. n. 192, S.O. n. 164 of 19 August 1997) and subsequent modifications
- Directive 2008/58/CE of 21 August 2008
"including the XXX adaptation to technical progress of directive 67/548/EEC of the Council covering the approaching to legislative, regulatory, and administrative provisions concerning the classification, packing and labelling of hazardous substances" (E.O.J. L246 of 15 September 2008).
- Ministerial Decree 7 September 2002
"Transposition of Directive 2001/58/EC concerning the means of information on hazardous substances and preparations on the market" (O.J. n. 252 of 26 October 2002) and subsequent modifications.
- Legislative Decree 14 March 2003, n. 65
"Implementation of directives 1999/45/EC and 211/60/EC relating to the classification, packing and labelling of hazardous preparations" (O.J. n. 61/L of 14 April 2003) and subsequent modifications.
- Circular 7 January 2004
"Explanations for the application of Legislative Decree of 14 March 2003 n. 65, for transposition of directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 and of directive 2001/60/EC of the Commission of 7 August 2001, concerning the classification, packing and labelling of hazardous preparations" (O.J. n. 70 of 24 March 2004) and subsequent modifications.
- European Regulations (EC) n. 1907/2006 of the European Parliament and of the Council of 18 December 2006
- European Regulations 1272/2008 of the European Parliament and of the Council of 16 December 2008
- European Regulations 453/2010 of the Commission of 20 May 2010

Health monitoring:

Carry out periodic medical check-ups as per Lgs.D. 25 of 02/02/2002 until definition of moderate risk.

16 Other information

The information given in this safety sheet is based on our knowledge at the above date of issue. It refers solely to the product indicated and does not constitute a guarantee of particular qualities. The user is responsible for ensuring the suitability and completeness of such information in relation to how the product is to be used. This Sheet annuls and replaces all previous editions.