

VARNOSTNI LIST

MATERIAL SAFETY DATA SHEET

Po Uredbi (ES) št. 1907/2006 & 453/2010 (REACH)

Po Uredbi (ES) št. 1272/2008 (CLP)

according to Regulation (EC) No. 1907/2006 & 453/2010 (REACH) and
according to Regulation (EC) No. 1272/2008 (CLP)



Sodium chloride

Natrijev Klorid

Datum izdaje: 18.01.2016

Date of issue: 18.01.2016

Nadomesti verzijo: 20.10.2015

Replaces version from: 20.10.2015

1. Opis snovi/priprava in podatki o dobavitelju *)

Identification of the substance/preparation and of the company/undertaking

1.1. Ime izdelka:

Identification of the substance:

Natrijev Klorid

Sodium chloride

1.2. Uporaba snovi:

Use of the substance:

Jedilna sol, živinska sol, industrijska sol, sol za posip cest, tabletirana sol, itd.

Edible salt, feeding salt, commercial salt, deicing salt, tablet salt,...etc.

1.3. Podjetje (dobavitelj):

Company (Supplier):

Salinen Prosol d.o.o., Obrtna cona Logatec 4, 1370 Logatec

+ 386 (0) 1 5425 - 692

+ 386 (0) 1 5404 - 165 Fax

info@salinen-prosol.si

1.4. Informacije v nujnih primerih:

Emergency telephone No.

+ 386 (0) 1 5425 - 692

+ 386 (0) 31 668 - 744

1.5. Center za nadzor zastrupitev (Slovenija):

Poison control center (Slovenija):

V primeru zastrupitve se posvetujte z zdravnikom oz. pokličite center za zastrupitve na tel: 112

2. Nevarnosti

Hazards identification

2.1. Klasifikacija glede na Uredbo (EC) št. 1272/2008:

Classification according to Regulation (EC) No. 1272/2008:

2.1.1. Za jedilno in živinsko sol: (članek 1 odstavek 5)

For food and feeding salt: (article 1 paragraph 5 lit. e)

Snov ni razvrščena v skladu s CLP uredbo.

The substance is not classified according the CLP regulation.

2.1.2. Za sol za posip cest, industrijsko in tabletirano sol: (Naslov II, poglavje 1, članek 5)

For deicing- industrial- and commercial salt: (Title II, chapter 1, article 5 ff)

Po identifikaciji, pregled razpoložljivih informacij v snoveh:

After identification, examination of available information on substances:

Snov ni razvrščena v skladu s CLP uredbo.

The substance is not classified according the CLP regulation.

2.2. Piktogrami za nevarnost: se ne uporabljajo / Hazard pictograms: not applicable

Beseda za opozorilo: se ne uporablja / Signal word: not applicable

Opomba za nevarnost: se ne uporablja / Hazard note: not applicable

2.3. Rezultati PBT- in vPvB- ocene / Results of PBT- and vPvB-assessment

PBT: se ne uporablja / PBT: not applicable.

vPvB: se ne uporablja / vPvB: not applicable.

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3. Sestava/informacije o sestavinah Composition/Information on ingredients

3.1. Izdelek (Synonyme) evaporirana sol / vacuum salt

3.2. Št. CAS (CAS-No.) 7647-14-5

3.3. Št. EINECS (EC-No) 231-598-3

3.4. Molska masa / Molar mass 58.44 g/mol

3.5 Kemijska formula / Chemical formula NaCl

4. Ukrepi prve pomoči First aid measures

4.1. Splošno
General posebni ukrepi niso potrebni
no special arrangements necessary

4.2. V primeru
vdihavanja
After inhalation dovajanje svežega zraka
fresh air

4.3. Po stiku s kožo
After skin contact sperite z vodo; v kolikor draženje ne preneha, se posvetujte z zdravnikom
wash off with water; in case of continuing pain turn to doctor

4.4. Po stiku z očmi
After eye contact oči z odprtimi vekami sperite z obilo vode; v kolikor draženje ne preneha, se posvetujte z zdravnikom
rinse out with plenty of water with the eyelid held wide open; case of continuing pain consult doctor

4.5. Po zaužitju
After swallowing sperite usta in pijte veliko vode; v kolikor draženje ne preneha, se posvetujte z zdravnikom
rinse mouth with water and make victim drink water; case of continuing pain consult doctor

5. Ukrepi ob požaru Fire-fighting measures

5.1. Ustrezna sredstva za
gašenje
Suitable extinguishing agents uporabljajte sredstva za gašenje primerna pogojem iz okolice
use fire extinguishing methods suitable to surrounding conditions

5.2. Posebna zaščitna oprema
Special protective equipment nosite neodvisno opremo za varovanje dihal
wear self-contained respiratory protective device

5.3. Posebne nevarnosti
Special risks ni vnetljivo
non-combustible

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6. Ukrepi ob nezgodnih izpustih

Accidental release measures

- | | |
|--|---|
| 6.1. Osební varnostni ukrepi:
Person-related precautionary measures: | preprečiti tvorbo prahu, ne vdihavati prahu
avoid generation of dusts, do not inhale dusts |
| 6.2. Okoljevarstveni ukrepi:
Environmental-protection measures: | ne izprazniti v kanalizacijo/površinske vode/podtalnico
do not allow to enter sewerage system |
| 6.3. Postopek čiščenja/pobiranja:
Procedures for cleaning: | suho čiščenje in odstranjevanje v skladu z uredbo
clean up dry and depose according to regulation |

7. Ravnanje in shranjevanje/skladiščenje

Handling and storage

- | | |
|---------------------------------------|---|
| 7.1. Ravnanje
Handling: | ni dodatnih zahtev
no further requirements |
| 7.2. Skladiščenje:
Storage: | tesno zaprto in suho
tightly closed and dry |

8. Nadzor nad izpostavljenostjo/osebna zaščitna oprema *)

Exposure controls / personal protection

8.1. Sestavine z mejnimi vrednostmi, ki zahtevajo nadzor na delovnem mestu: ni potrebno
Ingredients with limit values that require monitoring at the workplace: not required

8.2. Osebna zaščitna oprema:
Personal protective equipment:

8.3. Zaščitna obleka mora biti izbrana posebej za delovna mesta, glede na koncentracijo in količino nevarnih substanc s katerimi se ravna. Odpornost zaščitne obleke na kemikalije mora biti zagotovljena s strani ustreznih dobaviteljev.
Protective clothing should be selected specifically for the working place, depending on contraction and quantity of hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

8.4. Zaščita dihal: v primerih prašenja potrebno uporabiti masko ali polmasko
Respiratory protection: when dusts required mask or halfmask

8.5. Zaščita oči: je potrebna, zaščitna očala s stransko zaščito
Eye protection: required, safety glasses with side protection

8.6. Zaščita rok: je potrebna, rokavice morajo biti neprepustne in odporne na izdelek/substance/pripravek
Hand protection: required, the glove material has to be impermeable and resistant to the product/ the substance/ the preparation

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8.7. Zaščita telesa: zaščitna obleka iz bombaža in obuvalo, ki pokriva celo stopalo, če obstaja možnost brizganja, uporabiti gumijast predpasnik

Personal protection: protection clothes of cotton and the shoe, which covers the entire foot, if there is the possibility of spraying, use a rubber apron

8.8. Higijenski ukrepi: zamenjati umazano obleko in umiti roke po končanem delu s substancno

Industrial hygiene: change contaminated clothing and wash hands after working with substance

9. Fizikalne in kemične lastnosti

Physical and chemical properties

9.1. Oblika: trdna

Form: solid

9.2. Barva: brez barve

Colour: colourless

9.3. Vonj: brez vonja

Odour: odourless

9.4. Vrednost pH (pri 100g/l 20°C): 4,5-7

pH –value (at 100g/l 20°C)

9.5. Tališče: 801°C

Melting point

9.6. Vrelišče: 1461°C

Boiling point

9.7. Točka vžiga: se ne uporablja

Ignition point: not applicable

9.8. Plamenišče: se ne uporablja

Flash point: not applicable

9.9. Vnetljivost: snov ni vnetljiva

Flammability: substance is not flammable

9.10 Meje eksplozivnosti: snov ni eksplozivna

Explosion limits: substance is not explosive

9.11. Parni tlak pri 865°C: 1,3 hPa

Vapour pressure at 865°C

9.12. Gostota pri 20°C: 2,16 g/cm³

Density at 20°C

9.13. Gostota mase pri 20°C: ~ 1140 kg/m³

Bulk density at 20°C

9.14. Topnost v vodi pri 20°C: 358 g/l

Solubility in water at 20°C

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10. Stabilnost in reaktivnost

Stability and reactivity

10.1. Pogoji, ki se jih je treba izogniti:

Conditions to be avoided:

ni razpoložljivih informacij

no information available

10.2. Snovi, ki se jih je treba izogniti:

Substances to be avoided:

eksotermna reakcija z alkalnimi kovinami

exothermic reaction with alkali metals

10.3. Nevarne reakcije:

Dangerous reactions:

ni razpoložljivih informacij

no information available

11. Toksikološki podatki

Toxicological information

11.1. Subakutna do kronična toksičnost, Subacute to chronic toxicity

Nerakotvorno in ni mutageno pri raziskavah na živalih; bakterijska mutagenost: Amesov test negativen; Mutagenost (preizkus živalskih celic): mikrozrna negativno; ni suma vpliva na plodnost; brez teratogenih učinkov pri živalskih eksperimentih.

Noncarcinogenic and no mutagenic in animal experiments; bacterial mutagenicity: Ames-test negative; mutagenicity (mammal cell test): mikronucleus negative; no impairment of reproductive performance suspected; no teratogenic effect in animal experiments.

11.2. Nadaljnji toksikološki podatki, Further toxicological information

Po stiku z očmi: rahlo draženje

After eye contact: slight irritations

Po preobilnem zaužitju: slabost, bruhanje

After swallowing of large amounts: nausea, vomiting

V kolikor se s proizvodom ravna primerno, se ne pričakuje nobenih toksičnih učinkov.

No toxic effects are to be expected when the product is handled appropriately

Glede na zadnjo verzijo EU Uredbe, blago ni predmet razvrstitve.

The substance is not subject to classification according to the latest version of the EU lists

12. Ekološki podatki

Ecological Information

12.1. Biološka razgradnja

Biologic degradation:

Metode za ugotavljanje biorazgradljivosti niso uporabne za anorganske snovi.

methods for the determination of biodegradability are not applicable to inorganic substances

12.2. Obnašanje v okolju

Behavior in environmental compartments:

Kopičenja v organizmih ni pričakovati.

concentration in organisms is not to be expected due to solubility in water

12.3. Ekotoksikološki učinki

Ecotoxic effects

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12.4. Strupenost za ribe

Fish toxicity:

Pimephales promelas LC₅₀ 7650 mg/l /96 h

12.5. Daphnia

Daphnientoxizität:

Daphnia magna EC₅₀ 1000 mg/l /48 h

12.6. Kategorija ogrožanja vode 1 (Nemška ureditev, Ugotavljanje s seznama):

Water hazard class 1 (German regulation, Assessment by list):

rahla ogroženost vode

slightly hazardous for water

12.7. Dodatne informacije o ekologiji:

Further ecological information:

ne dopustiti nerazredčeni snovi in njenim velikim količinam dostop do podtalnice, odtokov ali kanalizacije

do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

13. Obravnavanje odlaganja *)

Disposal considerations

13.1.

Proizvod

Kemikalije morajo biti odstranjene v skladu z veljavnimi nacionalnimi predpisi. Šifra odpadka: 160306 – Organski odpadki: sol

Product:

Chemicals must be disposed of in compliance with the respective national regulations. Waste code: 160306 - Organic wastes: salt

13.2.

Pakiranje

Pakirni materiali morajo biti odstranjeni v skladu z veljavnimi nacionalnimi predpisi. Šifra odpadka: 150101 – Papirna in kartonska embalaža, 150102 – Plastična embalaža, 200101 – Papir in karton

Packaging:

Packaging material must be disposed of in compliance with the respective national regulations. Waste code: 150101 - Paper and cardboard packaging 150102 - Plastic packaging 200101 - Paper and paperboard

14. Transportni podatki

Transport information

14.1. Ni predmet transportnih predpisov.

No subject to transport regulations

15. Regulativni podatki *)

Regulatory information

15.1. Klasifikacija glede na Uredbo (EC) št. 1272/2008: *Snov ni razvrščena v skladu z uredbo CLP.*

Classification according to Regulation (EC) No.1272/2008 *The substance is not classified according the CLP regulation.*

15.2. Kategorija ogrožanja vode 1 (Nemška ureditev, Ugotavljanje s seznama): **rahla ogroženost vode.**

Water hazard class 1 (German regulation, Assessment by list): slightly hazardous for water.

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15.3. Predpisi/zakonodaja o zdravju, varnosti in okolju, specifična za snov ali zmes:

- Uredba (ES) št. 1907/2006 Evropskega parlamenta in Sveta z dne 18. Decembra 2006 o registraciji, evalvaciji, avtorizaciji in omejevanju kemikalij (REACH), o ustanovitvi Evropske agencije za kemikalije ter spremembi Direktive 1999/45/ES ter razveljavitvi Uredbe Sveta (EGS) št. 793/93 in Uredbe Komisije (ES) št. 1488/94 ter Direktive Sveta 76/769/EGS in direktiv Komisije 91/155/EGS, 93/67/EGS, 93/105/ES in 2000/21/ES (sprememba Uredba Komisije (EU) št. 453/2010)

- Uredba (ES) št. 1272/2008 Evropskega parlamenta in Sveta z dne 16. Decembra 2008 o razvrščanju, označevanju in pakiranju snovi ter zmesi, o spremembi in razveljavitvi direktiv 67/548/EGS in 1999/45/ES ter spremembi Uredbe (ES) št. 1907/2006

- Zakon o kemikalijah

- Pravilnik o razvrščanju, pakiranju in označevanju nevarnih snovi

- Pravilnik o razvrščanju, pakiranju in označevanju nevarnih pripravkov

- Uredba o ravnanju z odpadki

- Uredba o ravnanju z embalažo in odpadno embalažo

- Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu

Regulations / legislation on health, safety and environment specific to the substance or mixture:

- Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency and amending Directive 1999/45 / EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94, and Council Directive 76/769 / EEC and Commission Directives 91/155 / EEC, 93/67 / EEC, 93/105 / EC and 2000/21 / EC (amending Regulation (EU) no. 453/2010)

- Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548 / EEC and 1999/45 / EC, and amending Regulation (EC) No. 1907/2006

- Regulation for chemicals

- Rules on the classification, packaging and labeling of dangerous substances

- Rules on the classification, packaging and labeling of dangerous preparations

- Regulation on waste management

- Regulation on the management of packaging and packaging waste

- Regulation on the protection of workers from the risks related to chemical agents at work

16. Ostale informacije

Further Information

Varnostni list, 18.01.2016

Material safety data sheet, 18.01.2016

*) Spremembe narejene, glede na prejšnjo različico.

*) Changes made to the previous version