

SAFETY DATA SHEET
Australian version - NOHSC:2011 (2003)

SOCAL ®

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Identification of the substance or preparation

Product name : SOCAL ®
Product grade(s) : E2/N2/N2R/NP/NZ/P2/P2E/P2V/P3/U1/U3/31/90A/92
E/93V/HT

Chemical Name : Calcium carbonate
Synonyms : Aragonite, Calcite, CCP
Molecular formula : CaCO₃
Molecular Weight : 100.09 g/mol

1.2. Use of the Substance/Preparation

Recommended use : - Fillers

1.3. Company/Undertaking Identification

Address :

-

Telephone :

Telefax :

1.4. Emergency and contact telephone numbers

Emergency telephone : +61 2 9032 0460 (Sydney) [Carechem24]
1 800 023 488 (Emergency 24 Hour)
AU: +61-2-93168000 (Product information)

E-mail address : sdstracking@solvay.com

2. HAZARDS IDENTIFICATION

Appearance : Crystals, powder
Colour : white
Odour : odourless

- Not classified as hazardous according to criteria of NOHSC.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance name (CAS-No. / EC-No. / Annex-1)	Concentration (W/W)	Classification	R-phrase(s)
Calcium carbonate	>= 98 %		



4. FIRST AID MEASURES

4.1. Inhalation

- Remove the subject from dusty environment and let him blow his nose.

4.2. Eye contact

- Flush eyes with running water for several minutes, while keeping the eyelids wide open.
- If eye irritation persists, consult a specialist.

4.3. Skin contact

- Wash off with soap and water.
- Wash contaminated clothing before re-use.

4.4. Ingestion

If victim is conscious:

- Clean mouth with water and drink afterwards plenty of water.

If victim is unconscious but breathing:

- not applicable

5. FIRE-FIGHTING MEASURES

5.1. Suitable extinguishing media

- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Extinguishing media which shall not be used for safety reasons

- None.

5.3. Special exposure hazards in a fire

- Not combustible.

5.4. Special protective equipment for fire-fighters

- No special precautions required.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions

- Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions

- Should not be released into the environment.

6.3. Methods for cleaning up

- Pick up and arrange disposal without creating dust.
- Keep in properly labelled containers.
- Keep container closed.
- Treat recovered material as described in the section "Disposal considerations".
- Flush with plenty of water.

7. HANDLING AND STORAGE

7.1. Handling

- Use only in well-ventilated areas.
- Keep away from incompatible products



7.2. Storage

- Keep in a dry place.
- Keep only in the original container.
- Keep container closed.

7.3. Specific use(s)

- For further information, please contact:
- Supplier

7.4. Packaging material

- Paper + PE.

7.5. Other information

- Refer to protective measures listed in sections 7 and 8.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure Limit Values

Calcium carbonate

- Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) 08 2005
time weighted average = 10 mg/m³
Remarks: Inspirable dust.
- Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) 08 2005
Remarks: Inspirable dust., Listed

8.2. Exposure controls

- Ensure adequate ventilation.

8.2.1. Occupational exposure controls

8.2.1.1. Respiratory protection

- In case of dust clouds/fog/fumes, dust mask type P1.

8.2.1.2. Hand protection

- Protective gloves
- Suitable material : PVC, Neoprene, Natural Rubber

8.2.1.3. Eye protection

- Chemical resistant goggles must be worn.

8.2.1.4. Skin and body protection

- Protective suit

8.2.1.5. Hygiene measures

- Handle in accordance with good industrial hygiene and safety practice.

8.2.2. Environmental exposure controls

- Dispose of rinse water in accordance with local and national regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General Information (appearance, odour)

Appearance	: Crystals, powder
Colour	: white
Odour	: odourless

9.2. Important health safety and environmental information



pH	:	Remarks: not applicable
Boiling point/boiling range	:	Remarks: not applicable
Flash point	:	Remarks: not applicable
Flammability	:	Remarks: not applicable
Explosive properties	:	<u>Explosion danger:</u> Remarks: Not explosive
Relative density / Density	:	2.93 (Aragonite) 2.71 (Calcite)
Bulk density	:	from 300 - 600 kg/m ³
Solubility	:	14 mg/l Temperature: 25 °C : slightly soluble : Water : Soluble in: : Acids : Remarks: With release of CO ₂
Partition coefficient: n-octanol/water	:	Remarks: not applicable

9.3. Other data

Melting point/range	:	Remarks: not applicable, Thermal decomposition
Decomposition temperature	:	from 700 - 900 °C

10. STABILITY AND REACTIVITY

10.1. Stability

- Contact with acids liberates CO₂, sometimes violently.

10.2. Conditions to avoid

- none

10.3. Materials to avoid

- Acids

10.4. Hazardous decomposition products

- Calcium oxide

11. TOXICOLOGICAL INFORMATION

11.1 Toxicological data

Acute oral toxicity

- LD₅₀, rat, > 2,000 mg/kg

Skin irritation

- rabbit, No skin irritation

Eye irritation

- rabbit, Mild eye irritation



Possible hazards (summary)

- Health injuries are not known or expected under normal use.

11.2. Health effects**Main effects**

- Contact with eyes may cause irritation.

Inhalation

- negligible

Eye contact

- Moderate eye irritation

Skin contact

- slight irritation

Ingestion

- (in case of higher concentration): Stomach/intestinal disorders.

12. ECOLOGICAL INFORMATION**12.1. Ecotoxicity effects****Acute toxicity**

- Remarks: toxic threshold greater than its water solubility

12.2. Mobility**Air**

Remarks: mobility as solid aerosols

Water, Soil

Remarks: low solubility and mobility

12.3. Persistence and degradability**Abiotic degradation**

- Water, Soil, Hydrolysis

Result: acid/base equilibrium as a function of pH

Degradation products: carbonic acid/bicarbonate/carbonate / acid/base equilibrium as a function of pH

- Water, Soil

Result: complexation/precipitation of inorganic and organic materials

Biodegradation

- Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

12.4. Bioaccumulative potential

- Result: not applicable

12.5. Other adverse effects

- no data available

12.6. Possible hazards (summary)

- Ecological injuries are not known or expected under normal use.
- Product fate is highly dependent on environmental conditions: pH, temperature, redox potential, mineral and organic content of the medium,...

13. DISPOSAL CONSIDERATIONS**13.1. Waste from residues / unused products**

- In accordance with local and national regulations.
- Can be landfilled, when in compliance with local regulations.
- Dispose of in accordance with the European Directives on waste and hazardous waste.



13.2. Packaging treatment

- Empty containers.
- Dispose of as unused product.
- Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.
- The empty and clean containers are to be reused in conformity with regulations.

14. TRANSPORT INFORMATION**Remarks:**

- not regulated

15. REGULATORY INFORMATION**15.1. Labels**

- Not classified as hazardous according to criteria of NOHSC.

15.2. Inventory Information

Toxic Substance Control Act list (TSCA)	: -	In compliance with inventory.
Australian Inventory of Chemical Substances (AICS)	: -	In compliance with inventory.
Canadian Domestic Substances List (DSL)	: -	In compliance with inventory.
Korea Existing Chemicals Inv. (KECI) (KECI (KR))	: -	In compliance with inventory.
EU list of existing chemical substances (EINECS)	: -	In compliance with inventory.
Japan (ENCS) List (ENCS (JP))	: -	In compliance with inventory.
Inventory of Existing Chemical Substances (China) (IECS)	: -	In compliance with inventory.
Philippine Inventory of Chemicals and Chemical Substances (PICCS)	: -	In compliance with inventory.
New Zealand Inventory of Chemicals (NZIOC)	: -	In compliance with inventory.

16. OTHER INFORMATION**16.1. Administrative information**

- Update
This data sheet contains changes from the previous version in section(s): 2, 15.1
- Distribute new edition to clients

The information given corresponds to the current state of our knowledge and experience of the product, and is not exhaustive. This applies to product which conforms to the specification, unless otherwise stated. In this case of combinations and mixtures one must make sure that no new dangers can arise. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and protection of human welfare and the environment.

