

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Oxycon CA

Product no.

A-85.580.300

REACH registration number

Not applicable

Unique formula identifier (UFI)

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

Relevant identified uses of the substance or mixture

Reagent for water analysis

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

SWAN Analytische Instrumente AG
Studbachstrasse 13
CH-8340 Hinwil
Switzerland
Phone: +41 44 943 63 00
Fax: +41 44 943 63 01

Contact person

M.Lendi

E-mail

info@swan.ch

SDS date

2019-03-20

SDS Version

4.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

2.2. Label elements

Hazard pictogram(s)

Not applicable

Signal word

-

▼ Hazard statement(s)

Not applicable

Precautionary statements

According to EC-Regulation 2015/830

General -
 Prevention -
 Response -
 Storage -
 Disposal -

▼ **Identity of the substances primarily responsible for the major health hazards**

Not applicable

▼ **2.3. Other hazards**

Not applicable

▼ **Additional labelling**

Not applicable

▼ **Additional warnings**

Not applicable

▼ **VOC (volatile organic compound)**

Not applicable

SECTION 3: Composition/information on ingredients

▼ **3.1/3.2. Substances/Mixtures**

NAME: Sodium chloride
 IDENTIFICATION NOS.: CAS-no: 7647-14-5 EC-no: 231-598-3
 CONTENT: 80-95%
 CLP CLASSIFICATION: NA

NAME: Melamine
 IDENTIFICATION NOS.: CAS-no: 108-78-1 EC-no: 203-615-4
 CONTENT: 2.5 - <5%
 CLP CLASSIFICATION: NA

NAME: Sodium citrate tribasic dihydrate
 IDENTIFICATION NOS.: CAS-no: 6132-04-3 EC-no: 200-675-3 REACH-no: 01-2119457027-40-XXXX
 CONTENT: 2.5 - <5%
 CLP CLASSIFICATION: NA

(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

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SECTION 4: First aid measures

4.1. Description of first aid measures

▼ **General information**

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

▼ **Inhalation**

Bring the person into fresh air and stay with him/her.

▼ **Skin contact**

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

▼ **Eye contact**

Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 15 minutes. Seek medical assistance and continue flushing during transport.

▼ **Ingestion**

According to EC-Regulation 2015/830

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Not applicable

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

Nothing special

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

Nothing special

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

▼ **5.1. Extinguishing media**

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

▼ **5.2. Special hazards arising from the substance or mixture**

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Halogenated compounds. Carbon oxides. Some metal oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

▼ **5.3. Advice for firefighters**

No specific requirements.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

No specific requirements.

▼ **6.3. Methods and material for containment and cleaning up**

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

▼ **6.4. Reference to other sections**

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

▼ **7.1. Precautions for safe handling**

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection.

▼ **7.2. Conditions for safe storage, including any incompatibilities**

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

No data available.

▼ **7.3. Specific end use(s)**

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

According to EC-Regulation 2015/830

8.1. Control parameters

▼ OEL

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

▼ DNEL / PNEC

No data available

8.2. Exposure controls

▼ Control is unnecessary if the product is used as intended.

General recommendations

▼ Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

▼ Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

▼ Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

▼ Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

▼ Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment

Not applicable

Generally

Use only CE marked protective equipment.

Respiratory Equipment

No specific requirements.

Skin protection

No specific requirements.

Hand protection

No specific requirements.

Eye protection

No specific requirements.

SECTION 9: Physical and chemical properties

▼ 9.1. Information on basic physical and chemical properties

Form

Colour

White

Odour

None

Odour threshold (ppm)

No data available.

pH

4.5-7

Viscosity (40°C)

No data available.

Density (g/cm³)

2.17

Phase changes

Melting point (°C)

801

Boiling point (°C)

No data available.

Vapour pressure

No data available.

Decomposition temperature (°C)

No data available.

Evaporation rate (n-butylacetate = 100)

No data available.

Data on fire and explosion hazards

Flash point (°C)

No data available.

Ignition (°C)

No data available.

Auto flammability (°C)

No data available.

Explosion limits (% v/v)

No data available.

Explosive properties

No data available.

Solubility

According to EC-Regulation 2015/830

Solubility in water
n-octanol/water coefficient

Soluble
No data available.

9.2. Other information

Solubility in fat (g/L)

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

▼ **10.2. Chemical stability**

The product is stable under the conditions, noted in the section "Handling and storage".

▼ **10.3. Possibility of hazardous reactions**

Nothing special

▼ **10.4. Conditions to avoid**

Nothing special

▼ **10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

▼ **Acute toxicity**

Substance: Melamine

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: > 1'000 mg/kg

Substance: Melamine

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: 4h - > 5'190 mg/m³

Substance: Melamine

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 3'161 mg/kg

Substance: Sodium chloride

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: > 10'000 mg/kg

Substance: Sodium chloride

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: 1h - > 42'000 mg/m³

Substance: Sodium chloride

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 3'550 mg/kg

▼ **Skin corrosion/irritation**

No data available.

Serious eye damage/irritation

According to EC-Regulation 2015/830

No data available.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

▼ **Long term effects**

Nothing special

SECTION 12: Ecological information

▼ **12.1. Toxicity**

Substance: Melamine

Species: Daphnia

Test: EC50

Duration: 48 h

Result: 48 mg/l

Substance: Sodium chloride

Species: Fish

Test: LC50

Duration: 96 h

Result: 5'840 mg/l

Substance: Sodium chloride

Species: Daphnia

Test: NOEC

Duration: 7 d

Result: 1'500 mg/l

Substance: Sodium chloride

Species: Daphnia

Test: LC50

Duration: 48 h

Result: 1'661 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data available.			

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
No data available.			

12.4. Mobility in soil

No data available

▼ **12.5. Results of PBT and vPvB assessment**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

▼ **12.6. Other adverse effects**

Nothing special

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

According to EC-Regulation 2015/830

Waste

EWC code

-

▼ Specific labelling

Not applicable

Contaminated packing

No specific requirements.

SECTION 14: Transport information

14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

ADR/RID

- 14.1. UN number -
- 14.2. UN proper shipping name -
- 14.3. Transport hazard class(es) -
- 14.4. Packing group -
- Notes -
- Tunnel restriction code -

IMDG

- UN-no. -
- Proper Shipping Name -
- Class -
- PG* -
- EmS -
- MP** -
- Hazardous constituent -

IATA/ICAO

- UN-no. -
- Proper Shipping Name -
- Class -
- PG* -

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

▼ Restrictions for application

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

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Additional information

Not applicable

Seveso

According to EC-Regulation 2015/830

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Sources

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

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

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The full text of identified uses as mentioned in section 1

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Additional label elements

Not applicable

Other

In accordance with Article 31 of REACH, a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis in order to distribute relevant information as required under Article 32 of REACH. It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

Admin

Date of last essential change (First cipher in SDS version)

2016-06-07(3.0)

Date of last minor change (Last cipher in SDS version)

2016-06-07