



SAFETY DATA SHEET

Based upon Regulation (EC) No. 1907/2006, as amended by Regulation (EC) No. 453/2010

Distributed by:

Rocky Mountain Reagents
SCIENTIFIC SOLUTIONS SINCE 1959
4621 Technology Drive, Golden, CO 80403
ph: (303) 762-0800 fax: (303) 762-1240
Product #: S1141

Provox, Provox C

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

1.1 Product identifier:

Product name : Provox, Provox C
Synonyms : sodium carbonate peroxyhydrate (2:3), oxidizing; disodium carbonate, compound with hydrogen peroxide (2:3); carbonic acid disodium salt, compd. with hydrogen peroxide (H₂-O₂) (2:3); caperox; disodium carbonate-hydrogen peroxide (2:3); disodium carbonate sesquioxide (2:3); FB sodium percarbonate (2:3); hydrogen peroxide (H₂O₂), compd. with disodium carbonate (3:2); hydrogen peroxide sodium carbonate adduct (2:3); peroxydicarbonic acid, disodium salt (2:3); peroxy sodium carbonate (2:3); sodium carbonate hydrogen peroxidate (2:3); sodium carbonate peroxide (2:3); sodium carbonate sesquioxide (2Na₂CO₃.3H₂O₂); sodium percarbonate; sodium peroxocarbonate (2:3)
Registration number REACH : Not applicable
The transition time according to REACH Regulation, article 23 is not yet expired.
Product type REACH : Substance/mono-constituent
CAS number : 15630-89-4
EC number : 239-707-6
Molecular mass : 314.06 g/mol
Formula : 2Na₂CO₃.3H₂O₂

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

1.2.1 Relevant identified uses

Bleaching agent
Cleansing product
Oxidant
Washing products: bleaching agent

1.2.2 Uses advised against

No uses advised against known

1.3 Details of the supplier of the safety data sheet:

Supplier of the safety data sheet

OCI Chemical Corporation
Five Concourse Parkway - Suite 2500
USA GA 30328-6111 Atlanta

Manufacturer of the product

OCI Alabama LLC
1455 Red Hat Road
USA - AL 35603 Decatur

1.4 Emergency telephone number:

24h/24h:

CHEMTREC : +1 703 527 38 87

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation EC No 1272/2008

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

| Class | Category | Hazard statements |
|------------|------------|-------------------------------------|
| Ox. Sol. | category 2 | H272: May intensify fire; oxidiser. |
| Acute Tox. | category 4 | H302: Harmful if swallowed. |
| Eye Dam. | category 1 | H318: Causes serious eye damage. |

2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC

Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG)
Technische Schoolstraat 43 A, B-2440 Geel
<http://www.big.be>
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Publication date: 2013/02/20
Date of revision: 2013/08/14

Product number: 25189

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134-16219-410-en

Provox, Provox C

Classified as dangerous in accordance with the criteria of Directives 67/548/EEC and 1999/45/EC
O; R8 - Contact with combustible material may cause fire.
Xn; R22 - Harmful if swallowed.
Xi; R41 - Risk of serious damage to eyes.

2.2 Label elements:

Labelling according to Regulation EC No 1272/2008 (CLP)



Signal word

Danger

H-statements

H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H318 Causes serious eye damage.

P-statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280 Wear protective gloves and eye protection/face protection.
P310 Immediately call a POISON CENTER or doctor/physician.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330 Rinse mouth.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

2.3 Other hazards:

CLP

Heat may cause pressure rise in tanks/drums: explosion risk
Harmful to fishes
Toxic to invertebrates (Daphnia)

SECTION 3: Composition/information on ingredients

3.1 Substances:

| Name (REACH Registration No) | CAS No EC No | Conc. (C) | Classification according to DSD/DPD | Classification according to CLP | Note | Remark |
|---|-------------------------|-----------|--|--|------|------------------|
| disodium carbonate, compound with hydrogen peroxide (2:3) (-) | 15630-89-4 239-707-6 | C≥95 % | O; R8 Xn; R22 Xi; R41 | Ox. Sol. 2; H272 Acute Tox. 4; H302 Eye Dam. 1; H318 | (1) | Mono-constituent |

(1) For R-phrases and H-statements in full: see heading 16

3.2 Mixtures:

Not applicable

SECTION 4: First aid measures

4.1 Description of first aid measures:

General:

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:

Rinse with water. Take victim to a doctor if irritation persists.

After eye contact:

Rinse immediately with plenty of water for 15 minutes. Do not apply neutralizing agents. Take victim to an ophthalmologist.

After ingestion:

Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Consult a doctor/medical service if you feel unwell.

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

4.2.1 Acute symptoms

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Revision number: 0100

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After inhalation:

AFTER INHALATION OF DUST: Dry/sore throat. Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes.

After skin contact:

Not irritating.

After eye contact:

Inflammation/damage of the eye tissue. Corrosion of the eye tissue.

After ingestion:

Nausea. Vomiting.

4.2.2 Delayed symptoms

No effects known.

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

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1 Extinguishing media:**5.1.1 Suitable extinguishing media:**

Quantities of water.

5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

5.2 Special hazards arising from the substance or mixture:

Upon combustion: CO and CO₂ are formed.

5.3 Advice for firefighters:**5.3.1 Instructions:**

Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat. After cooling: persistent risk of physical explosion.

5.3.2 Special protective equipment for fire-fighters:

Gloves. Safety glasses. Protective clothing. Dust cloud production: compressed air/oxygen apparatus. Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Prevent dust cloud formation. No naked flames.

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves. Safety glasses. Protective clothing. Dust cloud production: compressed air/oxygen apparatus.

Suitable protective clothing

See heading 8.2

6.2 Environmental precautions:

Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Dam up the solid spill. Knock down/dilute dust cloud with water spray. Prevent spreading in sewers.

6.3 Methods and material for containment and cleaning up:

Prevent dust cloud formation. Scoop solid spill into closing containers. Carefully collect the spill/leftovers. Spill must not return in its original container. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

6.4 Reference to other sections:

See heading 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1 Precautions for safe handling:

Avoid raising dust. Keep away from naked flames/heat. Observe normal hygiene standards. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain.

7.2 Conditions for safe storage, including any incompatibilities:**7.2.1 Safe storage requirements:**

Store in a cool area. Keep out of direct sunlight. Store in a dry area. Keep only in the original container. Meet the legal requirements.

7.2.2 Keep away from:

Heat sources, combustible materials, oxidizing agents, (strong) acids, (strong) bases, metals, organic materials, water/moisture.

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7.2.3 Suitable packaging material:

Stainless steel, aluminium, polyethylene, polypropylene.

7.2.4 Non suitable packaging material:

Steel.

7.3 Specific end use(s):

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

b) National biological limit values

If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods

| Product name | Test | Number |
|-------------------|------|--------|
| No data available | | |

8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

8.1.4 DNEL/PNEC values

DNEL - Workers

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| Effect level (DNEL/DMEL) | Type | Value | Remark |
|--------------------------|------------------------------------|-------------------------|--------|
| DNEL | Long-term local effects inhalation | 5 mg/m ³ | |
| | Long-term local effects dermal | 12.8 mg/cm ² | |
| | Acute local effects dermal | 12.8 mg/cm ² | |

DNEL - General population

Provox, Provox C

| Effect level (DNEL/DMEL) | Type | Value | Remark |
|--------------------------|--------------------------------|------------------------|--------|
| DNEL | Long-term local effects dermal | 6.4 mg/cm ² | |
| | Acute local effects dermal | 6.4 mg/cm ² | |

PNEC

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| Compartments | Value | Remark |
|------------------------------|------------|--------|
| Fresh water | 0.035 mg/l | |
| Marine water | 0.035 mg/l | |
| Aqua (intermittent releases) | 0.035 mg/l | |
| STP | 16.24 mg/l | |

8.1.5 Control banding

If applicable and available it will be listed below.

8.2 Exposure controls:

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Avoid raising dust. Keep away from naked flames/heat. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:

Dust production: dust mask with filter type P2.

b) Hand protection:

Gloves.

- materials for protective clothing (good resistance)

PVC, rubber.

c) Eye protection:

Face shield. In case of dust production: protective goggles.

d) Skin protection:

Protective clothing. In case of dust production: head/neck protection. In case of dust production: dustproof clothing.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

Provox, Provox C

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

| | |
|---------------------------|---|
| Physical form | Crystalline solid Crystalline powder |
| Odour | Odourless |
| Odour threshold | No data available |
| Colour | White |
| Particle size | 250-1000 µm |
| Explosion limits | Not applicable |
| Flammability | Non combustible |
| Log Kow | No data available |
| Dynamic viscosity | Not applicable |
| Kinematic viscosity | Not applicable |
| Melting point | Not applicable |
| Boiling point | Not applicable |
| Flash point | Not applicable (inorganic) |
| Evaporation rate | Not applicable |
| Vapour pressure | Not applicable |
| Relative vapour density | Not applicable |
| Solubility | water ; 140 g/l ; 20 °C |
| Relative density | 2.16 ; 20.4 °C |
| Decomposition temperature | > 75 °C |
| Auto-ignition temperature | Not applicable |
| Explosive properties | Not classified |
| Oxidising properties | May intensify fire; oxidiser. |
| pH | 10.4-10.6 ; 140 g/l ; 20 °C |

Physical hazards

Oxidising solid

9.2 Other information:

| | |
|------------------|------------------------|
| Absolute density | 2140 kg/m ³ |
|------------------|------------------------|

SECTION 10: Stability and reactivity

10.1 Reactivity:

Promotes combustion. Substance has basic reaction.

10.2 Chemical stability:

Unstable on exposure to heat. Unstable on exposure to moisture.

10.3 Possibility of hazardous reactions:

Decomposes slowly: oxidation resulting in increased fire or explosion risk. This reaction is accelerated on exposure to water (moisture) and temperature rise.

10.4 Conditions to avoid:

Avoid raising dust. Keep away from naked flames/heat.

10.5 Incompatible materials:

Combustible materials, oxidizing agents, (strong) acids, (strong) bases, metals, organic materials, water/moisture, steel.

10.6 Hazardous decomposition products:

Reacts with many compounds: oxidation resulting in increased fire or explosion risk. Upon combustion: CO and CO₂ are formed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

11.1.1 Test results

Acute toxicity

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Reason for revision: 1.3+1.4

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Revision number: 0100

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| Route of exposure | Parameter | Method | Value | Exposure time | Species | Gender | Value determination |
|-------------------|-----------|------------------------|--------------|---------------|---------|-------------|--|
| Oral | LD50 | Equivalent to OECD 401 | 1034 mg/kg | | Rat | Male/female | Experimental value |
| Dermal | LD50 | Equivalent to OECD 402 | > 2000 mg/kg | | Rabbit | Male/female | Experimental value |
| Inhalation | | | | | | | Not determined, exemption according to REACH |

Conclusion

Harmful if swallowed.
 Low acute toxicity by the oral route
 Low acute toxicity by the inhalation route

Corrosion/irritation

Provox, Provox C

| Route of exposure | Result | Method | Exposure time | Time point | Species | Value determination |
|-------------------|-------------------|--------------|---------------|----------------------------|---------|---------------------|
| Eye | Highly irritating | EPA OPP 81-4 | | 1; 24; 48; 72 hours | Rabbit | Experimental value |
| Skin | Not irritating | Other | 4 h | 1; 2; 3; 4; 7; 10; 14 days | Rabbit | Experimental value |
| Inhalation | | | | | | No data available |

Conclusion

Not classified as irritating to the skin
 Causes serious eye damage.

Respiratory or skin sensitisation

Provox, Provox C

| Route of exposure | Result | Method | Exposure time | Observation time point | Species | Gender | Value determination |
|-------------------|-----------------|--------------|---------------|------------------------|------------|-------------|---------------------|
| Skin | Not sensitizing | Buehler test | | 48 hours | Guinea pig | Male/female | Experimental value |
| Inhalation | | | | | | | No data available |

Conclusion

Not classified as sensitizing for skin
 Not classified as sensitizing for inhalation

Specific target organ toxicity

Provox, Provox C

| Route of exposure | Parameter | Method | Value | Organ | Effect | Exposure time | Species | Gender | Value determination |
|-------------------|-----------|--------|-------|-------|--------|---------------|---------|--------|--------------------------------|
| Oral | | | | | | | | | Not relevant, expert judgement |
| Dermal | | | | | | | | | Not relevant, expert judgement |
| Inhalation | | | | | | | | | Not relevant, expert judgement |

Conclusion

Supplementary classification for repeated dose toxicity was not considered necessary

Mutagenicity (in vitro)

Provox, Provox C

| Result | Method | Test substrate | Effect | Value determination |
|--------|--------|----------------|--------|--------------------------------|
| | | | | Not relevant, expert judgement |

Mutagenicity (in vivo)

Provox, Provox C

| Result | Method | Exposure time | Test substrate | Gender | Organ | Value determination |
|--------|--------|---------------|----------------|--------|-------|---------------------|
| | | | | | | No data available |

Carcinogenicity

Reason for revision: 1.3+1.4

Publication date: 2013/02/20

Date of revision: 2013/08/14

Revision number: 0100

Product number: 25189

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| Route of exposure | Parameter | Method | Value | Exposure time | Species | Gender | Value determination | Organ | Effect |
|-------------------|-----------|--------|-------|---------------|---------|--------|---------------------|-------|--------|
| Inhalation | | | | | | | No data available | | |
| Dermal | | | | | | | No data available | | |
| Oral | | | | | | | No data available | | |

Reproductive toxicity

Provox, Provox C

| | Parameter | Method | Value | Exposure time | Species | Gender | Effect | Organ | Value determination |
|------------------------|-----------|--------|-------|---------------|---------|--------|--------|-------|--------------------------------|
| Developmental toxicity | | | | | | | | | Not relevant, expert judgement |

Conclusion CMR

- Not classified for reprotoxic or developmental toxicity
- Not classified for mutagenic or genotoxic toxicity
- Not classified for carcinogenicity

Toxicity other effects

Provox, Provox C

No (test) data available

Chronic effects from short and long-term exposure

Provox, Provox C

No effects known.

SECTION 12: Ecological information

12.1 Toxicity:

Provox, Provox C

| | Parameter | Method | Value | Duration | Species | Test design | Fresh/salt water | Value determination |
|------------------------------|-----------|--------|-----------|----------|---------------------|-------------|------------------|---------------------|
| Acute toxicity fishes | LC50 | US EPA | 70.7 mg/l | 48 h | Pimephales promelas | Semi-static | Fresh water | Experimental value |
| Acute toxicity invertebrates | EC50 | US EPA | 4.9 mg/l | 48 h | Daphnia pulex | Semi-static | Fresh water | Experimental value |

Conclusion

- Harmful to fishes
- Toxic to invertebrates (Daphnia)
- pH shift

12.2 Persistence and degradability:

- Biodegradability: not applicable
- Hydrolysis in water

12.3 Bioaccumulative potential:

Log Kow

| Method | Remark | Value | Temperature | Value determination |
|--------|-------------------|-------|-------------|---------------------|
| | No data available | | | |

Not bioaccumulative

12.4 Mobility in soil:

Low potential for adsorption in soil

12.5 Results of PBT and vPvB assessment:

The criteria of PBT and vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006 do not apply to inorganic substances.

12.6 Other adverse effects:

Provox, Provox C

Global warming potential (GWP)

Not included in the list of substances which may contribute to the greenhouse effect (Regulation (EC) No 842/2006)

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Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No. 1272/2008 and 1005/2009)

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1 Waste treatment methods:

13.1.1 Provisions relating to waste

Waste material code (Directive 2008/98/EC, decision 2000/0532/EC).

16 09 03* (peroxides, for example hydrogen peroxide). Depending on branch of industry and production process, also other EURAL codes may be applicable.

Hazardous waste according to Directive 2008/98/EC.

13.1.2 Disposal methods

Remove waste in accordance with local and/or national regulations. Remove to an authorized plant for the destruction, neutralization and elimination of hazardous waste. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.

13.1.3 Packaging/Container

Waste material code packaging (Directive 2008/98/EC).

15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

Road (ADR)

14.1 UN number:

| | |
|-----------|------|
| UN number | 3378 |
|-----------|------|

14.2 UN proper shipping name:

| | |
|----------------------|--------------------------------|
| Proper shipping name | Sodium carbonate peroxyhydrate |
|----------------------|--------------------------------|

14.3 Transport hazard class(es):

| | |
|------------------------------|-----|
| Hazard identification number | 50 |
| Class | 5.1 |
| Classification code | O2 |

14.4 Packing group:

| | |
|---------------|-----|
| Packing group | II |
| Labels | 5.1 |

14.5 Environmental hazards:

| | |
|--|----|
| Environmentally hazardous substance mark | no |
|--|----|

14.6 Special precautions for user:

| | |
|--------------------|--|
| Special provisions | |
| Limited quantities | Combination packagings: not more than 1 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass) |

Rail (RID)

14.1 UN number:

| | |
|-----------|------|
| UN number | 3378 |
|-----------|------|

14.2 UN proper shipping name:

| | |
|----------------------|--------------------------------|
| Proper shipping name | Sodium carbonate peroxyhydrate |
|----------------------|--------------------------------|

14.3 Transport hazard class(es):

| | |
|------------------------------|-----|
| Hazard identification number | 50 |
| Class | 5.1 |
| Classification code | O2 |

14.4 Packing group:

| | |
|---------------|-----|
| Packing group | II |
| Labels | 5.1 |

14.5 Environmental hazards:

| | |
|--|----|
| Environmentally hazardous substance mark | no |
|--|----|

14.6 Special precautions for user:

| | |
|--------------------|--|
| Special provisions | |
| Limited quantities | Combination packagings: not more than 1 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass) |

Inland waterways (ADN)

14.1 UN number:

| | |
|-----------|------|
| UN number | 3378 |
|-----------|------|

Provox, Provox C

14.2 UN proper shipping name:

| | |
|----------------------|--------------------------------|
| Proper shipping name | Sodium carbonate peroxyhydrate |
|----------------------|--------------------------------|

14.3 Transport hazard class(es):

| | |
|---------------------|-----|
| Class | 5.1 |
| Classification code | O2 |

14.4 Packing group:

| | |
|---------------|-----|
| Packing group | II |
| Labels | 5.1 |

14.5 Environmental hazards:

| | |
|--|----|
| Environmentally hazardous substance mark | no |
|--|----|

14.6 Special precautions for user:

| | |
|--------------------|--|
| Special provisions | |
| Limited quantities | Combination packagings: not more than 1 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass) |

Sea (IMDG/IMSBC)

14.1 UN number:

| | |
|-----------|------|
| UN number | 3378 |
|-----------|------|

14.2 UN proper shipping name:

| | |
|----------------------|--------------------------------|
| Proper shipping name | Sodium carbonate peroxyhydrate |
|----------------------|--------------------------------|

14.3 Transport hazard class(es):

| | |
|-------|-----|
| Class | 5.1 |
|-------|-----|

14.4 Packing group:

| | |
|---------------|-----|
| Packing group | II |
| Labels | 5.1 |

14.5 Environmental hazards:

| | |
|--|----|
| Marine pollutant | - |
| Environmentally hazardous substance mark | no |

14.6 Special precautions for user:

| | |
|--------------------|--|
| Special provisions | 967 |
| Limited quantities | Combination packagings: not more than 1 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass) |

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

| | |
|--------------------------|---|
| Annex II of MARPOL 73/78 | Not applicable, based on available data |
|--------------------------|---|

Air (ICAO-TI/IATA-DGR)

14.1 UN number:

| | |
|-----------|------|
| UN number | 3378 |
|-----------|------|

14.2 UN proper shipping name:

| | |
|----------------------|--------------------------------|
| Proper shipping name | Sodium carbonate peroxyhydrate |
|----------------------|--------------------------------|

14.3 Transport hazard class(es):

| | |
|-------|-----|
| Class | 5.1 |
|-------|-----|

14.4 Packing group:

| | |
|---------------|-----|
| Packing group | II |
| Labels | 5.1 |

14.5 Environmental hazards:

| | |
|--|----|
| Environmentally hazardous substance mark | no |
|--|----|

14.6 Special precautions for user:

| | |
|---|--------|
| Special provisions | |
| Passenger and cargo transport: limited quantities: maximum net quantity per packaging | 2.5 kg |

SECTION 15: Regulatory information

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

European legislation:

European drinking water standards

Maximum concentration in drinking water: 200 mg/l (sodium) (Directive 98/83/EC)

REACH registration

The transition time according to REACH Regulation, article 23 is not yet expired.

Volatile organic compounds (VOC)

Not applicable

National legislation The Netherlands

Reason for revision: 1.3+1.4

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Revision number: 0100

Product number: 25189

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| | |
|--|---|
| Waste identification (the Netherlands) | LWCA (the Netherlands): KGA category 06 |
| Waterbezwaarlijkheid | 7 |

National legislation Germany

| | |
|---------|---|
| TA-Luft | TA-Luft Klasse 5.2.1 |
| WGK | 1; Classification water polluting in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 2) |

National legislation France

No data available

National legislation Belgium

No data available

15.2 Chemical safety assessment:

No chemical safety assessment has been conducted.

SECTION 16: Other information

Information based on classification according to CLP

Labelling according to Directive 67/548/EEC-1999/45/EC (DSD/DPD)

Not listed in Annex I of directive 67/548/EEC et sequens. Labelling established on the basis of the available data.

Labels



Oxidising



Harmful

R-phrases

- 08 Contact with combustible material may cause fire
- 22 Harmful if swallowed
- 41 Risk of serious damage to eyes

S-phrases

- (02) (Keep out of the reach of children)
- 08 Keep container dry
- 17 Keep away from combustible materials
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- 39 Wear eye/face protection
- (46) (If swallowed, seek medical advice immediately and show this container or label)

Full text of any R-phrases referred to under headings 2 and 3:

- R08 Contact with combustible material may cause fire
- R22 Harmful if swallowed
- R41 Risk of serious damage to eyes

Full text of any H-statements referred to under headings 2 and 3:

- H272 May intensify fire; oxidiser.
- H302 Harmful if swallowed.
- H318 Causes serious eye damage.

(*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive

DPD Dangerous Preparation Directive

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

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