

Dilution Guide

| Disinfection Of: | Required PPM | Mops, Cloths & Buckets 3ltr | 1ltr | 750ml | 500ml |
|--|--------------------------|--------------------------------|--------|--------|--------|
| Food & Catering Kitchens, canteens, food processing plants, food preparation areas, bars, restaurants, etc. | 300 | 2 x 3g | 1 x 3g | 1 x 3g | 1 x 3g |
| Public Institutions Schools, community centres, churches, etc. | 500 | 3 x 3g | 1 x 3g | 1 x 3g | 1 x 3g |
| Veterinary & Husbandry Farms, abattoirs, kennels, catteries, animal shelters & sanctuaries, veterinary etc. | 1000 | 3 x 6g OR 6 x 3g | 2 x 3g | 2 x 3g | 1 x 3g |
| Healthcare General disinfection of hospital hard surfaces and floors, nurseries, clinics, laboratories, ambulances, etc. | General 1000 | 3 x 6g OR 6 x 3g | 2 x 3g | 2 x 3g | 1 x 3g |
| | Intensive 2000 | 6 x 6g OR 12 x 3g | 4 x 3g | 3 x 3g | 2 x 3g |
| Isolation & Outbreaks High level disinfection in cases of infection outbreaks. | 4000 | 12 x 6g OR 24 x 3g | 8 x 3g | 6 x 3g | 4 x 3g |

| Standards | Organism | Contact Time | % Reduction |
|----------------------|---|--------------|-------------|
| EN 1276:2009 | Enterococcus hirae Staphylococcus aureus Escherichia coli Pseudomonas aeruginosa Listeria monocytogenes Salmonella Typhimurium | 5 minutes | 99.999% |
| EN 13623 | Bacillus subtilis | 5 minutes | 99.9% |
| EN 13624 | Candida albicans | 5 minutes | 99.99% |
| EN 14204 | Norovirus | 5 minutes | 99.99% |
| EN 14675:2006 | Canine Parvovirus | 5 minutes | 99.999% |
| Modified BS EN 13704 | Clostridium Difficile Spores | 5 minutes | 99.99999% |
| EN 1650:2008+A1:2013 | Candida albicans | 5 minutes | 99.99% |
| Defra General Orders | Salmonella Enteritidis | 30 minutes | 99.999% |

Peritab & Biotab are approved for DEFRA General Orders at a dilution of 1g to 330ml water. Compliant with BPR, REACH and CLP regulations

Peritab

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

1.1 - Product identifier

Trade name/designation Peritab
Chemical name Peracetic acid generated from tetraacetythylenediamine and sodium percarbonate
Product-type Mixture

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

Relevant identified uses

- Professional use of general surface cleaning products
- Disinfectant

Uses advised against

1.3 - Details of the supplier of the safety data sheet

Safe Space Solutions Ltd
Kemp House, 152 - 160 City Road,
London, EC1V 2NX
United Kingdom
Telephone : +44 203 633 8087
Website www.safespace.solutions
Information: info@safespace.solutions

1.4 - Emergency telephone number

+44 203 633 8087

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

| | |
|-------------------|------------------------------------|
| Acute Tox. 4 Oral | Acute toxicity (oral) - Category 4 |
| Eye Dam. 1 | Serious eye damage, Category 1 |

2.2 - Label elements

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

Contains: disodium carbonate, compound with hydrogen peroxide (2:3) (CAS No.: 15630-89-4)

Signal word : Danger

Hazard pictograms



Hazard statements

| | |
|------|---------------------------|
| H302 | Harmful if swallowed |
| H318 | Causes serious eye damage |

Precautionary statements

| | |
|------|---------------------------------------|
| P264 | Wash hands thoroughly after handling. |
|------|---------------------------------------|

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| | |
|----------------|--|
| P270 | Do not eat, drink or smoke when using this product. |
| P280 | Wear protective gloves, protective clothing, eye protection. |
| P301+P312 | If swallowed: Call a POISON CENTER, a doctor if you feel unwell. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER, a doctor. |
| P322 | Specific measures (see information on this label). |
| P330 | Rinse mouth. |
| P501 | Dispose of container to an appropriate recycling or disposal facility. |
| EUH-phrases | : None |

2.3 - Other hazards

PBT-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

| Chemical name | No | % | Class | Spec. concentrations |
|---|--|---------|---|---|
| disodium carbonate, compound with hydrogen peroxide (2:3) | CAS No. : 15630-89-4 Index No. : EC No. : 239-707-6 | 30 - 40 | Acute Tox. 4 Oral - H302 Eye Dam. 1 - H318 | Eye Dam. 1 - H318 : 25>%<100 Eye Irrit. 2 - H319 : 7.5>=%<25 |
| adipic acid | CAS No. : 124-04-9 Index No. : 607-144-00-9 EC No. : 204-673-3 | 10 - 20 | Eye Irrit. 2 - H319 | Not applicable |

SECTION 4: First aid measures

4.1 - Description of first aid measures

| | |
|-------------------------------|---|
| <u>Following inhalation</u> | - No special measures are necessary. - Provide fresh air. |
| <u>Following skin contact</u> | - Wash immediately with: Water - When in doubt or if symptoms are observed, get medical advice. |
| <u>After eye contact</u> | - In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. |
| <u>After ingestion</u> | - Seek medical advice immediately. - Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours. - Rinse mouth thoroughly with water. - Medical treatment necessary. - When in doubt or if symptoms are observed, get medical advice. |

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

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| | |
|--|--|
| <u>Symptoms and effects - Following inhalation</u> | - No information available. |
| <u>Symptoms and effects - Following skin contact</u> | - Causes mild skin irritation. |
| <u>Symptoms and effects - After eye contact</u> | - Serious eye damage/eye irritation |
| <u>Symptoms and effects - After ingestion</u> | - Observe risk of aspiration if vomiting occurs. |

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

- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

| | |
|-------------------------------------|---|
| <u>Suitable extinguishing media</u> | - ABC-powder - Carbon dioxide (CO ₂) - Foam - Extinguishing powder |
|-------------------------------------|---|

| | |
|---------------------------------------|------------------|
| <u>Unsuitable extinguishing media</u> | - Full water jet |
|---------------------------------------|------------------|

5.2 - Special hazards arising from the substance or mixture

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|--|---------------------------------|
| <u>Special hazards arising from the substance or mixture</u> | - Hazardous combustion products |
|--|---------------------------------|

| | |
|---|--|
| <u>Hazardous decomposition products</u> | - Carbon dioxide (CO ₂) - Carbon monoxide |
|---|--|

5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

| | |
|------------------------------------|--|
| <u>For non-emergency personnel</u> | - Wear personal protection equipment (refer to section 8). |
| <u>For emergency responders</u> | - No information available. |

6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.
- Ensure waste is collected and contained.

6.3 - Methods and material for containment and cleaning up

| | |
|---|--|
| <u>Methods and material for containment</u> | - Soak up inert absorbent and dispose as waste requiring special attention. |
| <u>Methods and material for cleaning up</u> | - Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). - Take up carefully when dry. - Clear contaminated areas thoroughly. |

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- Clean contaminated articles and floor according to the environmental legislation.

Inappropriate techniques

- No information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- Avoid: Eye contact
- Avoid: Generation/formation of dust
- It is recommended to design all work processes always so that the following is excluded: Eye contact
- After use replace the closing cap immediately.
- Avoid exposure - obtain special instructions before use.

Advices on general occupational hygiene

- Wash contaminated clothing prior to re-use.
- When using do not eat, drink, smoke, sniff.
- Thorough skin-cleansing after handling the product.
- Wash hands before breaks and after work.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep container tightly closed in a cool, well-ventilated place.
- Keep locked up.

7.3 - Specific end use(s)

- Disinfectant cleaner, based on oxygen liberators
- Sanitary cleaner, other

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

Appropriate engineering controls

- No information available.

Individual protection measures, such as personal protective equipment

- Suitable eye protection: Dust protection eye glasses



- Suitable protective clothing: lab coat



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- Tested protective gloves must be worn



Environmental exposure controls

- See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

| <u>Physical state</u> | Solid | <u>Appearance</u> | Tablets |
|-------------------------------|---|-------------------|---------|
| <u>Colour</u> | blue | <u>Odour</u> | fruity |
| Odour threshold | No data available | | |
| pH | 8 <= V <= 9 | | |
| Melting point | Decomposes without melting. | | |
| Freezing point | Thermal decomposition | | |
| Boiling point | Thermal decomposition | | |
| Flash point | No data available | | |
| Evaporation rate | No data available | | |
| flammability | Not readily flammable | | |
| Lower explosion limit | not applicable | | |
| Upper explosion limit | not applicable | | |
| Vapour pressure | < 0.001 Pa | | |
| Vapour density | No data available | | |
| Relative density | No data available | | |
| Density | 2 g/cm ³ < V < 2.5 g/cm ³ | | |
| Solubility (Water) | 100 g/l < V < 140 g/l | | |
| Solubility (Ethanol) | No data available | | |
| Solubility (Acetone) | No data available | | |
| Solubility (Organic solvents) | No data available | | |
| Log KOC | not applicable | | |
| Auto-ignition temperature | No data available | | |
| Decomposition temperature | > 75 °C | | |
| Kinematic viscosity | No data available | | |
| Dynamic viscosity | No data available | | |

9.2 - Other information

| | |
|-------------------------|-------------------|
| VOC content | No data available |
| Minimum ignition energy | No data available |
| Conductivity | No data available |

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

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- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- No information available.

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on toxicological effects

Acute toxicity - Acute toxicity (oral) - Category 4 - Harmful if swallowed

Toxicity : Mixture

| | |
|---------------------------------------|-------------------|
| LD50 oral (rat) | No data available |
| LD50 dermal (rat) | No data available |
| LD50 dermal (rabbit) | No data available |
| LC50 inhalation (rat) | No data available |
| LC50 inhalation dusts and mists (rat) | No data available |
| LC50 inhalation vapours (rat) | No data available |

Skin corrosion/irritation - Not classified
- No information available.

Serious eye damage/eye irritation - Serious eye damage, Category 1 - Causes serious eye damage
- Risk of serious damage to eyes.
- Causes serious eye irritation.

Respiratory or skin sensitisation - Not classified
- No information available.

Germ cell mutagenicity - Not classified
- No information available.

Carcinogenicity - Not classified
- No information available.

Reproductive toxicity - Not classified
- No information available.

STOT-single exposure - Not classified

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| | |
|-------------------------------|------------------|
| | - data lacking |
| <u>STOT-repeated exposure</u> | - Not classified |
| <u>Aspiration hazard</u> | - Not classified |

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

| | |
|-----------------------------------|-------------------|
| EC50 48 hr crustacea | > 4.9 mg/l |
| LC50 96 hr fish | > 70.7 mg/l |
| ErC50 algae | No data available |
| ErC50 other aquatic plants | No data available |
| NOEC chronic fish | No data available |
| NOEC chronic crustacea | 2 mg/l |
| NOEC chronic algae | No data available |
| NOEC chronic other aquatic plants | No data available |

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

| | |
|---------------------------------|-------------------|
| Biochemical oxygen demand (BOD) | No data available |
| Chemical oxygen demand (COD) | No data available |
| % of biodegradation in 28 days | No data available |

- No information available.

12.3 - Bioaccumulative potential

| | |
|-------------------------------|-------------------|
| Bioconcentration factor (BCF) | No data available |
| Log KOC | not applicable |

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

| | |
|--------------------------------|---|
| <u>Waste treatment methods</u> | - Dispose of waste according to applicable legislation. |
| <u>Sewage disposal</u> | - No information available. |

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Special precautions for waste treatment - Collect the waste separately.
- The waste is to be kept separate from other types of waste until its disposal.

Community or national or regional provisions - No information available.

SECTION 14: Transport information

14.1 - UN number

Not applicable

14.2 - UN proper shipping name

14.3 - Transport hazard class(es)

14.4 - Packing group

14.5 - Environmental hazards

14.6 - Special precautions for user

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

SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content No data available

- Disinfectants: 30% or more

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

| Version | Issue date | Description of the amendments |
|---------|------------|-------------------------------|
| 6 | 09/10/2018 | |
| 5 | 08/03/2018 | |
| 4.01 | 03/05/2016 | |
| 4 | 05/01/2015 | |
| 3 | 06/08/2014 | |
| 2 | 04/04/2014 | |
| 1 | 04/01/2013 | |

Literature information Classification according to Regulation (EC) No 1272/2008 [CLP]

Peritab

Safety information according to Regulation (EC) No. 1907/2006 (REACH), Article 32

Biocides are regarded as registered substances according to Regulation (EC) No. 1907/2006 [REACH], Article 15 (1 and 2).

Texts of the regulatory sentences

| | |
|-------------------|------------------------------------|
| Acute Tox. 4 Oral | Acute toxicity (oral) - Category 4 |
| Eye Dam. 1 | Serious eye damage, Category 1 |
| Eye Irrit. 2 | Eye irritation - Category 2 |
| H302 | Harmful if swallowed |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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