# Boost: OXY; Oxygen Boost

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), as retained and amended in UK law
Date of issue: 16/05/2023 Version: 1.0

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

### 1.1. Product identifier

| | | |
|---|---|---|
| Product form | : | Mixture |
| Product name | : | Boost: OXY; Oxygen Boost |
| Product code | : | 1405, 1405A, 1405C, 14051, 1604291, 1621458; Oxygen Boost (1134N, 1621265, 1614036) |
| Unique Formula Identifier | : | KH00-T0QD-W007-N71U |

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

#### 1.2.1. Relevant identified uses

| | | |
|---|---|---|
| Main use category | : | Consumer use |
| Use of the substance/mixture | : | Cleaning products for carpet/upholstery |

#### 1.2.2. Uses advised against

| | | |
|---|---|---|
| Restrictions on use | : | Anything other than the above |

### 1.3. Details of the supplier of the safety data sheet

BISSELL International Trading Company B.V. d/b/a BISSELL Homecare International
Postbus 12874
1100 AW Amsterdam
Zuidoost
The Netherlands

EU Telephone : 31-20-305-1340
UK Telephone : 0344-888-6644
E-mail : SDS@BISSELL.com

### 1.4. Emergency telephone number

| | | |
|---|---|---|
| Emergency number | : | 1 703-527-3887 (International) Chemtrec<br>24 hours |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Eye Irrit. 2 H319

Full text of hazard classes, H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

No additional information available

### 2.2. Label elements

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

Hazard pictograms (CLP) :

GHS07

| | | |
|---|---|---|
| Signal word (CLP) | : | Warning |
| Hazard statements (CLP) | : | H319 - Causes serious eye irritation. |
| Precautionary statements (CLP) | : | P102 - Keep out of reach of children.<br>P305+P351 - IF IN EYES: Rinse cautiously with water for several minutes.<br>P337+P313 - If eye irritation persists: Get medical advice/attention. |

### 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| hydrogen peroxide solution… % | CAS-No.: 7722-84-1<br>EC No.: 231-765-0<br>EC index No.: 008-003-00-9 | 5 ≤ - < 8 | Ox. Liq. 1, H271<br>Acute Tox. 4 (Oral), H302 (ATE=1026 mg/kg bodyweight)<br>Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h)<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>STOT SE 3, H335<br>Aquatic Chronic 3, H412 |

| Specific concentration limits: | | |
|---|---|---|
| **Name** | **Product identifier** | **Specific concentration limits (%)** |
| hydrogen peroxide solution… % | CAS-No.: 7722-84-1<br>EC No.: 231-765-0<br>EC index No.: 008-003-00-9 | (5 ≤ C < 8) Eye Irrit. 2, H319<br>(8 ≤ C < 50) Eye Dam. 1, H318<br>(35 ≤ C < 50) Skin Irrit. 2, H315<br>(35 ≤ C ≤ 100) STOT SE 3, H335<br>(50 ≤ C < 70) Skin Corr. 1B, H314<br>(50 ≤ C < 70) Ox. Liq. 2, H272<br>(70 ≤ C ≤ 100) Skin Corr. 1A, H314<br>(70 ≤ C ≤ 100) Ox. Liq. 1, H271 |

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Use personal protective equipment as required. If medical advice is needed, have product container or label at hand.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Wash affected skin with plenty of water or soap and water. If symptoms develop, obtain medical attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Immediately call a POISON CENTRE or doctor/physician. Do not induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after eye contact : Causes serious eye irritation.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Not combustible. Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media : None known.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.
Explosion hazard : Not available.
Hazardous decomposition products in case of fire : Hazardous decomposition products in case of fire. Carbon monoxide. Carbon dioxide. Thermal decomposition can lead to release of irritating and toxic gases and vapours.

### 5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Avoid fire-fighting water entering the environment.
Protection during firefighting : Use self-contained breathing apparatus when in close proximity to fire. Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Ventilate area. Avoid inhalation of vapours. Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing.

#### 6.1.2. For emergency responders

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Ventilate area. Avoid inhalation of vapours. Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Stop leak if safe to do so.
Methods for cleaning up : In case of large spillages: Absorb remaining liquid with sand or inert absorbent and remove to safe place. Dispose in a safe manner in accordance with local/national regulations. Ventilate area. Wash contaminated area with large amounts of water. Small spills: Collect spillage. Dispose in a safe manner in accordance with local/national regulations.

### 6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Keep out of the reach of children. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Hygiene measures : Keep good industrial hygiene. When using do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Wash hands, every exposed part thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of reach of children. Keep only in the original container in a cool,well-ventilated place away from combustible materials.

Incompatible materials : Combustible materials. Copper alloys. Galvanized iron. Strong reducing agents. Heavy metals. Iron. Contact with metals, metallic ions, alkalis, reducing agents and organic matter may produce decomposition.

### 7.3. Specific end use(s)

Cleaning products for carpet/upholstery.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| hydrogen peroxide solution… % (7722-84-1) | |
|---|---|
| **United Kingdom - Occupational Exposure Limits** | |
| Local name | Hydrogen peroxide |
| WEL TWA (mg/m³) | 1.4 mg/m³ |
| WEL TWA (ppm) | 1 ppm |
| WEL STEL (mg/m³) | 2.8 mg/m³ |
| WEL STEL (ppm) | 2 ppm |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:**
Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded. Avoid inhalation of vapours. Avoid contact with skin, eyes and clothing.

#### 8.2.2. Personal protection equipment

**Personal protective equipment:**
Avoid all unnecessary exposure. Wear suitable protective clothing.

#### 8.2.2.1. Eye and face protection

**Eye protection:**
Not required for normal conditions of use

#### 8.2.2.2. Skin protection

**Skin and body protection:**
Long sleeved clothing recommended

**Hand protection:**
Not required for normal conditions of use

#### 8.2.2.3. Respiratory protection

**Respiratory protection:**
Not required for normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

**Thermal hazard protection:**
Not required for normal conditions of use.

### 8.2.3. Environmental exposure controls

**Environmental exposure controls:**
Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Appearance | : | Clear, colourless liquid. |
| Colour | : | Colourless. |
| Odour | : | None. |
| Odour threshold | : | > 50 mg/m³ |
| pH | : | 2.2 – 2.8 |
| pH solution concentration | : | 100 % |
| Relative evaporation rate (butylacetate=1) | : | > 1 |
| Melting point | : | Not applicable. |
| Freezing point | : | 0 °C |
| Boiling point | : | 100 °C |
| Flash point | : | Not flammable |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Flammability (solid, gas) | : | Not flammable |
| Vapour pressure | : | < 17.5 mm Hg at 20 °C |
| Relative vapour density at 20°C | : | No information available |
| Relative density | : | No data available |
| Density | : | 1 g/ml at 20 °C |
| Solubility | : | Water: completely soluble at 20 °C |
| Log Pow | : | No data available |
| Log Kow | : | < 1 |
| Viscosity, kinematic | : | < 2 mm²/s |
| Viscosity, dynamic | : | < 2 cP at 20 °C |
| Explosive properties | : | Not explosive. |
| Oxidising properties | : | Not oxidising. |
| Explosive limits | : | No data available |

### 9.2. Other information

| | | |
|---|---|---|
| VOC content | : | 0 g/l |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7).

### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Heat.

### 10.5. Incompatible materials

Combustible materials. Copper alloys. Galvanized iron. Strong reducing agents. Heavy metals. Iron. Contact with metals, metallic ions, alkalis, reducing agents and organic matter may produce decomposition.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire. See Section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| Boost: OXY; Oxygen Boost | |
|---|---|
| LD50 oral, rat | 2000 – 5000 mg/kg |
| LD50 dermal | 2000 – 5000 mg/kg |
| LC50, acute, Inhalation | > 20 mg/l |

| hydrogen peroxide solution… % (7722-84-1) | |
|---|---|
| LD50 oral, rat | 1026 mg/kg bodyweight Rat (male), (OECD 401 method), (70 % Solution) |
| LD50 oral | 693.7 mg/kg (rat, female) (OECD 401 method), (70 % Solution) |
| LD50 dermal, rabbit | > 2000 mg/kg bodyweight |
| LC50 inhalation, rat (vapours - mg/l/4h) | > 0.17 mg/l/4h |

Skin corrosion/irritation : Not classified
pH: 2.2 – 2.8
Serious eye damage/irritation : Causes serious eye irritation.
pH: 2.2 – 2.8
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified

| hydrogen peroxide solution… % (7722-84-1) | |
|---|---|
| STOT-single exposure | May cause respiratory irritation. |

STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

| Boost: OXY; Oxygen Boost | |
|---|---|
| Viscosity, kinematic | < 2 mm²/s |

Potential adverse human health effects and symptoms : Causes serious eye irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Not classified

| Boost: OXY; Oxygen Boost | |
|---|---|
| LC50 fish | > 100 – 1000 mg/l |
| EC50 Daphnia | 100 – 1000 mg/l |
| EC50 72h - Algae [1] | 100 – 1000 mg/l |

| hydrogen peroxide solution… % (7722-84-1) | |
|---|---|
| LC50 fish | 16.4 mg/l - 96 Hours (Pimephales promelas) |
| EC50 Daphnia | 2.4 mg/l - 48 Hours (Daphnia pulex) |
| EC50 72h - Algae [1] | 1.38 mg/l - 72 Hours (Skeletonema costatum) |
| NOEC chronic crustacea | 0.63 mg/l - 21 days (Daphnia magna) |

### 12.2. Persistence and degradability

| hydrogen peroxide solution… % (7722-84-1) | |
|---|---|
| Persistence and degradability | Readily biodegradable in water. |
| Biodegradation | > 99 % (30 minutes) |

### 12.3. Bioaccumulative potential

| Boost: OXY; Oxygen Boost | |
|---|---|
| Log Kow | < 1 |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

| Component | |
|---|---|
| hydrogen peroxide solution… % (7722-84-1) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Empty containers should be taken to an approved waste handling site for recycling or disposal. Prevent entry to sewers and public waters. Small amounts may be diluted with plenty of water and washed away. Dispose in a safe manner in accordance with local/national regulations. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation. The correct waste code must be determined by the producer of the waste, based on how the waste has been produced.

Additional information : Handle empty containers with care. Non-contaminated packages may be recycled.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with / ADR / IMDG / IATA / ADN / RID

### 14.1 UN number

| | | |
|---|---|---|
| UN-No. (ADR) | : | Not applicable |
| UN-No. (IMDG) | : | Not applicable |
| UN-No. (IATA) | : | Not applicable |
| UN-No. (ADN) | : | Not applicable |
| UN-No. (RID) | : | Not applicable |

### 14.2. UN proper shipping name

| | | |
|---|---|---|
| Proper Shipping Name | : | Not applicable |
| Proper Shipping Name (IMDG) | : | Not applicable |
| Proper Shipping Name (IATA) | : | Not applicable |
| Proper Shipping Name (ADN) | : | Not applicable |
| Proper Shipping Name (RID) | : | Not applicable |

### 14.3. Transport hazard class(es)

**ADR**

Transport hazard class(es) (ADR) : Not applicable

**IMDG**

Transport hazard class(es) (IMDG) : Not applicable

**IATA**

Transport hazard class(es) (IATA) : Not applicable

**ADN**

Transport hazard class(es) (ADN) : Not applicable

**RID**

Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

| | | |
|---|---|---|
| Packing group | : | Not applicable |
| Packing group (IMDG) | : | Not applicable |
| Packing group (IATA) | : | Not applicable |
| Packing group (ADN) | : | Not applicable |
| Packing group (RID) | : | Not applicable |

### 14.5. Environmental hazards

| | | |
|---|---|---|
| Dangerous for the environment | : | No |
| Marine pollutant | : | No |
| Other information | : | No supplementary information available |

### 14.6. Special precautions for user

**Overland transport**

Not applicable

**Transport by sea**

Not applicable

**Air transport**

Not applicable

**Inland waterway transport**

Not applicable

#### Rail transport

Not applicable

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

#### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

#### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### VOC Directive (2004/42)

VOC content : 0 g/l

#### Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

**ANNEX I RESTRICTED EXPLOSIVES PRECURSORS**

List of substances which shall not be made available to, or introduced, possessed or used by, members of the general public, whether on their own or in mixtures or substances that include those substances, unless the concentration is equal to or lower than the limit values set out in column 2, and for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

| Name | CAS-No. | Limit value | Upper limit value for licensing under Article 5(3) | Combined Nomenclature (CN) code for a separate chemically defined compound meeting the requirements of Note 1 to Chapter 28 or 29 of the CN, respectively | Combined Nomenclature code for mixture without constituents which would determine classification under another CN code |
|---|---|---|---|---|---|
| Hydrogen peroxide | 7722-84-1 | 12 % w/w | 35% w/w | 2847 00 00 | ex 3824 99 96 |

Please see https://home-affairs.ec.europa.eu/policies/internal-security/counter-terrorism-and-radicalisation/protection/legislation-chemicals-used-home-made-explosives_en

#### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: | |
|---|---|
| ATE | Acute Toxicity Estimate |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| CAS-No. | Chemical Abstract Service number |
| EC50 | Median effective concentration |
| PBT | Persistent Bioaccumulative Toxic |
| LD50 | Median lethal dose |
| LC50 | Median lethal concentration |
| OECD | Organisation for Economic Co-operation and Development |
| SDS | Safety Data Sheet |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| OEL | Occupational Exposure Limit |
| IOELV | Indicative Occupational Exposure Limit Value |
| VOC | Volatile Organic Compounds |

Data 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. ECHA (European Chemicals Agency). REACH registration dossier. Supplier Safety Data Sheet.

Other information : Classification procedure according to Regulation (EC) No. 1272/2008 [CLP]: Health hazards: Calculation method. Physical hazards: On basis of test data. Environmental hazards: Calculation method.

| Full text of H- and EUH-statements: | |
|---|---|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| H271 | May cause fire or explosion; strong oxidiser. |
| H272 | May intensify fire; oxidiser. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |

| Full text of H- and EUH-statements: | |
|---|---|
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Ox. Liq. 1 | Oxidising Liquids, Category 1 |
| Ox. Liq. 2 | Oxidising Liquids, Category 2 |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1, Sub-Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.