

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) subsequently amended

Date of compilation: 23.03.2020

Product code: P-OZ-003-01

Version: 1.0

Revision: -

Replaced version: -

Page: 1 of 6

Trade Name: **Advanced Hand Sanitizer v2**

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

1.1 Product identifier:

Trade Name:

Advanced Hand Sanitizer v2

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

Identified uses:

Hand Sanitizer

Uses advised against:

Only for identified uses.

1.3 Details of the supplier of the safety data sheet:

P1 Performance Fuels GmbH**Choriner Str. 72****10119 Berlin****Germany**

Telephone: +49 (0) 15254616099

e-mail: info@p1fuels.com

Website: www.p1fuels.com

1.4 Emergency telephone number:

Giftnotruf der Charité - Universitätsmedizin Berlin Campus Benjamin Franklin, Hindenburgdamm 30, 12203 Berlin
+49 30 19240 (24 hour service)

SECTION 2: Hazards identification

The mixture is classified as dangerous as follows:

2.1 Classification of the mixture:

according to 1272/2008/EC

Flam. Liq. 2: H225

Eye Irrit. 3: H320

STOT SE 3: H336

The most important adverse physicochemical, human health and environmental effects:

Highly flammable liquid and vapour. Causes eye irritation. May cause drowsiness or dizziness.

2.2 Label elements:

Labeling according to
1272/2008/EC

signal word

Danger.

hazard statements

H225: Highly flammable liquid and vapour.

H320: Causes eye irritation.

H336: May cause drowsiness or dizziness.

precautionary statements

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261: Avoid breathing vapours.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

supplemental hazard information

not given

2.3 Other hazards:

In use, may form flammable/explosive vapour-air mixture

The mixture meets not the criteria for PBT or vPvB .

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Page: 2 of 6

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

3.2.1 Components of a mixture classified as hazardous:

| Chemical identity | CAS number EC number | Content (wt. %) | Classification 1272/2008/EC |
|--------------------------|---------------------------------|------------------------|---|
| Isopropyl alcohol | 67-63-0 200-661-7 | 70 - 80 | Flam. Liq. 2: H225 Eye Irrit. 2: H319 STOT SE 3: H336 |
| Hydrogen peroxide | 7722-84-1 231-765-0 | 0 - 1 | Ox. Liq. 1: H271 Skin Corr. 1B: H314 Eye Dam. 1: H318 |

SECTION 4: First aid measures

In all cases keep the person at physical and mental rest and warm. Always seek for medical help.

4.1 Description of first aid measures:

Inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin contact:

This product is formulated for use on skin but should be rinsed off when possible.

Eye contact:

Rinse with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Never neutralize!

Ingestion:

Rinse out mouth with clean water, give 0,2 to 0,5 l water to drink, do not induce vomiting. Do not attempt to neutralize. Immediately call in physician. Never give anything by mouth to an unconscious person.

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

Causes eye irritation. This irritation can lead to redness and swelling of the eye.
If swallowed, it is not recommended to bring Ipecac to induce vomiting.

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:

Small fire:

water spray (fog), foam, dry chemical or CO₂.

Extensive fire:

Fragmented water currents (water spray), foam.

Extinguishing media which shall not be used for safety reasons:

Do not use strong water jet.

5.2 Special hazards arising from the substance:

The combustion products: CO, CO₂ and products of incomplete combustion.

5.3 Advice for firefighters:

In the event of fire, wear self-contained breathing apparatus and clothing protective against chemicals. Cool all affected containers with flooding quantities of water.

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Page: 3 of 6

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SECTION 6: Accidental release measures

Spill Clean-up:

Eliminate all ignition sources. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Do not breathe vapor or mist. Do not ingest. No special precautions are necessary if used as intended. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities:

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store between the following temperatures: 4.4°C - 49°C (40°F - 120°F). Keep container tightly closed and sealed until ready for use. Do not store in unlabelled containers. Avoid all possible sources of ignition (spark or flame). Keep out of the reach of children.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Exposure limit value:

Isopropyl alcohol:

Long-term exposure: 500 mg/m³

Short-term exposure: 1000 mg/m³

8.1.2 DNEL and PNEC:

DNEL/PNEC: No data available.

8.2 Exposure controls

8.2.1 Exposure reduction (technical measures):

Where exposure cannot be prevented by other means the use of individual protection measures, such as personal protection equipment is necessary.

8.2.2 Individual protection measures, such as personal protective equipment:

| | |
|--------------------------------|--|
| <i>Respiratory protection:</i> | A respirator is not needed under normal and intended conditions of product use. Use with adequate ventilation. |
| <i>Hand protection:</i> | No special protective clothing is required. |
| <i>Eye/face protection:</i> | No special protection is required. Avoid contact with eyes. |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

| | |
|--------------------------------------|------------------|
| State | Liquid (gel) |
| Appearance (at 20 °C): | Clear and bright |
| Colour | Colorless |
| Odour: | Alcohol-like |
| Odour threshold: | not available |
| pH (at 20 °C): | 6.0 |
| Melting point/freezing point: | not available |
| Boiling point (range): | 77 °C |
| Flash point: | not available |
| Evaporation rate: | not available |
| Flammability: | not available |

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Page: 4 of 6

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| | | |
|--|------------------|--------------------|
| Explosive limits | Lower (% vol.): | not available |
| | Higher (% vol.): | not available |
| Vapour pressure: (at 37.8 °C) | | 49 kPa |
| Vapour density: | | not available |
| Relative density: | | 0.840 – 0.850 kg/L |
| Solubility in water (at 20 °C) : | | Miscible |
| Partition coefficient: n-octanol/water: | | not available |
| Auto-ignition temperature: | | not available |
| Decomposition temperature: | | not available |
| Viscosity (at 40 °C): | | not available |
| Explosive properties: | | not classified |
| Oxidising properties: | | not classified |

9.2 Other information

not known

SECTION 10: Stability and reactivity

10.1 Reactivity:

Stable under recommended transport or storage conditions.

10.2 Chemical stability:

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions:

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid:

Heat. Hot surfaces. Sources of ignition. Flames.

10.5 Incompatible materials:

Avoid contact with strong oxidizers, excessive heat, sparks or open flame.

10.6 Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:

- LD₅₀ oral, rat:

5045 mg/kg – Isopropyl alcohol

- LD₅₀ inhalation, rat:

16000 mg/kg (8h) – Isopropyl alcohol

- LD₅₀ dermal, rabbit

5030 mg/kg – Isopropyl alcohol

Skin corrosion/irritation:

does not contain these substances (or less than the classification limit).

Serious eye damage/irritation:

mixture is classified as irritating to eye

Respiratory or skin sensitisation:

does not contain these substances (or less than the classification limit).

Carcinogenicity:

does not contain these substances (or less than the classification limit).

Germ cell mutagenicity:

does not contain these substances (or less than the classification limit).

Reproductive toxicity:

does not contain these substances (or less than the classification limit).

STOT – single exposure:

mixture is classified as specific target organ toxicity - single exposure, category 3. May cause drowsiness or dizziness.

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Page: 5 of 6

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does not contain these substances (or less than the classification limit).

Aspiration hazard:

does not contain these substances (or less than the classification limit).

Other information:

See section 2 and 4.

SECTION 12: Ecological information

12.1 Toxicity:**Hazardous ingredients:** No hazardous ingredients**12.2 Persistence and degradability:**

Biodegradable.

12.3 Bioaccumulative potential

No bioaccumulation potential.

12.4 Mobility in soil:

Readily adsorbed into soil.

12.5 Results of PBT and vPvB assessment:

This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects: Negligible ecotoxicity.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:**Disposal operations:** Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.**Waste code number:** none

SECTION 14: Transport Information

14.1 UN number:

UN1987

14.2 UN proper shipping name:

- ADR/RID/IMDG/IATA

ALCOHOLS, N.O.S.

14.3 Transport hazard class(es):

3

14.4 Packing group:

II

14.5 Environmental hazards:**Marine pollutant:**

No

No

14.6 Special precautions for user:

none

ADR/RID:

- tunnel restriction code

D/E

- transport category

2

SECTION 15: Regulatory information

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

Regulation No. 1907/2006/ES, REACH.

Regulation No. 1272/2008/ES, CLP.

15.2 Chemical safety assessment:

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: Other information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

ADVANCED

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Sanitizer****SAFETY DATA SHEET**

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Page: 6 of 6

Trade Name: **Advanced Hand Sanitizer v2****List of H-phrases:**

H225: Flammable liquid and vapour.
H271: May cause fire or explosion; strong oxidizer.
H314: Causes severe skin burns and eye damage
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H320: Causes eye irritation.
H336: May cause drowsiness or dizziness.

Legal disclaimer:

The company shall not be held liable for any damages resulting from misuse of the above mentioned product. Misuse being the failure to fully comply with all instructions set out according to the safety data sheet.

Training advice:

According to MSDS.

Other information:

Classification according to data from manufacturer. This substance isn't subject to harmonized classification.

Disclaimer of liability:

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