

SAFETY DATA SHEETRevision Date/ No:0.0
Issue Date: 16.04.2020
Form No:21

According to Regulation (EU) No 2015/830

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier****Product name** EDGE ANTIBACTERIAL HAND AND SKIN SPREY**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** Hand and skin disinfectant**1.3. Details of the supplier of the safety data sheet****Manufacturer** Kozmo Kimya San. Ve Dış Tic. Ltd. Şti
Velimeşe Organize Sanayi Bölgesi
212. Sok. No :1/1
Ergene/TEKİRDAĞ**Contact Person** Gökce Mollaoğlu**1.4. Emergency telephone number****Kimya San. Tic. A.Ş:** +90 282 676 46 80 (08:30-19:00)
+90 507 392 94 15**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****Classification (EC 1272/2008)**

Physical and Chemical Hazards	Flam. Aerosol 1- H222+H229
Human health	Eye irrit 2 - H319
Environment	Not classified.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

**Signal Word**

Danger

Hazard Statements

H222	Extremely flammable aerosol..
H229	Pressurised container: May burst if heated.
H319	Causes serious eye irritation.

Precautionary Statements

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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P211	Do not spray on an open flame or other ignition source
P251	Do not pierce or burn, even after use.
P410+412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures**

Name	CAS No.	Content	Classification (EC 1272/2008)
BUTANE	106-97-8	5.00-15.00	Flam. Gas 1, H220 Liq.Gas, H280
ISOBUTANE	75-28-5	1.00-10.00	Flam. Gas 1, H220 Liq.Gas, H280
PROPANE	74-98-6	1.00-10.00	Flam. Gas 1, H220 Liq.Gas, H280
ETHYL ALCOHOL	64-17-5	50.00-80.00	Flam. Liq.2, H225 Eye Irrit. 2, H319
BENZALKONIUM CHLORIDE	68424-85-1	0,05-0,15	Skin Corr. 1B, H314 Aquatic Acute 1,H400 Aquatic Chronic 1, H410 Acute Tox.4, H302 Eye Dam.1 H318
SODIUM BENZOATE	532-32-1	0,05-0,15	Eye irrit. 2, H319
SODIUM NITRITE	7632-00-0	0,05-0,15	Ox. Sol. 3 , H279 Acute tox. 3 (oral), H319 Eye irrit. 2, H319 Aquatic acute 1,H400

The Full Text for all Hazard Statements are Displayed in Section 16.

Composition Comments

- The data shown are in accordance with the latest EC Directives.

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures****Inhalation**

Remove from exposure, taking care to avoid inhaling vapours. Obtain medical attention if symptoms appear.

Ingestion

In the unlikely event of ingestion, obtain medical attention immediately.

Skin contact

Obtain medical attention if soreness or redness persists.

Eye contact

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open.

Remove contact lenses if possible.

Obtain medical attention..

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

- Inhalation** : Inhalation of high vapour concentrations may cause transient irritation of the respiratory tract, headache, nausea.
- Ingestion** : Swallowing may have the following effects: central nervous system depression, nausea/vomiting, symptoms similar to alcoholic beverage intoxication.
- Skin contact** : Material may cause slight irritation on prolonged or repeated contact.
- Eye contact** : Liquid or vapour may cause eye irritation.

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

Treat Symptomatically. No special measures required. Treat symptomatically

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Dry chemical, alcohol resistant foam, carbon dioxide, water spray

5.2. Special hazards arising from the substance or mixture

Specific hazards

Aerosol Product - Containers may rocket or explode in heat of fire.

5.3. Advice for firefighters

Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid substance contact. Do not breathe vapours, aerosols. Keep away from heat and sources of ignition. Evacuate the danger area, observe the emergency procedures, consult an expert.

6.2. Environmental precautions

Outside of normal use, avoid release to the environment.

6.3. Methods and material for containment and cleaning up

If damage occurs to aerosol can: Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Use only non-sparking equipment. Dike large spills. Clean residue from spill site.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with eyes and clothing. For personal protection see section 8.
Note: Intentional misuse by deliberately concentrating and

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inhaling the contents can be harmful or fatal. Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.
Pressurized container.
Do not pierce or burn, even after use.
Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from sources of ignition - No smoking.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Keep in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

Name	Cas No	Threshold Limits, mg/m ³	Specific effects	Notas
Ethanol	64-17-5	1000 mg/m ³ (duration- 8h)	No data available	---

8.2. Exposure controls**Protective equipment**

No special requirements.

Hand protection

No special requirements.

Eye protection

No special requirements.

Hygiene measures

Do not inhale substance.
Danger because of wicking-effect.
Do not eat, drink or smoke when using this product.

Skin protection

No special requirements.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance	Aerosol
Colour	Colourless
Odour	Characteristic
Boiling Point	Test not applicable for this product type
Melting point	Test not applicable for this product type

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pH-Value	6,0-9,0
Flash Point	-74 °C propellant Method: Tag Closed Cup (TCC) (for propellant)
Density	0,8-1,0
Viscosity	No data available.
Partition Coefficient (N-Octanol/Water)	Not available.

9.2. Other information

No information required.

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Stable under recommended storage conditions.

10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapours.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Acute toxicity****Ethanol**

Acute toxicity: LD50 Rat, oral: 6.2 g/kg bw (OECD 401)

LD50 dermal: > No data available

LC50 Rat, inhalative: 50 mg/L/4h

Benzalkonium chloride

Acute toxicity: LD50 Rat, oral: 795mg/kg bw (OECD 401)

LD50 Rat, dermal: > 1560 mg/kg

LC50 Rat, inhalative: 50 mg/L/4h

Serious eye damage/irritation

Causes serious eye irritation.

Skin irritation and corrosive

No classification proposed.

Skin sensitization

No classification proposed.

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Inhalation

No classification proposed.

Ingestion

No classification proposed.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Product : The product itself has not been tested

Ethanol

FISH:

LC50 (96hr) Salmo gairdneri: 13g/l;

Pimephales promelas: 13.5, 14.2 and 15.3g/l.

INVERTEBRATES FRESHWATER:

EC50 (48hr) Daphnia Magna: 12.34g/l;

NOEC (reproduction, 21 days): >10mg/l.

Ceriodaphnia dubia: EC50 (48hrs): 5.012g/l;

NOEC (reproduction, 10 days): 9.6mg/l.

Palaemonetes pugio NOEC (developmental, 10 days): 79mg/l.

INVERTEBRATES SALTWATER:

EC50 (24hr) Artemia salina 23.9, >10g/l;

EC50 (48hr) Artemia salina nauplii: 857mg/l

AQUATIC ALGAE FRESHWATER:

Chlorella vulgaris, 72hr: EC50 275mg/l, EC10 11.5mg/l;

Selenastrum capricornutum, 72hr, EC50: 12.9g/l, EC10=0.44g/l;

Chlamydomonas eugametos, 48hr, EC50: 18g/l, NOEC=7.9g/l

AQUATIC ALGAE SALTWATER:

Skeletonema costatum, NOEC (5 days): 3.24g/l.

Benzalkonium chloride

EC50 (48hr) Daphnia Magna: 0.03 mg/l; (OECD 202)

Selenastrum capricornutum, 96hr, EC50: 0.06 mg/l (OECD 201)

LC50 / 96 h 1.7 mg/l (rainbox trout) (OECD 203)

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

Mobility:

Insoluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

SECTION 13: DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist..

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SECTION 14: TRANSPORT INFORMATION

14.1. UN number

1950

14.2. UN proper shipping name

AEROSOLS,
Flammable

14.3. Transport hazard class(es)

2.1



14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Limited quantities derogation may be applicable to this product, please check transport documents.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Product not transported as bulk.

SECTION 15: REGULATORY INFORMATION

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

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.
Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

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..

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

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Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
IATA: International Air Transport Association.
ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
CAS: Chemical Abstracts Service.
ATE: Acute Toxicity Estimate.
LC₅₀: Lethal Concentration to 50 % of a test population.
LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
EC₅₀: 50% of maximal Effective Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.

Revision Comments

Revised according to CLP Regulation.

Hazard Statements In Full

H220: Extremely flammable gas.
H222: Extremely flammable aerosol.
H225: Highly flammable liquid and vapour.
H229: Pressurised container: May burst if heated.
H280: Contains gas under pressure; may explode if heated.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage
H319: Causes serious eye irritation.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

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