

SAFETY DATA SHEETRevision Date/ No:0.0
Issue Date: 11.08.2022
Form No:238

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** POLO OVEN CLEANER**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** Oven Cleaner**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****Kozmo 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	Skin Corr. 1A - H314 Eye Dam. 1, H318
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.
H314	Causes severe skin burns and eye damage.

Precautionary Statements

P102	Keep out of reach of children.
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SAFETY DATA SHEET

Revision Date/ No:0.0
Issue Date: 11.08.2022
Form No:238

According to Regulation (EU) No 2015/830

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source
P251	Do not pierce or burn, even after use.
P260	Do not breathe fumes, mists, vapours or spray.
P264	Wash contacted areas thoroughly after handling.
P280	Wear protective gloves, protective clothing and eye or face protection.
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

May cause skin and eye irritation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Materials

Does not apply.

3.2. Mixtures

Name	CAS No.	Content	Classification (EC 1272/2008)
BUTANE	106-97-8	%2.00 - 4.00	Flam. Gas 1, H220 Liq.Gas, H280
ISOBUTANE	75-28-5	%1.00 - 3.00	Flam. Gas 1, H220 Liq.Gas, H280
PROPANE	74-98-6	%1.00 -3.00	Flam. Gas 1, H220 Liq.Gas, H280
SODIUM HYDROXIDE	1310-73-2	%0.5 – 5.00	Met. Corr. 1 : H290 Skin Corr. 1A : H314
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	%0.50 – 1.50	Acute Tox. category 4 H332 Acute Tox. category 4 H312 Acute Tox. category 4 H302 Skin Irrit. category 2 H315 Eye Irrit. category 2 H319
ALKYL POLYGLYCOSIDE	68515-73-1	%0.50 – 1.50	Eye Dam. 1; H318
SODIUM LAURYL SULFATE	151-21-3	%0.50 – 1.50	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
CITRAL	5392-40-5	%0,01 – 0,025	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
d-LIMONENE	5989-27-5	%0,005 – 0,01	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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.

According to Regulation (EU) No 2015/830

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..

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

Carbon dioxide. Dry chemical powder.

Use water spray or fog nozzle to keep cylinder cool. Move cylinder away from fire if there is no risk.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Aerosol Product – Contains flammable component.

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

SAFETY DATA SHEET

Revision Date/ No:0.0
Issue Date: 11.08.2022
Form No:238

According to Regulation (EU) No 2015/830

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 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	Standard	TWA-8 HOUR		STEL-15 MIN	
BUTANE	WEL	600 ppm	1450 mg/m ³	750 ppm	1810 mg/m ³
PROPANE	WEL	1000 ppm	1800 mg/m ³	-	2,8 mg/m ³

WEL : Workplace Exposure Limit

8.2. Exposure controls

Protective equipment

According to Regulation (EU) No 2015/830

**Process Conditions**

Provide eyewash, safety shower.

Technical measures

Provide adequate general and local exhaust ventilation.

Hand protection

Use protective gloves made of: Rubber, neoprene or PVC. The glove vendor will be able to provide information on the permeability / breakdown time of the glove material..

Eye protection

Wear splash-proof goggles to prevent any possible eye contact.

Hygiene measures

Do not inhale substance.

Danger because of wicking-effect.

Do not eat, drink or smoke when using this product.

Skin protection

In case of contact wear apron or protective clothing.

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

Appearance	Aerosol
Colour	White foamy spray.
Odour	Characteristic
Boiling Point	Test not applicable for this product type
Melting point	Test not applicable for this product type
pH-Value	12.00 – 14.00
Flash Point	-74 °C propellant Method: Tag Closed Cup (TCC) (for propellant)
Density	1.04 -1,08
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.

SAFETY DATA SHEET

Revision Date/ No:0.0
Issue Date: 11.08.2022
Form No:238

According to Regulation (EU) No 2015/830

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

Sodium Hydroxide

Oral route, LD 50: No Data
Dermal route, LD 50: No Data
Inhalation, LC 50: No Data

Sodium Lauryl Sulfate

Oral route, LD 50: Rat 500 – 5000 mg/kg
Dermal route, LD 50: No Data
Inhalation, LC 50: No Data

Ethylene Glycol Monobutyl Ether

Oral route, LD 50: 1414 mg/kg bw
Dermal route, LD 50: > 2000 mg/kg bw
Inhalation, LC 50: > 2.25 mg/l

Alkyl Polyglycoside

Oral route, LD 50: rat > 2000 mg/kg
Dermal route, LD 50: rat > 2000 mg/kg
Inhalation, LC 50: No Data

Serious eye damage/irritation

Causes serious eye irritation.

Skin irritation and corrosive

Causes serious skin irritation.

Skin sensitization

May cause an allergic skin reaction.

Inhalation

Vapors may irritate the upper-respiratory tract system. Inhalation of vapor or mist may cause headaches, dizziness and nausea.

Ingestion

This is an aerosol product, ingestion is unlikely to occur. MAY BE HARMFUL IF SWALLOWED..

SECTION 12: ECOLOGICAL INFORMATION

SAFETY DATA SHEET

Revision Date/ No:0.0
Issue Date: 11.08.2022
Form No:238

According to Regulation (EU) No 2015/830

12.1. Toxicity

Ecotoxicity

Product : The product itself has not been tested

Sodium Hydroxide

Fishes, Gambusia affinis, LC 50, 96 h, 125 mg/l Conditions: pH > 10

Crustaceans, Ceriodaphnia dubia, EC 80, 48 h, 40 mg/l Conditions: pH > 10

Sodium Lauryl Sulfate

Daphnia obtusa EC50 Water flea : 9,2 – 10,4 mg/l 48 hours

Cirrhinus Mrigala LC50 Carp hawk fish: 0,59 mg/l 96 hours

Ethylene Glycol Monobutyl Ether

Acute toxicity fishes Oncorhynchus mykiss LC 50 : 1474 mg/l 96 h

Acute toxicity fishes Menidia sp. LC 50 : 1250 ppm 96 h

Acute toxicity crustacea Daphnia magna EC 50 : 1550 mg/l 48 h

Acute toxicity crustacea Daphnia magna IC 50 : 690 mg/l 72 h

Toxicity algae and other aquatic plants Pseudokirchneriella subcapitata EC 50 : 911 mg/l 72 h

Toxicity algae and other aquatic plants Pseudokirchneriella subcapitata NOEC: 88 mg/l 72 h

Long-term toxicity fish Danio rerio NOEC: >100 mg/l 21 day(s)

Toxicity aquatic micro-organisms Pseudomonas putida Toxicity threshold : 700 mg/l 16 h

Alkyl Polyglycoside

Ecotoxicology The product does not contain any substance(s) considered as harmful or toxic to aquatic organisms.

Persistence and Degradability Readily biodegradable. >60% BOD, 28 days, Closed Bottle Test (OECD 301D)

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..

SECTION 14: TRANSPORT INFORMATION

SAFETY DATA SHEET

Revision Date/ No:0.0
Issue Date: 11.08.2022
Form No:238

According to Regulation (EU) No 2015/830

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

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.

SAFETY DATA SHEET

Revision Date/ No:0.0
Issue Date: 11.08.2022
Form No:238

According to Regulation (EU) No 2015/830

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.
H229: Pressurised container: May burst if heated.
H280: Contains gas under pressure; may explode if heated.
H290: May be corrosive to metals.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.