

OVEN CLEANER RTU

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

1.1 - Product identifier

Trade name/designation OVEN CLEANER RTU

Chemical name

Product-type Mixture

Product code 61360DO BVH / 61360CO BVH

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

Relevant identified uses

- OVEN CLEANERS (spray, trigger) for consumer use

1.3 - Details of the supplier of the safety data sheet

Biovate Hygienics Ltd

Grafton House

Pury Hill Business Park

NN12 7LS Towcester United Kingdom

Telephone: 01328 851407

Website: www.biovatehygienics.com

Email: info@biovatehygienics.com

1.4 - Emergency telephone number

United Kingdom: NHS Direct:111

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Met. Corr. 1	Corrosive to metals - Category 1
Skin Irrit. 2	Irritation, Category 2
Eye Dam. 1	Serious eye damage, Category 1

2.2 - Label elements

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

Contains: Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS No.: 68891-38-3) | sodium hydroxide (CAS No.: 1310-73-2)

Signal word : Danger

Hazard pictograms



Hazard statements

H290	May be corrosive to metals
H315	Causes skin irritation
H318	Causes serious eye damage

Precautionary statements

OVEN CLEANER RTU

P234	Keep only in original packaging.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P390	Absorb spillage to prevent material damage.
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(es)	Specific concentration limit
sodium hydroxide	CAS No. : 1310-73-2 Index No. : 011-002-00-6 EC No. : 215-185-5	0 - 10	Eye Dam. 1 - H318 Met. Corr. 1 - H290 Skin Corr. 1A - H314	Not applicable
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	CAS No. : 68891-38-3 Index No. : EC No. : 500-234-8	0 - 10	Aquatic Chronic 3 - H412 Eye Dam. 1 - H318 Skin Irrit. 2 - H315	Not applicable
trisodium nitrilotriacetate	CAS No. : 5064-31-3 Index No. : 607-620-00-6 EC No. : 225-768-6	0 - 5	Acute Tox. 4 Oral - H302 Carc. 2 - H351 Eye Irrit. 2 - H319	Carc. 2 - H351 : 5>=%<=100

SECTION 4: First aid measures

4.1 - Description of first aid measures

<u>Following inhalation</u>	- Provide fresh air. - Seek medical advice immediately.
<u>Following skin contact</u>	- After contact with skin, wash immediately with plenty of water and soap. - In case of skin irritation, consult a physician.
<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>	- Rinse mouth thoroughly with water. - Do NOT induce vomiting. - Seek medical advice immediately.

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

<u>Symptoms and effects - Following inhalation</u>	- There may be shortness of breath and irritation of the throat and chest.
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<u>Symptoms and effects - Following skin contact</u>	- Causes skin irritation.
<u>Symptoms and effects - After eye contact</u>	- Serious eye damage/eye irritation
<u>Symptoms and effects - After ingestion</u>	- There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

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

- Treat symptomatically.
- Eye bathing equipment should be available on site.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO ₂) - Foam - Extinguishing powder
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<u>Unsuitable extinguishing media</u>	- Full water jet
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5.2 - Special hazards arising from the substance or mixture

<u>Special hazards arising from the substance or mixture</u>	- Corrosive - Hazardous combustion products
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5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.
- Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

<u>For non-emergency personnel</u>	- Use personal protection equipment. - Mark out the contaminated area with signs and prevent access to unauthorised access. - Provide adequate ventilation. - Turn leaking containers upside to prevent further escape of liquid
<u>For emergency responders</u>	- No information available.

6.2 - Environmental precautions

- Contain the spillage using bunding.
- Do not allow to enter into surface water or drains.

6.3 - Methods and material for containment and cleaning up

<u>Methods and material for containment</u>	- Clear spills immediately. - Clean-up should be dealt with only by qualified personnel familiar with the specific substance.
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Methods and material for cleaning up

- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

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: Skin contact
- Ensure adequate ventilation

Advices on general occupational hygiene

- Avoid contact with skin, eyes and clothes.
- Wash contaminated clothing prior to re-use.
- Wash hands before breaks and after work.
- When using do not eat, drink, smoke, sniff.
- Work in well-ventilated zones or use proper respiratory protection.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep container tightly closed in a cool, well-ventilated place.
- Only use containers specifically approved for the substance/product.

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

Appropriate engineering controls

- Ensure there is sufficient ventilation

Individual protection measures, such as personal protective equipment

- Eye protection



- Protective Clothing
- Protective gloves



- Wash hands thoroughly after handling.

SECTION 9: Physical and chemical properties

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9.1 - Information on basic physical and chemical properties

Physical state Colour	Liquid whitish	Appearance Odour	Liquid characteristic
Odour threshold		No data available	
pH		12.5	
Melting point		No data available	
Freezing point		No data available	
Boiling point		102 °C	
Flash point		No data available	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		1.055	
Density		No data available	
Solubility (Water)		Soluble in water.	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		Non-viscous	

Particle characteristics

Particle size	No data available
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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

- 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

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- Avoid direct sunlight.
- Avoid excessive heat for prolonged periods of time.

10.5 - Incompatible materials

- Strong Acids and Oxidising Agents

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.
- Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

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

- Based on available data, the classification criteria are not met.

Toxicity : Substances

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)

LD50 oral (rat)	4100 mg/kg
LD50 dermal (rat)	> 2000 mg/kg

Skin corrosion/irritation - Irritation, Category 2 - Causes skin irritation

- Irritating to skin.

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

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

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11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)

EC50 48 hr crustacea	7.4 mg/l
LC50 96 hr fish	> 7.1 mg/l
ErC50 algae	27.7 mg/l

sodium hydroxide (1310-73-2)

EC50 48 hr crustacea	156 mg/l
LC50 96 hr fish	55.6 mg/l

- 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	No data available

- 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 - Endocrine disrupting properties

12.7 - Other adverse effects

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- 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.
<u>Special precautions for waste treatment</u>	- No information available.
<u>Community or national or regional provisions</u>	- No information available.

SECTION 14: Transport information

14.1 - UN number or ID number

<u>UN number (ADR)</u>	:	UN1824
<u>UN number (RID)</u>	:	Not applicable
<u>UN number (ADN)</u>	:	Not applicable
<u>UN number (IMDG)</u>	:	Not applicable
<u>UN number (IATA)</u>	:	Not applicable

14.2 - UN proper shipping name

<u>UN proper shipping name (ADR)</u>	:	SODIUM HYDROXIDE SOLUTION
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14.3 - Transport hazard class(es)

<u>ADR Transport hazard class(es)</u>	:	8
<u>ADR Classification code:</u>	:	C5
<u>Pictograms</u>		



Pictograms

14.4 - Packing group

<u>Packing group</u>	:	II
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14.5 - Environmental hazards

<u>Environmental hazards</u>	:	No
<u>Marine pollutant</u>	:	No

14.6 - Special precautions for user

OVEN CLEANER RTU

ADR

ADR Classification code:	:	C5
ADR Special provisions	:	
ADR Limited quantity (LQ)	:	1L
ADR Excepted quantities	:	E2
ADR Packing instructions	:	P001 IBC02
ADR Special packing provisions	:	
ADR Mixed packing provisions	:	MP15
Instructions for portable tanks and bulk containers	:	T7
Special provisions for portable tanks and bulk containers	:	TP2
ADR tank code	:	L4BN
ADR tanks special provisions	:	TU42
Vehicle for tank carriage	:	AT
ADR Transport category	:	2
ADR Tunnel restriction code	:	E
ADR Special provisions loading, unloading and handling	:	
Special provisions - Packages	:	
Special provisions - Bulk	:	
Special provisions - Operation	:	
ADR Hazard identification number (Kemler No.)	:	80

14.7 - Maritime transport in bulk according to IMO instruments

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

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	Author	Description of the amendments
1	04/02/2022		

Texts of the regulatory sentences

Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Carc. 2	Carcinogenicity - Category 2
Eye Dam. 1	Serious eye damage, Category 1

OVEN CLEANER RTU

Eye Irrit. 2	Eye irritation - Category 2
H290	May be corrosive to metals
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H351	Suspected of causing cancer - state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard
Met. Corr. 1	Corrosive to metals - Category 1
Skin Corr. 1A	Skin corrosion, Category 1A
Skin Irrit. 2	Irritation, Category 2

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