

# CLEENOL

For a cleaner, safer world

## SAFETY DATA SHEET WARM OVEN SPRAY CLEANER

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

#### 1.1. Product identifier

Product name	WARM OVEN SPRAY CLEANER
Internal identification	0831392X5
Container size	2x5L

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

Identified uses	Removal of heavily encrusted carbon deposits from the internal areas of industrial and commercial ovens. Converts hardened deposits into a liquid that can be rinsed off easily.
Uses advised against	See separate Product Use Guide (PUG).

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

Supplier	Cleenol Group Ltd Neville House Beaumont Road Banbury Oxon OX16 1RB UK Tel: +44 (0)1295 251721 sales@cleenol.co.uk
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#### 1.4. Emergency telephone number

Emergency telephone	In case of a medical emergency following exposure to a chemical, call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards	Met. Corr. 1 - H290
Health hazards	Skin Corr. 1B - H314 Eye Dam. 1 - H318
Environmental hazards	Not Classified

#### 2.2. Label elements

##### Hazard pictograms



Signal word	Danger
Hazard statements	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage.

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<b>Precautionary statements</b>	P234 Keep only in original packaging.
	P260 Do not breathe vapour/ spray.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P363 Wash contaminated clothing before reuse.
<b>Contains</b>	POTASSIUM HYDROXIDE, 2-AMINOETHANOL, SODIUM HYDROXIDE
<b>Supplementary precautionary statements</b>	P264 Wash contaminated skin thoroughly after handling.
	P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P310 Immediately call a POISON CENTER/ doctor.
	P321 Specific treatment (see medical advice on this label).
	P390 Absorb spillage to prevent material damage.
	P405 Store locked up.
	P406 Store in a corrosion-resistant container with a resistant inner liner.
	P501 Dispose of contents/ container in accordance with national regulations.

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>SODIUM HYDROXIDE</b>			<b>1-5%</b>
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27-XXXX	
<b>Classification</b> Skin Corr. 1A - H314 Eye Dam. 1 - H318			

<b>POTASSIUM HYDROXIDE</b>			<b>1-5%</b>
CAS number: 1310-58-3	EC number: 215-181-3	REACH registration number: 01-2119487136-33-XXXX	
<b>Classification</b> Met. Corr. 1 - H290 Acute Tox. 4 - H302 Skin Corr. 1A - H314 Eye Dam. 1 - H318			

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<b>2-AMINOETHANOL</b>			<b>1-5%</b>
CAS number: 141-43-5	EC number: 205-483-3	REACH registration number: 01-2119486455-28-XXXX	
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335			

<b>COCAMIDOPROPYL BETAINE</b>			<b>1-5%</b>
CAS number: 61789-40-0	EC number: 263-058-8		
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319			

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Inhalation	If spray/mist has been inhaled, proceed as follows. Remove person to fresh air and keep comfortable for breathing. Keep affected person under observation. Get medical attention if symptoms are severe or persist.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Keep affected person under observation. Get medical attention.
Skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
Eye contact	Rinse cautiously with water for several minutes. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention if any discomfort continues.

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

Inhalation	Spray/mists may cause respiratory tract irritation.
Ingestion	May cause chemical burns in mouth, oesophagus and stomach.
Skin contact	May cause serious chemical burns to the skin.
Eye contact	Causes serious eye damage.

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

Notes for the doctor	No specific recommendations.
Specific treatments	Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
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Unsuitable extinguishing media      None known.

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

Specific hazards      Corrosive gases or vapours. Water used for fire extinguishing, which has been in contact with the product, may be corrosive.

### 5.3. Advice for firefighters

Protective actions during firefighting      Avoid breathing fire gases or vapours.

Special protective equipment for firefighters      Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## **SECTION 6: Accidental release measures**

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

Personal precautions      Avoid contact with skin, eyes and clothing. Wear protective clothing as described in Section 8 of this safety data sheet. Take care as floors and other surfaces may become slippery. Do not touch or walk into spilled material.

### 6.2. Environmental precautions

Environmental precautions      Avoid discharge to the aquatic environment. Avoid contamination of ponds or watercourses with washing down water.

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

Methods for cleaning up      Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.

### 6.4. Reference to other sections

Reference to other sections      For personal protection, see Section 8. For waste disposal, see Section 13.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Usage precautions      For professional users only. Handle and open container with care. Avoid contact with skin, eyes and clothing. Avoid breathing spray.

Advice on general occupational hygiene      Wash promptly if skin becomes contaminated.

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

Storage precautions      Keep only in the original container. Container must be kept tightly closed when not in use.

Storage class      Chemical storage. Corrosive storage.

### 7.3. Specific end use(s)

Specific end use(s)      The identified uses for this product are detailed in Section 1.2. Refer to Product Use Guide (PUG) for further information.

## **SECTION 8: Exposure controls/Personal protection**

### 8.1. Control parameters

#### Occupational exposure limits

#### **SODIUM HYDROXIDE**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

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### POTASSIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

### 2-AMINOETHANOL

Long-term exposure limit (8-hour TWA): WEL 3 ppm 7.6 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 6 ppm 15 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

#### Protective equipment



#### Eye/face protection

Wear eye protection.

#### Hand protection

It is recommended that chemical-resistant, impervious gloves are worn. Wear protective gloves made of the following material: Nitrile rubber. Rubber (natural, latex). Wear protective gauntlets made of the following material: Polyvinyl chloride (PVC). To protect hands from chemicals, gloves should comply with European Standard EN374.

#### Hygiene measures

Wash promptly if skin becomes contaminated.

#### Respiratory protection

Respiratory protection may be required if excessive airborne contamination occurs.

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

## SECTION 9: Physical and chemical properties

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

Appearance	Clear liquid.
Colour	Colourless.
Odour	Mild. Detergent.
pH	pH (concentrated solution): >13.5
Initial boiling point and range	100°C @ 760 mm Hg
Flash point	Not applicable.
Flammability (solid, gas)	Not applicable.
Relative density	~ 1.046 @ 20°C
Solubility(ies)	Soluble in water.
Auto-ignition temperature	Not applicable.
Viscosity	300-400 cP @ 20°C
Explosive properties	Not applicable.
Oxidising properties	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

Refractive index	10.6
Volatile organic compound	Not applicable.

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** The reactivity data for this product will be typical of those for the following class of materials:  
Strong alkalis.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Under normal conditions of storage and use, no hazardous reactions will occur.

#### 10.4. Conditions to avoid

**Conditions to avoid** No specific requirements are anticipated under normal conditions of use.

#### 10.5. Incompatible materials

**Materials to avoid** Acids.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects** Information given is based on data of the components and of similar products.

##### Acute toxicity - oral

**ATE oral (mg/kg)** 12,500.0

##### Acute toxicity - dermal

**ATE dermal (mg/kg)** 55,000.0

##### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 225,000.0

**ATE inhalation (vapours mg/l)** 550.0

**ATE inhalation (dusts/mists mg/l)** 75.0

##### Skin corrosion/irritation

**Skin corrosion/irritation** Causes severe burns.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye damage.

**Medical considerations** Pre-existing eye problems.

### SECTION 12: Ecological information

**Ecotoxicity** The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

#### 12.1. Toxicity

**Toxicity** The product is not believed to present a hazard due to its physical nature.

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### 12.2. Persistence and degradability

**Persistence and degradability** The product contains mainly inorganic substances which are not biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

**Mobility** The product contains substances which are water-soluble and may spread in water systems.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**General information** Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Discharge of small quantities to the sewer with plenty of water may be permitted.

## **SECTION 14: Transport information**

### 14.1. UN number

UN No. (ADR/RID)	3266
UN No. (IMDG)	3266
UN No. (ICAO)	3266
UN No. (ADN)	3266

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE, SODIUM HYDROXIDE)
Proper shipping name (IMDG)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE, SODIUM HYDROXIDE)
Proper shipping name (ICAO)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE, SODIUM HYDROXIDE)
Proper shipping name (ADN)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE, SODIUM HYDROXIDE)

### 14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C5
ADR/RID label	8
IMDG class	8
ICAO class/division	8

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ADN class 8

### Transport labels



### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

### 14.6. Special precautions for user

IMDG Code segregation group	18. Alkalies
EmS	F-A, S-B
ADR transport category	3
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

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

EU legislation	<p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).</p> <p>Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).</p> <p>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 (as amended).</p> <p>Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).</p>
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## WARM OVEN SPRAY CLEANER

**Guidance** EH40/2005 Workplace exposure limits  
Containing the list of workplace exposure limits for use with the Control of Substances  
Hazardous to Health Regulations 2002 (as amended)  
Health and Safety Executive

### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

### SECTION 16: Other information

Issued by	Regulatory Chemist
Revision date	17/03/2021
Revision	21
Supersedes date	05/08/2020
SDS number	10071
Hazard statements in full	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. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation.

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.