

# C23 Cleaning Powder

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

Date of issue: 21/08/2020

Version: 2.0

SDS No: 11073-0030

### SECTION 1: Identification : Product identifier and chemical identity

#### 1.1. Product identifier

Product form : Mixture  
Product name : C23 Cleaning Powder

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Detergent for automatic washing of ovens  
For professional use  
Restrictions on use : The product should not be used for purposes other than those shown above without first referring to the supplier and obtaining written handling instructions

#### 1.4. Supplier's details

Electrolux Professional NZ Ltd  
17 Arrenway Drive, Rosedale  
Albany, Auckland  
New Zealand 0632  
Phone: +64 9 9736911

#### 1.5. Emergency phone number

Emergency number : +61 2 8014 4558; +61 18000 74234 (toll free)  
+64 9 929 1483

### SECTION 2: Hazards identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Corrosive to metals, Category 1 H290  
Skin corrosion/irritation, Category 1 H314  
Serious eye damage/eye irritation, Category 1 H318

#### 2.2. Label elements

Hazard pictograms (GHS AU) :



Signal word (GHS AU) : Danger  
Contains : Sodium hydroxide (85 - 90 %)  
Hazard statements (GHS AU) : H290 - May be corrosive to metals.  
H314 - Causes severe skin burns and eye damage.  
Precautionary statements (GHS AU) : P260 - Do not breathe dust.  
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
Rinse skin with water/shower.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER/doctor

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

Comments : Mixture of the substances listed below with harmless additives  
Comments : Mixture of the substances listed below with harmless additives

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Sodium hydroxide ( )	1310-73-2	85 - 90	Met. Corr. 1, H290 Skin Corr. 1A, H314

# C23 Cleaning Powder

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 11073-0030



Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Sodium metasilicate ( )	6834-92-0	10 - 15	Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335
Other substances (not contributing to the classification of this product)		5	

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.

#### 4.2. Symptoms caused by exposure

Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

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

Treatment	: Treat symptomatically.
-----------	--------------------------

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Dry powder. Foam. Fire-extinguishing activities according to surrounding.
Unsuitable extinguishing media	: Water. Reacts with water (moisture) : heat release.

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

General measures	: Wear personal protective equipment. Keep public away from danger area.
------------------	--

#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Hazchemcode	: 2W

### SECTION 6: Accidental release measures

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

General measures	: Wear personal protective equipment. Keep public away from danger area.
------------------	--

##### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust.
----------------------	---

##### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
----------------------	---

#### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up	: Mechanically recover the product. Keep in suitable, closed containers for disposal. Avoid dust formation.
-------------------------	---

### SECTION 7: Handling and storage, including how the chemical may be safely used

#### 7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Keep container tightly closed. Avoid contact with skin and eyes. Do not breathe dust. Wear personal protective equipment.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

# C23 Cleaning Powder

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 11073-0030



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

Storage conditions : Keep away from food, drink and animal feeding stuffs. Store in corrosive resistant container with a resistant inner liner. Keep only in original container. Store locked up. Store in a well-ventilated place. Keep cool. Store in a dry place. Protect from moisture.

Incompatible materials : Metals.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters - exposure standards

Sodium hydroxide (1310-73-2)		
Australia	Local name	Sodium hydroxide
Australia	OEL - Ceilings (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>

### Exposure limit values for the other components

### 8.2. Monitoring

No additional information available

### 8.3. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

### 8.4. Personal protective equipment

Hand protection : Select the appropriate glove material adhering to the breakthrough time, permeation rate and the degradation. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
protective gloves	Natural rubber, Neoprene, Butyl rubber, Polyvinylchloride (PVC)				EN ISO 374

Eye protection : Safety glasses. EN 166.

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Not required for normal conditions of use. Breathing apparatus needed only when dust is formed

Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

Physical state : Solid

Appearance : Powder

Colour : No data available

Odour : No data available

Odour threshold : No data available

pH :  $\geq 13$  (Solution, 1 %)

Relative evaporation rate (butylacetate=1) : No data available

Melting point / Freezing point : Freezing point : Not applicable

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature :  $> 150$  °C

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative density : No data available

Density : No data available

Solubility : Water: Material highly soluble in water

Log Pow : No data available

Viscosity, dynamic : Not applicable

# C23 Cleaning Powder

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 11073-0030



Explosive properties	: No data available
Explosive limits	: Not applicable
Minimum ignition energy	: No data available
VOC content	: 0 %
Fat solubility	: No data available
Percent Solids	: 100 %

### SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport. The product is non-reactive under normal conditions of use, storage and transport
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Reacts exothermically with water (moisture). Contact with metallic substances may release flammable hydrogen gas. Reacts violently with acids.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: Strong acids. metals. Oxidizing agent. Water. Aluminium. Light metals and alloys.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

Acute toxicity	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: $\geq 13$ (Solution, 1 %)
Serious eye damage/irritation	: Causes serious eye damage. pH: $\geq 13$ (Solution, 1 %)
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

### SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

#### 12.1. Ecotoxicity

Ecology - general	: Before neutralisation, the product may represent a danger to aquatic organisms.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

#### Sodium hydroxide (1310-73-2)

LC50 fish 1	> 35 mg/l
EC50 Daphnia 1	40 mg/l
EC50 other aquatic organisms 1	> 33 mg/l Water flea
Log Pow	-3.88

#### Sodium metasilicate (6834-92-0)

LC50 fish 1	210 mg/l
LC50 fish 2	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)

#### 12.2. Persistence and degradability

##### C23 Cleaning Powder

Persistence and degradability	No data available.
-------------------------------	--------------------

# C23 Cleaning Powder

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 11073-0030



<b>Sodium hydroxide (1310-73-2)</b>	
Not rapidly degradable	

<b>Sodium metasilicate (6834-92-0)</b>	
Not rapidly degradable	

### 12.3. Bioaccumulative potential

<b>C23 Cleaning Powder</b>	
Bioaccumulative potential	No data available.

<b>Sodium hydroxide (1310-73-2)</b>	
Log Pow	See section 12.1 on ecotoxicology

### 12.4. Mobility in soil

<b>C23 Cleaning Powder</b>	
Ecology - soil	No data available.

<b>Sodium hydroxide (1310-73-2)</b>	
Log Pow	See section 12.1 on ecotoxicology

### 12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: Slightly hazardous to water.

<b>C23 Cleaning Powder</b>	
Fluorinated greenhouse gases	False




<b>Sodium hydroxide (1310-73-2)</b>	
Fluorinated greenhouse gases	False

<b>Sodium metasilicate (6834-92-0)</b>	
Fluorinated greenhouse gases	False

## SECTION 13: Disposal considerations

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions. Disposal must be done according to official regulations.
Sewage disposal recommendations	: Do not discharge into drains or waterways without neutralizing. Cautiously neutralize remainder. Neutralize with an acid.
Product/Packaging disposal recommendations	: Entrust the uncontaminated packaging to a licensed waste contractor. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Disposal must be done according to official regulations.

## SECTION 14: Transport information

ADG	IMDG	IATA
<b>14.1. UN number</b>		
1823	1823	1823
<b>14.2. UN proper shipping name</b>		
SODIUM HYDROXIDE, SOLID (MIXTURE)	SODIUM HYDROXIDE, SOLID (MIXTURE)	Sodium hydroxide, solid (MIXTURE)
<b>14.3. Transport hazard class(es)</b>		
8 8 	8 8 	8 8 
<b>14.4. Packing group</b>		
II	II	II
<b>14.5. Environmental hazards</b>		
	Marine pollutant : No	

### 14.6. Special precautions for user

Specific storage requirement	: No data available
Shock sensitivity	: No data available

### 14.7. Additional information

Other information	: No supplementary information available
-------------------	--

# C23 Cleaning Powder

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 11073-0030



### Transport by road and rail

UN-No. (ADG)	: 1823
Limited quantities (ADG)	: 1kg
Packing instructions (ADG)	: P002, IBC08
Special packing provisions (ADG)	: B2, B4
Portable tank and bulk container instructions (ADG)	: T3
Portable tank and bulk container special provisions (ADG)	: TP33

### Transport by sea

UN-No. (IMDG)	: 1823
Limited quantities (IMDG)	: 1 kg
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P002
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES
Properties and observations (IMDG)	: White pellets, flakes, lumps or solid blocks, deliquescent. Reacts with ammonium salts, evolving ammonia gas. In the presence of moisture, corrosive to aluminium, zinc and tin. Causes burns to skin, eyes and mucous membranes. Reacts violently with acids.
MFAG-No	: 154

### Air transport

UN-No. (IATA)	: 1823
PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y844
PCA limited quantity max net quantity (IATA)	: 5kg
PCA packing instructions (IATA)	: 859
PCA max net quantity (IATA)	: 15kg
CAO packing instructions (IATA)	: 863
CAO max net quantity (IATA)	: 50kg
ERG code (IATA)	: 8L

### 14.8. Hazchem or Emergency Action Code

Hazchemcode	: 2W
-------------	------

## SECTION 15: Regulatory information

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

#### National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

Australian Inventory of Chemical Substances (AICS) status	: All components of this mixture are listed on or exempted from AICS
---	--

#### Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Relevant Poisons Schedule number	: Labelling requirements for SUSMP do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing use. However, this product is labelled in accordance with the Safe Work Australia "Code of Practice" for workplace substances.
----------------------------------	---

### 15.2. International agreements

No additional information available

## SECTION 16: Any other relevant information

Classification:

Met. Corr. 1	H290
Skin Corr. 1	H314
Eye Dam. 1	H318

Full text of H-statements:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A

# C23 Cleaning Powder

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 11073-0030



Skin Corr. 1B	Skin corrosion/irritation, Category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*