

## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

### **SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

#### **1.1. Product identifier**

Product name : NORDICARE MICROWAVE OVEN CLEANER  
 Product code : EN\_712.

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

Water-based special cleaner for cleaning of microwave ovens.

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

Registered company name : NGL NORDIC A/S.  
 Address : Industriskellet 10.3450.Ishøj.Denmark.  
 Telephone : +4548176970. Fax : +4548174970.  
 nordic@ngl-group.com

#### **1.4. Emergency telephone number : .**

Association/Organisation : .

#### **Other emergency numbers**

+45 4817 6970: Monday to Thursday 08:00-16:00; Friday 08:00-15:30

### **SECTION 2 : HAZARDS IDENTIFICATION**

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

##### **In compliance with EC regulation No. 1272/2008 and its amendments.**

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.  
 This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).  
 This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

#### **2.2. Label elements**

Detergent mixture (see section 15).

##### **In compliance with EC regulation No. 1272/2008 and its amendments.**

Additional labeling :  
 EUH210 Safety data sheet available on request.  
 Precautionary statements - General :  
 P102 Keep out of reach of children.

#### **2.3. Other hazards**

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq$  0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>  
 The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

### **SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

#### **3.2. Mixtures**

##### **Composition :**

Identification	(EC) 1272/2008	Note	%
INDEX: 0222 CAS: 157627-86-6 EC: 500-337-8	GHS07, GHS05 Dgr Acute Tox. 4, H302 Eye Dam. 1, H318		0 <= x % < 2.5
ALCOHOLS, C13-15, BRANCHED AND LINEAR, ETHOXYLATED	Aquatic Chronic 3, H412		

## NORDICARE MICROWAVE OVEN CLEANER - EN\_712

INDEX: 0170 CAS: 97659-50-2 EC: 307-455-7  AMINES, N-C8-22-ALKYLTRIMETHYLENEDI-, ACRYLATED, SODIUM SALTS	GHS07 Wng Eye Irrit. 2, H319		0 <= x % < 2.5
INDEX: 603_117_00_0 CAS: 67-63-0 EC: 200-661-7 REACH: 01-2119457558-25-XXXX  PROPAN-2-OL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]	0 <= x % < 2.5

(Full text of H-phrases: see section 16)

**Information on ingredients :**

[1] Substance for which maximum workplace exposure limits are available.

**SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

**4.1. Description of first aid measures****In the event of exposure by inhalation :**

Move person into fresh air and observe. Contact a physician in serious cases.

**In the event of splashes or contact with eyes :**

Remove contact-lenses.

Flush eyes with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Regardless of the initial state, refer to an ophthalmologist and show him the label.

**In the event of splashes or contact with skin :**

Wash skin with soap and water. Remove and wash clothing after contact.

**In the event of swallowing :**

Give the person 1-2 glasses of milk or water to drink, and keep the person under surveillance. Do not give drink to an unconscious person. If the person feels unwell: Seek medical advice immediately and show this safety data sheet or label of the product.

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

No data available.

**4.3. Indication of any immediate medical attention and special treatment needed****Information for the doctor :**

Bring this safety data sheet.

**SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

**5.1. Extinguishing media****Suitable methods of extinction**

The product is not combustible.

**Unsuitable methods of extinction**

None.

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

**5.3. Advice for firefighters**

Avoid breathing fumes/vapours. Wear self-contained breathing apparatus, gloves, safety spectacles and protective clothes.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

**For first aid worker**

First aid workers will be equipped with suitable personal protective equipment (See section 8).

**NORDICARE MICROWAVE OVEN CLEANER - EN\_712****6.2. Environmental precautions**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

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

Clean preferably with a detergent, do not use solvents.

**6.4. Reference to other sections**

See section 13 on "Disposal" with regard to the handling of waste. See section 8 on 'Exposure controls/personal protection' for protective measures.

**SECTION 7 : HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the mixture is handled.

**7.1. Precautions for safe handling**

Always wash hands after handling.

**Fire prevention :**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

**Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the mixture is used.

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

No data available.

**Storage**

Keep out of reach of children.

Store between 5° and 40°C.

**Packaging**

Always keep in packaging made of an identical material to the original.

**7.3. Specific end use(s)**

This product should only be used for applications described in Section 1.2.

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

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-63-0	200 ppm	400 ppm		A4; BEI	

- Germany - AGW (BAuA - TRGS 900, 29/01/2018) :

CAS	VME :	VME :	Excess	Notes
67-63-0		200 ppm 500 mg/m <sup>3</sup>		2(II)

- Denmark (2008) :

Stof	TWA	VSTEL	Loftvaerdi	Anm
67-63-0	200 ppm 490 mg/m <sup>3</sup>			

- France (INRS - ED984 :2016) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
67-63-0	-	-	400	980	-	84

- UK / WEL (Workplace exposure limits, EH40/2005, 2011) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-63-0	400 ppm 999 mg/m <sup>3</sup>	500 ppm 1250 mg/m <sup>3</sup>			

**Derived no effect level (DNEL) or derived minimum effect level (DMEL):**

PROPAN-2-OL (CAS: 67-63-0)

**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

Exposure method:  
Potential health effects:

**Workers.**

Dermal contact.  
Long term systemic effects.  
888 mg/kg body weight/day

Inhalation.  
Long term systemic effects.

**NORDICARE MICROWAVE OVEN CLEANER - EN\_712**DNEL : 500 mg of substance/m<sup>3</sup>**Final use:**Exposure method:  
Potential health effects:  
DNEL :**Consumers.**Ingestion.  
Long term systemic effects.  
26 mg/kg body weight/dayExposure method:  
Potential health effects:  
DNEL :Dermal contact.  
Long term systemic effects.  
319 mg/kg body weight/dayExposure method:  
Potential health effects:  
DNEL :Inhalation.  
Long term systemic effects.  
89 mg of substance/m<sup>3</sup>**Predicted no effect concentration (PNEC):**

PROPAN-2-OL (CAS: 67-63-0)

Environmental compartment:  
PNEC :Soil.  
28 mg/kgEnvironmental compartment:  
PNEC :Fresh water.  
140.9 mg/lEnvironmental compartment:  
PNEC :Sea water.  
140.9 mg/lEnvironmental compartment:  
PNEC :Intermittent waste water.  
140.9 mg/lEnvironmental compartment:  
PNEC :Fresh water sediment.  
552 mg/kgEnvironmental compartment:  
PNEC :Marine sediment.  
552 mg/kgEnvironmental compartment:  
PNEC :Waste water treatment plant.  
2251 mg/l**8.2. Exposure controls**

Compliance with the stated exposure limits values should be checked on a regular basis.

**Appropriate engineering controls**

Airborne gas and dust concentrations must be kept as low as possible and below the threshold values (see above). If necessary, use local exhaust ventilation if the normal air flow in the room is not sufficient. Ensure visible display panels of eye wash and safety shower.

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes.

Wear eye protection/face shield if there is risk of splashes in eyes.

**- Hand protection**

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

At soiling work, it is recommended to use gloves made of PVC or nitrile-butadiene rubber.

**- Body protection**

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

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

Physical state : Fluid liquid.

**Important health, safety and environmental information**

pH : 7.50 .  
Neutral.

Boiling point/boiling range : Not specified.

Flash Point : 110.00 °C.  
Method for determining the flash point:  
ASTM D 93-15 (Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester).

Vapour pressure (50°C) : Not relevant.

Density : 1,00

Water solubility : Dilutable.

Viscosity : < 7mm²/s

Melting point/melting range : Not specified.

Self-ignition temperature : Not specified.

Decomposition point/decomposition range : Not specified.

**9.2. Other information**

VOC (g/l) : 10.97

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

No data available.

**10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**Avoid :  
- frost**10.5. Incompatible materials**Keep away from :  
- strong acids  
- strong oxidising agents  
- strong bases**10.6. Hazardous decomposition products**The thermal decomposition may release/form :  
- carbon monoxide (CO)  
- carbon dioxide (CO2)**SECTION 11 : TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

No data available.

**11.1.1. Substances****Acute toxicity :**PROPAN-2-OL (CAS: 67-63-0)  
Oral route : LD50 > 5000 mg/kg  
Species : RatDermal route : LD50 > 5000 mg/kg  
Species : RabbitInhalation route (Vapours) : LC50 > 10000 mg/l  
Species : RatAMINES, N-C8-22-ALKYLTRIMETHYLENEDI-, ACRYLATED, SODIUM SALTS (CAS: 97659-50-2)  
Oral route : LD50 > 5000 mg/kg

**NORDICARE MICROWAVE OVEN CLEANER - EN\_712**

Species : Rat

ALCOHOLS, C13-15, BRANCHED AND LINEAR, ETHOXYLATED (CAS: 157627-86-6)  
Oral route : LD50 < 2000 mg/kg  
Species : Rat  
Other guideline

**11.1.2. Mixture****Other information**

Specific Concentration Limit for INDEX: 0222; CAS: 157627-86-6; EC: 500-337-8; ALCOHOLS, C13-15, BRANCHED AND LINEAR, ETHOXYLATED- >=10% H318

**SECTION 12 : ECOLOGICAL INFORMATION****12.1. Toxicity****12.1.1. Substances**

PROPAN-2-OL (CAS: 67-63-0)

Fish toxicity :

LC50 > 100 mg/l  
Species : Leuciscus idus  
Duration of exposure : 96 h

Crustacean toxicity :

EC50 > 100 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h

Algae toxicity :

ECr50 > 100 mg/l  
Species : Scenedesmus subspicatus  
Duration of exposure : 72 h

AMINES, N-C8-22-ALKYLTRIMETHYLENEDI-, ACRYLATED, SODIUM SALTS (CAS: 97659-50-2)

Fish toxicity :

LC50 = 4 mg/l  
Species : Oncorhynchus mykiss  
Duration of exposure : 96 h

Crustacean toxicity :

EC50 = 1.6 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability****12.2.1. Substances**

PROPAN-2-OL (CAS: 67-63-0)

Biodegradability :

no degradability data is available, the substance is considered as not degrading quickly.

AMINES, N-C8-22-ALKYLTRIMETHYLENEDI-, ACRYLATED, SODIUM SALTS (CAS: 97659-50-2)

Biodegradability :

no degradability data is available, the substance is considered as not degrading quickly.

ALCOHOLS, C13-15, BRANCHED AND LINEAR, ETHOXYLATED (CAS: 157627-86-6)

Biodegradability :

no degradability data is available, the substance is considered as not degrading quickly.

**12.3. Bioaccumulative potential****12.3.1. Substances**

PROPAN-2-OL (CAS: 67-63-0)

Octanol/water partition coefficient :

log K<sub>ow</sub> = 0.05**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**NORDICARE MICROWAVE OVEN CLEANER - EN\_712**

**12.6. Other adverse effects**

No data available.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

**Codes of wastes (Decision 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :**

20 01 30 detergents other than those mentioned in 20 01 29

**SECTION 14 : TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

**14.1. UN number**

-

**14.2. UN proper shipping name**

-

**14.3. Transport hazard class(es)**

-

**14.4. Packing group**

-

**14.5. Environmental hazards**

-

**14.6. Special precautions for user**

-

**SECTION 15 : REGULATORY INFORMATION**

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

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC.

**- Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2016/1179. (ATP 9)

**- Container information:**

No data available.

**- Particular provisions :**

No data available.

**- Labelling for detergents (EC Regulation No. 648/2004,907/2006) :**

- less than 5 % : cationic surfactants

- less than 5 % : nonionic surfactants

- perfumes

**15.2. Chemical safety assessment**

No data available.

**SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

**NORDICARE MICROWAVE OVEN CLEANER - EN\_712**

**Wording of the phrases mentioned in section 3 :**

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

**Abbreviations :**

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefahrdungsklasse (Water Hazard Class).

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.