

## **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 WASHINGMACHINE CLEANER  
Product code : EN\_705.

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

Special cleaner for cleaning and maintenance of washing machines.

#### **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.**

Eye irritation, Category 2 (Eye Irrit. 2, H319).

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 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.**

Hazard pictograms :



GHS07

Signal Word :

WARNING

Hazard statements :

H319 Causes serious eye irritation.

Precautionary statements - General :

P102 Keep out of reach of children.

Precautionary statements - Prevention :

P264 Wash skin thoroughly after handling.

P280 Wear protective eye protection.

Precautionary statements - Response :

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

#### **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: 0001N CAS: 5949-29-1 EC: 201-069-1 REACH: 01-2119457026-42-xxxx  CITRIC ACID, MONOHYDRATE	GHS07 Wng Eye Irrit. 2, H319		10 <= x % < 25
INDEX: 0293 CAS: 68002-96-0 EC: 614-209-5  ALCOHOLS, C14-18, ETHOXYLATED PROPOXYLATED	Aquatic Chronic 3, H412		2.5 <= x % < 10
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) and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Contact a physician, if pain persists.

**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 :**

Seek medical attention, showing the label.

**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**

Treated symptomatically

**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.

**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.

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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**

No data available.

**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 non first aid worker**

Avoid any contact with the skin and eyes.

**For first aid worker**

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

**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.

Remove and wash contaminated clothing before re-using.

**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.

Avoid eye contact with this mixture.

**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>			

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- 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:  
DNEL :**Final use:**Exposure method:  
Potential health effects:  
DNEL :Exposure method:  
Potential health effects:  
DNEL :Exposure method:  
Potential health effects:  
DNEL :**Workers.**Dermal contact.  
Long term systemic effects.  
888 mg/kg body weight/dayInhalation.  
Long term systemic effects.  
500 mg of substance/m<sup>3</sup>**Consumers.**Ingestion.  
Long term systemic effects.  
26 mg/kg body weight/dayDermal contact.  
Long term systemic effects.  
319 mg/kg body weight/dayInhalation.  
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****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.

**NORDICARE WASHINGMACHINE CLEANER - EN\_705****- Eye / face protection**

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

Wear eyeprotection/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.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- PVC (polyvinyl chloride)

- PVA (Polyvinyl alcohol)

Recommended properties :

- Impervious gloves in accordance with standard EN374

**- 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 : 3.00 .  
Slightly acidic.

Boiling point/boiling range : Not specified.

Flash point interval : Not relevant.

Vapour pressure (50°C) : Not relevant.

Density : 1,05

Water solubility : Dilutable.

Melting point/melting range : Not specified.

Self-ignition temperature : Not specified.

Decomposition point/decomposition range : Not specified.

**9.2. Other information**

VOC (g/l) : 11.42

**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****10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)

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

## NORDICARE WASHINGMACHINE CLEANER - EN\_705

**SECTION 11 : TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

**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 : Rat

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

Oral route : LD50 > 5000 mg/kg  
Species : Rat

ALCOHOLS, C14-18, ETHOXYLATED PROPOXYLATED (CAS: 68002-96-0)

Oral route : LD50 > 2000 mg/kg  
Species : Cat

CITRIC ACID, MONOHYDRATE (CAS: 5949-29-1)

Oral route : LD50 = 5400 mg/kg  
Species : Mouse**Skin corrosion/skin irritation :**

ALCOHOLS, C14-18, ETHOXYLATED PROPOXYLATED (CAS: 68002-96-0)

OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**11.1.2. Mixture**

No toxicological data available for the mixture.

**Monograph(s) from the IARC (International Agency for Research on Cancer) :**

CAS 67-63-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

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

ALCOHOLS, C14-18, ETHOXYLATED PROPOXYLATED (CAS: 68002-96-0)

Crustacean toxicity : 10 < EC50 <= 100 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h  
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)Aquatic plant toxicity : 10 < ECr50 <= 100 mg/l  
Duration of exposure : 72 h

CITRIC ACID, MONOHYDRATE (CAS: 5949-29-1)

Fish toxicity : LC50 = 440 mg/l  
Duration of exposure : 96 hCrustacean toxicity : EC50 = 1535 mg/l  
Species : Daphnia magna  
Duration of exposure : 24 h

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

Fish toxicity : LC50 > 100 mg/l  
Species : Leuciscus idus  
Duration of exposure : 96 hCrustacean toxicity : EC50 > 100 mg/l  
Species : Daphnia magna

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	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, C14-18, ETHOXYLATED PROPOXYLATED (CAS: 68002-96-0)	
Biodegradability :	no degradability data is available, the substance is considered as not degrading quickly.
CITRIC ACID, MONOHYDRATE (CAS: 5949-29-1)	
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.

**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 29 \* detergents containing dangerous substances

## 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. 2017/776 (ATP 10)

#### - Container information:

No data available.

#### - Particular provisions :

No data available.

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

- less than 5 % : amphoteric 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.

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

H225	Highly flammable liquid and vapour.
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 : Wassergefährdungsklasse (Water Hazard Class).

GHS07 : Exclamation mark

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.