

SAFETY DATA SHEET

According to Regulation (EU) 2015/830

Version: 1.0

Revision Date: 06.06.2020

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

1.1 Product identifier

Trade name / Substance name	SN 25x Wash Solution
Company product code	47-07
REACH Registration number	A registration number is not available for this substance as the annual tonnage does not require a registration.

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

The uses of the chemical	Laboratory chemicals. Use as a laboratory reagent.
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1.3 Details of the supplier of the Safety Data Sheet

Manufacturer	CardiNor AS
Street address	Gaustadalléen 21
Postcode and post office	0349 Oslo, Norway
Telephone number	+47 92254855
E-mail address	dag.chr@cardinor.com

1.4 Emergency telephone number

Poisoning Information Center	Finland: 09 471 977 (Myrkytystietokeskus) Netherlands: 030 274 88 88 (Nationaal Vergiftigingen Informatie Centrum) Spain: 91 562 04 20 (Servicio de Información Toxicológica) United Kingdom: 0845 46 47 (NHS Direct in England or Wales) or 08454 24 24 24 (NHS 24 in Scotland, UK only)
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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

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

Hazard pictograms:	none
Signal word:	none
Hazard statement(s):	none
Precautionary statement(s):	none
Supplemental Hazard information (EU):	none

2.3 Other hazards

None known.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous components according to Regulation (EC) No 1272/2008 (CLP):

Component	Classification	Percentage (weight)
Germall™ II CAS No 78491-02-8	Eye Irrit. 2: H319	< 2.5 %

For full text of H-statements: see SECTION 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General notes:	None.
If inhaled:	Remove person to fresh air. If symptoms occur, consult a physician.
In case of skin contact:	Rinse with plenty of water. Remove contaminated clothing.
In case of eye contact:	Rinse with plenty of water. If irritation occurs, consult a physician.
If swallowed:	Never give anything by mouth to an unconscious person. Rinse mouth with water. If symptoms occur, consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

No relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media Water, foam, dry chemical or carbon dioxide

5.2 Special hazards arising from the substance or mixture

No relevant information available.

5.3 Advice for firefighters

No relevant information available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No special precautions required.

6.2 Environmental precautions

Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up

Spillage can be cleaned with water and adsorbent.

6.4 Reference to other sections

Instructions for personal protective clothing in Section 8.

Instructions for disposal of the product in Section 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

General occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use.

7.2 Conditions for safe storage, including any incompatibilities

Long-term storage +2...+8 °C.

7.3 Specific end use(s)

No relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Occupational exposure limit values:

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls	Good occupational hygiene practices
Eye / face protection	Protective glass
Skin protection	Work clothing appropriate for laboratory work if splash potential exists
Hand protection	Disposable gloves if spill or splash potential exists
Respiratory protection	Not needed when operating in normal laboratory scale
Thermal hazards	Not applicable
Environmental exposure controls	Not needed when operating in normal laboratory scale

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

Appearance	Colourless, clear liquid
Odour	Odourless
Odour threshold	No data available
pH	7.0–7.2 (at 20 °C)
Melting point/freezing point	0 °C
Initial boiling point and boiling range	100 °C
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	23 hPa (at 20 °C) (calculated referring to water)

Vapour density	No data available
Relative density	1.16 g/ml (at 20 °C)
Solubility(ies)	Water-soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	Not relevant
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	Not relevant
Oxidising properties	No data available

9.2 Other information

No relevant information available.

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

No known hazardous reactions.

10.2 Chemical stability

No known hazardous reactions.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

No relevant information available.

10.5 Incompatible materials

No relevant information available.

10.6 Hazardous decomposition products

No known decomposition products.

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

Acute toxicity	For the mixture: based on available data, the classification criteria are not met. <i>Germall™ II:</i> <i>Oral: LD50 rat: > 2000 mg/kg. LD50 rabbit > 2000 mg/kg</i>
Skin corrosion/irritation	For the mixture: based on available data, the classification criteria are not met. <i>Germall™ II:</i> <i>No skin irritation. Remarks: May cause skin irritation in susceptible persons.</i>
Serious eye damage/irritation	For the mixture: based on available data, the classification criteria are not met.

	<i>Germall™ II:</i> <i>Irritating to eyes. Remarks: Product dust may be irritating to eyes, skin and respiratory system. Causes serious eye irritation.</i>
Respiratory or skin sensitisation	For the mixture: based on available data, the classification criteria are not met.
	<i>Germall™ II:</i> <i>Test Type: Maximisation Test. Species: Guinea pig. Assessment: Did not cause sensitisation on laboratory animals.</i>
Germ cell mutagenicity	For the mixture: based on available data, the classification criteria are not met.
	<i>Germall™ II:</i> <i>Test Type: Ames test: Metabolic activation: with and without metabolic activation. Result: negative</i> <i>Test Type: Chromosome aberration test in vitro: Metabolic activation: with and without metabolic activation. Result: negative.</i> <i>Test Type: In vivo micronucleus test: Test species: Mouse (male and female). Application Route: Oral. Method: Mutagenicity (micronucleus test). Result: negative. Application Route: Oral. Method: OECD Test Guideline 486. Result: negative.</i>
Carcinogenicity	For the mixture: based on available data, the classification criteria are not met.
Reproductive toxicity	For the mixture: based on available data, the classification criteria are not met.
	<i>Germall™ II:</i> <i>Test Type: Embryo-foetal development: Species: Rat. Application Route: Oral. Dose: 500 milligram per kilogram.</i>
STOT-single exposure	For the mixture: based on available data, the classification criteria are not met.
STOT-repeated exposure	For the mixture: based on available data, the classification criteria are not met.
	<i>Germall™ II:</i> <i>Species: Rat, male and female. NOEL: 200 mg/kg. Application Route: Oral. Exposure time: 90-day.</i>
Aspiration hazard	For the mixture: based on available data, the classification criteria are not met.
Other information	For the mixture: based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

For the mixture: No relevant information available.

12.2 Persistence and degradability

For the mixture: No relevant information available.

Germall™ II: *Biodegradability: Biodegradation: 24 %. Exposure time: 28 d. Remarks: Not readily biodegradable.*
Stability in water: Degradation half life (DT50): 12 h (20,4 °C) pH: 7.

12.3 Bioaccumulative potential

For the mixture: No relevant information available.

Germall™ II: *Remarks: The substance has low potential for bioaccumulation.*

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No need for additional information.

15.2 Chemical safety assessment

Chemical safety assessment has not been made for this product.

SECTION 16: OTHER INFORMATION

Indication of changes	Hazard classification removed as it is unnecessary (2).
Abbreviations and acronyms	LD50: lethal dose, 50% PBT: persistent, bioaccumulative and toxic vPvB: very persistent and very bioaccumulative MARPOL: International Convention for the Prevention of Pollution from Ships IBC: International Bulk Chemical
Relevant statements	H319 Causes serious eye irritation.
Training advice for workers	Follow the instructions of use. End users need to have necessary information, advice, and instructions available.
Disclaimer	The above information is believed to be correct based on our current knowledge. They are believed to be correct at the date of publishing but they are mentioned as guidelines and do not absolutely guarantee all properties of the product. Information above is not legally binding and CardiNor AS is not responsible for any harm related to use or handling of the product.