

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 Stop Solution
Company product code	47-10
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

Classification according to Regulation (EC) No 1272/2008 (CLP)	
Corrosive to metals (Category 1)	H290
Skin corrosion/irritation (Category 1A)	H314

2.2 Label elements

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



Hazard pictograms:	
Signal word:	Danger
Hazard statement(s):	H290 May be corrosive to metals H314 Causes severe skin burns and eye damage
Precautionary statement(s):	P234 Keep only in original container P260 Do not breathe dust/fume/gas/mist/vapours/spray P264 Wash hands thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection
 P310 Immediately call a POISON CENTER or doctor/physician
 P321 Specific treatment (see ... on this label)
 P363 Wash contaminated clothing before reuse
 P390 Absorb spillage to prevent material damage
 P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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
 P405 Store locked up
 P406 Store in corrosive resistant/... container with a resistant inner liner.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulation (to be specified)

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)
Sulfuric acid CAS No 7664-93-9	Met. Corr. 1: H290 Skin Corr. 1A: H314	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

Sulfuric acid CAS No 7664-93-9	Limit value				National legislation or other provision which gives rise to the limit
	8 h		Short term (15 min)		
	ppm	mg/m ³	ppm	mg/m ³	
Finland (thoracic fraction)	not available	0,05	not available	0,1	Sosiaali- ja terveysministeriön asetus haitallisiksi tunnetuista pitoisuuksista (1214/2016)

Norway (thoracic fraction)	not available	0,1	not available	not available	Forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier)
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8.2 Exposure controls

Appropriate engineering controls	Good occupational hygiene practices
Eye / face protection	Protective glass
Skin protection	Work clothing appropriate for laboratory work
Hand protection	Disposable gloves (nitrile or neoprene)
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	No data available
Odour threshold	No data available
pH	< 1 (at 20 °C)
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
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	No data available
Vapour density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

9.2 Other information

No relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Strong acid. Risk of hazardous reaction with bases. Has a corrosive effect.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No specific reactivity.

10.4 Conditions to avoid

No relevant information available.

10.5 Incompatible materials

Metals, bases.

10.6 Hazardous decomposition products

No known decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	For the mixture: no data available.
Skin corrosion/irritation	For the mixture: Causes severe burns. <i>Sulfuric acid:</i> <i>Causes severe burns.</i>
Serious eye damage/irritation	For the mixture: Causes serious eye damage. <i>Sulfuric acid:</i> <i>Causes serious eye damage. Risk of blindness.</i>
Respiratory or skin sensitisation	For the mixture: no data available.
Germ cell mutagenicity	For the mixture: no data available.
Carcinogenicity	For the mixture: no data available.
Reproductive toxicity	For the mixture: no data available.
STOT-single exposure	For the mixture: no data available.
STOT-repeated exposure	For the mixture: no data available.
Aspiration hazard	For the mixture: no data available.
Other information	For the mixture: no data available.

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.

12.3 Bioaccumulative potential

For the mixture: No relevant information available.

12.4 Mobility in soil

For the mixture: No relevant information available.

12.5 Results of PBT and vPvB assessment

This mixture contains no components considered to be either PBT or vPvB.

12.6 Other adverse effects

For the mixture: No relevant information available.

Sulfuric acid:

Biological effects: Forms corrosive mixtures with water even if diluted. Harmful effect due to pH shift. Endangers drinking-water supplies if allowed to enter soil or water. Discharge into the environment must be avoided.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / Packaging disposal	Small amounts of product can be disposed of to the sewer system if rinsed with plenty of water. Package can be rinsed with water and disposed as burnable waste.
Waste treatment-relevant information	Waste treatment in compliance with local and national regulations.
Sewage disposal-relevant information	Large amount of product must not be disposed of to the sewer.
Other disposal recommendations	No relevant information available.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR/RID: 3264

IMDG: 3264

IATA: 3264

14.2 UN proper shipping name

ADR/RID: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (contains sulfuric acid)

IMDG: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (contains sulfuric acid)

IATA: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (contains sulfuric acid)

14.3 Transport hazard class(es)

ADR/RID: 8

IMDG: 8

IATA: 8

14.4 Packing group

ADR/RID: III

IMDG: III

IATA: III

14.5 Environmental hazards

ADR/RID: no

IMDG: no

IATA: no

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Product is not intended to be transported in bulk.

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	New safety data sheet
Abbreviations and acronyms	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	H290 May be corrosive to metals H314 Causes severe skin burns and eye damage
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.