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 Conjugate Diluent
Company product code	47-09
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.

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)

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):	EUH208: Contains CMIT/MIT. May produce an allergic reaction.

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)
CMIT/MIT* CAS No 55965-84-9	Skin Corr. 1C: H314 Skin Sens. 1A: H317 Eye Dam. 1: H318 Acute Tox. 3: H301 Acute Tox. 2: H310 Acute Tox. 2: H330 Aquatic Acute 1: H400 (M=100) Aquatic Chronic 1: H410 (M=100)	< 15 ppm

* CMIT/MIT = reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)

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:	Move the affected person to fresh air. Keep at rest. If needed: get medical attention.
In case of skin contact:	Remove contaminated clothing and wash with soap and water. In case of rash, wound, or other skin irritation: Seek medical advice.
In case of eye contact:	Flush with water or physiological salt water, holding eye lids open, remember to remove contact lenses, if any. If irritation persists: Seek medical advice.
If swallowed:	Rinse mouth and drink plenty of water. Keep under surveillance. If needed: get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause slight irritation of skin, eyes, lungs and gastrointestinal tract. May cause an allergic reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Show this safety data sheet to a physician or emergency ward.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Not combustible; aqueous solution.

5.2 Special hazards arising from the substance or mixture

Not relevant (the product is not combustible).

5.3 Advice for firefighters

When extinguishing surrounding fires use breathing apparatus with an independent source of air.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment - see section 8.

6.2 Environmental precautions

Avoid empty into drains. If large amounts of the mixture contaminate sewages, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Absorb spilled liquid and place spillage in a plastic container. Further handling of spillage - see section 13.

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

Avoid contact with skin, eyes and clothing.

7.2 Conditions for safe storage, including any incompatibilities

Long-term storage +2...+8 °C. Keep container closed when not in use. Protected against light.

7.3 Specific end use(s)

No relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits (EH40/2018): None
DNEL/PNEC: No CSR.

8.2 Exposure controls

Appropriate engineering controls	None particular.
Eye / face protection	Not relevant during normal use. Safety goggles (EN166) when there is risk of eye contact.
Skin protection	In case of prolonged or repeated work: Wear protective gloves (EN374) e.g. of nitrile. Breakthrough time: approximately 3 hours.
Respiratory protection	Not relevant during normal use.
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	Yellow/brown slightly cloudy liquid
Odour	Odourless

Odour threshold	Not relevant
pH	6.8–7.2
Melting point/freezing point	No data available
Initial boiling point and boiling range	~100 °C
Flash point	Not relevant
Evaporation rate	No data available
Flammability (solid, gas)	Not relevant
Upper/lower flammability or explosive limits	Not relevant
Vapour pressure	No data available
Vapour density	No data available
Relative density	~1 g/ml
Solubility(ies)	Completely soluble in water
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	Not relevant

9.2 Other information

No relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under normal conditions - see section 7.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Excessive heating and freezing.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No known decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Hazard class	Data (CMIT/MIT)	Test	Data source
Acute toxicity, Inhalation:	LC_{50} (rat) > 4.62 mg/l/4H (vapours)	No info	EU Biocide
Acute toxicity, Dermal:	LD_{50} (rabbit) = 660 mg/kg	No info	EU Biocide
Acute toxicity, Oral:	LD_{50} (rat) = 457 mg/kg	No info	EU Biocide
Corrosion/irritation:	Corrosive, rabbit	OECD 404	EU Biocide
Sensitization:	Skin sensitization	Buehler	EU Biocide
CMR:	No available or applicable data.	-	-

Information on likely routes of exposure:	Skin, lungs and ingestion.
Symptoms (inhalation):	Inhalation of atomized liquid may cause irritation of the upper respiratory tract.
Symptoms (Skin):	May cause irritation with redness.
Symptoms (Eyes):	May cause irritation with redness.
Symptoms (Ingestion):	Ingestion of large amounts can cause irritation with nausea and stomach ache.
Chronic effects:	Frequent contact with skin may cause sensitization. Symptoms are redness, swelling and itching.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic	Data (CMIT/MIT)	Test (Media)	Data source
Fish	LC_{50} (Salmo gairdneri, 96h) = 0.19 mg/l	No info	EU Biocide
Crustacean	EC_{50} (Crassostrea virginica, 48h) = 0.028 mg/l	No info	EU Biocide
Algae	EC_{50} (Selenastrum cap. 72h) = 0.018 mg/l	No info	EU Biocide

12.2 Persistence and degradability

CMIT/MIT is not readily biodegradable (<56%, 28d, OECD 301B).

12.3 Bioaccumulative potential

CMIT/MIT: 1 < Log Kow < 3 – Possible moderate bioaccumulative.

12.4 Mobility in soil

No available or applicable data.

12.5 Results of PBT and vPvB assessment

No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

12.6 Other adverse effects

None known.

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

None.

14.2 UN proper shipping name

None.

14.3 Transport hazard class(es)

None.

14.4 Packing group

None.

14.5 Environmental hazards

None.

14.6 Special precautions for user

None.

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

Not relevant.

SECTION 15: REGULATORY INFORMATION

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

None.

15.2 Chemical safety assessment

No CSR.

SECTION 16: OTHER INFORMATION

Indication of changes	New safety data sheet.
Abbreviations and acronyms	CMR = Carcinogenicity, mutagenicity and reproductive toxicity. CSR = Chemical Safety Report

	DNEL = Derived No-Effect Level ECHA = European Chemicals Agency EC_{50} = Effect Concentration 50 % FW = Fresh Water LC_{50} = Lethal Concentration 50 % LD_{50} = Lethal Dose 50 % PBT = Persistent, Bioaccumulative, Toxic PNEC = Predicted No-Effect Concentration vPvB = very Persistent, very Bioaccumulative
Relevant statements	H301: Toxic if swallowed. H310: Fatal in contact with skin. H330: Fatal if inhaled. H314: Causes severe skin burns and eye damage. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. EUH071: Corrosive to the respiratory tract. EUH208: Contains ... May produce an allergic reaction. EUH210: Safety data sheet available on request.
Training advice for workers	Follow the instructions of use. End users need to have necessary information, advice, and instructions available.
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