

1. Product and company identification

Product identifier

Trade name: NYROSTEN SEILÖL COMPOUND

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

General use: Conservation of wire ropes or rope cores

Details of the supplier of the safety data sheet

Company name: NYROSTEN Korrosionsschutzmittel GmbH + Co.

Street/POB-No.: Marktweg 71

Postal Code, city: 47608 Geldern

Germany

WWW: www.nyrosten.de

E-mail: info@nyrosten.de

Telephone: +49 (0) 2831 9245-6

Telefax: +49 (0) 2831 89793

Dept. responsible for information:

Dr. Edgar Schöps,

Telephone: +49 (0) 2831 9245-6, E-mail: msds@nyrosten.de

Emergency phone number

Telephone: +49 (0) 2831 9245-6

Only available during office hours.

2. Hazards identification

Emergency overview

Appearance: Form: liquid

Color: golden

Odor: characteristic

Classification: Flammable Liquid 4; Aspiration Toxicity 1;

Hazard symbols:



Signal word: **Danger**

Hazard statements: Combustible liquid.

May be fatal if swallowed and enters airways.

Precautionary statements:

Keep out of reach of children.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Do NOT induce vomiting.

In case of fire: Use dry powder, foam or water spray for extinction.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents/container to hazardous or special waste collection point.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

Vapours are heavier than air, spread along floors and form explosive mixtures with air.
Special danger of slipping by leaking/spilling product.
Repeated exposure may cause skin dryness or cracking.
Process vapors can irritate airways, skin and eyes.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterisation: Preparations containing solvent

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 64742-48-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	50 %	Aspiration Toxicity 1.

Additional information: The mixture does not contain any "substances of very high concern" (SVHC) $\geq 0,1$ %, as published by the European Chemical Agency (ECHA) according to Article 57 of Regulation (EC) No 1907/2006 (REACH).

4. First aid measures

General information: Use personal protection equipment. If unconscious place in recovery position and seek medical advice. When in doubt or if symptoms are observed, get medical advice.

In case of inhalation: Remove casualty to fresh air and keep warm and at rest. Seek medical treatment in case of troubles.

Following skin contact: After contact with skin, wash immediately with soap and plenty of water. Take off contaminated clothing and wash it before reuse. In case of skin irritation, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: Do not induce vomiting. Never give anything by mouth to an unconscious person. Immediately get medical attention.
Caution if victim vomits: Risk of aspiration!

Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways. Caution if victim vomits: Risk of aspiration!

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

> 63 °C

Auto-ignition temperature: No data available

Suitable extinguishing media:

Foam, extinguishing powder, water fog, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

Specific hazards arising from the chemical

Vapors may form explosive mixtures with air.

In case of fire may be liberated: traces of incompletely burned carbon compounds, sulphur dioxide, Carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

Cool exposed containers with water spray. Do not allow water used to extinguish fire to enter drains, ground or waterways.

Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

Move undamaged containers from immediate hazard area if it can be done safely.

6. Accidental release measures

Personal precautions:

Wear personal protection equipment. Keep unprotected people away. Provide adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapors. Stop leak if safe to do so. In case of leakage, eliminate all ignition sources.

Environmental precautions:

Do not allow to penetrate into soil, waterbodies or drains.

In case of release, notify competent authorities.

Methods for clean-up:

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Prevent spread over a wide area (e.g. by containment or oil barriers).

Additional information:

Vapors are heavier than air and will travel at floor level.

Special danger of slipping by leaking/spilling product.

7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.

Avoid the formation of aerosol. Do not breathe vapor or spray.

Do not put any product-impregnated cleaning rags into your trouser pockets. Avoid contact with skin, eyes and clothes. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Potentially explosive vapor/air mixtures may form. Potentially explosive mixture may form within partially empty containers.



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

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Storage

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place. Keep only in the original container.

Hints on joint storage:

Keep away from oxidizers.

Keep away from food, drink and animal feedingstuffs.

8. Exposure controls / personal protection

Engineering controls

Provide adequate ventilation, and local exhaust as needed.

See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection Protection goggles; in case of increase danger, use a face protection shield. (Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010).

Skin protection Wear suitable protective clothing.

Chemical resistant safety shoes

Protective gloves according to OSHA Standard - 29 CFR: 1910.138, solvent-resistant.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: When vapors form, use respiratory protection.

Use filter type A (= against vapors of organic substances) according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

General hygiene considerations:

Avoid contact with skin, eyes and clothes. Immediately remove any contaminated clothing, shoes or stockings.

When using do not eat, drink or smoke. Wash hands before breaks and after work.

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Do not breathe vapor or spray.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Form: liquid Color: golden
Odor:	characteristic
Odor threshold:	No data available
pH value:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	187 - 219 °C
Flash point/flash point range:	> 63 °C
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	LEL (Lower Explosion Limit): 0.60 Vol-% UEL (Upper Explosive Limit): 7.00 Vol-%

Vapor pressure:	No data available
Vapor density:	No data available
Density:	No data available
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity, kinematic:	at 40 °C: <= 20.5 mm ² /s

10. Stability and reactivity

Reactivity:	Combustible liquid.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	Potentially explosive vapor/air mixtures may form.
Conditions to avoid:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials:	Oxidising agent
Hazardous decomposition products:	Emits toxic fumes under fire conditions.
Thermal decomposition:	No data available

11. Toxicological information

Toxicological tests

Toxicological effects:	The statements are derived from the properties of the single components. No toxicological data is available for the product as such. Acute toxicity (oral): Lack of data. Acute toxicity (dermal): Lack of data. Acute toxicity (inhalative): Lack of data. Skin corrosion/irritation: Based on available data, the classification criteria are not met. Repeated exposure may cause skin dryness or cracking. Eye damage/irritation: Based on available data, the classification criteria are not met. Process vapors can irritate airways, skin and eyes. Sensitisation to the respiratory tract: Lack of data. Skin sensitisation: Lack of data. Germ cell mutagenicity/Genotoxicity: Lack of data. Carcinogenicity: Lack of data. Reproductive toxicity: Lack of data. Effects on or via lactation: Lack of data. Specific target organ toxicity (single exposure): Lack of data. Specific target organ toxicity (repeated exposure): Lack of data. Aspiration hazard: Aspiration Toxicity 1 = May be fatal if swallowed and enters airways.
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Other information: Information about Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:
LD50, Rat, oral: < 5000 mg/kg (OECD 401)
LD50, Rat, dermal: < 2000 mg/kg (OECD 402)

Symptoms

Process vapors can irritate airways, skin and eyes.
In case of ingestion: Danger of aspiration!
After contact with skin: Repeated exposure may cause skin dryness or cracking.

12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

Volatile organic compounds (VOC):

50 % by weight

General information: Do not allow to penetrate into soil, waterbodies or drains.

13. Disposal considerations

Product

Recommendation: Do not dispose of with household waste. Do not empty into drains. Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.
Handle contaminated packages in the same way as the substance itself.
Non-contaminated packages may be recycled.



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14. Transport information

USA: Department of Transportation (DOT)

Identification number: NA1993
Proper shipping name: NA 1993, Combustible liquids, n.o.s.
Hazard class or Division: Comb liq
Packing Group: III
Labels: None
Symbols: D G
Special provisions: IB3, T1, T4, TP1
Packaging – Exceptions: 150
Packaging – Non-bulk: 203
Packaging – Bulk: 241
Quantity limitations – Passenger aircraft / rail: 60 L
Quantity limitations – Cargo only: 220 L
Vessel stowage – Location: A

Canada: Transportation of Dangerous Goods (TDG)

Shipping name: Not restricted

Sea transport (IMDG)

Proper shipping name: Not restricted
Marine pollutant: no

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.

15. Regulatory information

National regulations - Canada

No data available

National regulations - U.S. Federal Regulations

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:

TSCA Inventory: listed; UVCB

TSCA HPVC: not listed

All ingredients of this product are on the TSCA inventory, or are not required to be listed on the TSCA inventory.

16. Other information

Text for labeling: Contains 50 % Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics.
Safety data sheet available on request.



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Hazard rating systems:



NFPA Hazard Rating:

Health: 2 (Moderate)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 2 (Moderate)

Flammability: 1 (Slight)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

All ingredients of this product are on the TSCA inventory, or are not required to be listed on the TSCA inventory.

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

Date of first version: 11/11/2016

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.



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