

■ **Spezial-Korrosionsschutzmittel  
für Stahldrahtseile und Einlagen**

■ **Special rust prevention agent  
for wire ropes and rope cores**



**Safety specification sheet in accordance with 91/155/EEC  
"EC Safety Specification Sheet"**

**Date of print:** 08.05.2007      **Revised on:** 08.05.2007      **Page 1/7**

**Trade Name:** NYROSTEN Ropeoil Compound

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**1 SUBSTANCE/PREPARATION AND COMPANY NAME**

**Trade Name:** NYROSTEN Ropeoil Compound

**Manufacturer:** NYROSTEN Korrosionsschutzmittel GmbH + Co.  
Marktweg 71                      D-47608 Geldern  
Postfach 13 43                  D-47593 Geldern  
Tel. 02831/9245-6  
Fax 02831/89793

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**2 COMPOSITION/INFORMATION CONCERNING CONSTITUENTS**

**Chemical description:**

Hydrocarbon mixture - contains solvent

**Dangerous constituents:**

**CAS-No.\*** 64742-48-9

**Description:** Aliphatic hydrocarbon

Content%	Ident.letter	R-sentences	EINECS-No.*
50	Xn	65	

\*CAS = Chemical Abstracts Service

\*EINECS = European Inventory of Existing Chemical Substances

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**3 POSSIBLE HAZARDS**

**Risks to human health:**

Swallowing or subsequent vomiting may result in aspiration into the lungs. This leads to asphyxiation or toxic pulmonary oedema.

**Safety risks:**

Combustible. Possible electrostatic charging during handling. May form inflammable/explosive vapour/air mixtures.

**Environmental risks:**

Not classified as dangerous in accordance with EU criteria.

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#### **4 FIRST AID MEASURES**

**General information:** Contact with the skin can cause irritation. Dry skin.  
**First Aid - inhalation:** Bring person affected into fresh air.  
**First Aid - skin:** Wash skin with soap and water.  
**First Aid - eyes:** Rinse eyes with water.  
**First Aid swallowing:** Do not induce vomiting. Do not give person affected anything to drink. Call doctor immediately.  
**Information for doctor:** Long-term or repeated exposure can cause dermatitis. Swallowing followed by vomiting can cause aspiration into the lungs.

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#### **5 FIRE-FIGHTING MEASURES**

**Fire class:** B  
**Special dangers:** Carbon monoxide may be released in the case of incomplete combustion. Not classified as inflammable, but combustible.  
**Extinguishing agents:** Foam, water spray or water mist, powder extinguisher, carbon dioxide, sand or earth can only be used for small fires.  
**Unsuitable extinguishing agents:** Do not use a powerful water jet.  
**Safety equipment:** Full protective suit and compressed air respiratory equipment.  
**Other information:** Cool endangered containers with water spray jet.

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#### **6 MEASURES IN THE CASE OF UNINTENTIONAL RELEASE**

**Personnel-related precautions:** Avoid contact with skin and eyes. Do not inhale fumes. Remove all personnel from the danger zone whose presence is not required. Seal off leaks, without taking personnel risk if at all possible.

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## **6 MEASURES IN THE CASE OF UNINTENTIONAL RELEASE**

### **Protective equipment:**

Gloves made from nitrile rubber, gloves covering wrists and forearms, jacket and trousers made from nitrile rubber, knee-high rubber safety boots. In the case of danger of inhaling aerosols/spray/spray-droplets, please wear full mask with filter for organic vapours and particles. Please wear circulation respiratory equipment in unventilated areas.

### **Environmental protection measures:**

Prevent contamination of water and soil. Prevent product escaping into the sewerage system, into rivers or lakes by building barriers made from sand or earth, or using other suitable checking measures.

### **Measures following spillage - small quantities:**

Absorb and check product using sand, earth or adsorbent material. Transfer to a marked, sealable container and dump safely. Please leaky containers in a marked barrel of salvage barrel. Clean soiled surface with detergent. Treat liquid used for washing as special waste.

### **Measures following spillage - large quantities:**

Transfer to a marked, sealable container for treatment or dumping purposes. Treatment of residues is the same as for spillage of small quantities.

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## **7 HANDLING AND STORAGE**

### **Handling:**

Only use in well ventilated areas. Avoid contact with the skin over longer periods as well as repeated contact. Do not inhale fumes, spray mist, mist. Do not handle above flash point as combustible or explosive vapour-air mixtures may form. Do not eat, drink or smoke when working. Take precautions against electrostatic charging.

### **Storage:**

#### **Requirement for storage rooms and containers:**

Store containers in a cool, well ventilated place; containers must be tightly sealed. Prevent penetration into the ground.

#### **Instructions concerning storage with other materials:**

Do not store together with oxidising agents. Do not store together with fire-promoting and self-igniting substances as well as highly flammable solids.

#### **Further information on storage conditions:**

Protect against heating, overheating and direct sunlight.

#### **Storage class:**

VbF (Decree concerning Combustible Liquids)

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## **8 LIMITING OF EXPOSURE AND PERSONAL PROTECTIVE EQUIPMENT**

### **Limiting values in the workplace:**

Aliphatic hydrocarbon mixture

CAS-No. 64742-48-9

Name of substance Shellsol D 60

Share

Limiting value in accordance  
with TGRS 900/901

MCW = 1.000 mg/m<sup>3</sup>

MCW = 200 ppm

\* Technical Directions for Hazardous Substances

\* MCW = Maximum concentration in the workplace

### **Technical Safety Measures:**

Only use in well ventilated areas.

### **Respiratory protection:**

In the case of danger of inhaling: half-mask with multi-purpose filter for organic vapours and particles.

### **Hand protection:**

Gloves made from nitrile rubber.

### **Eye protection:**

Protective goggles.

### **Body protection:**

Chemical resistant safety shoes or boots. Standard work clothing.

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## **9 PHYSICAL AND CHEMICAL PROPERTIES**

### **Appearance:**

Form:	liquid
Colour:	green
Smell:	mineralic

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

### SAFETY DATA

	Method	Value/Range	Unit
ph-value			
Change of state			
-drop point	ISO 2176		
-drop point	DIN 51 801/2		
Flash point	DIN EN 22719/1	>65	°C
Inflammation point			
Fire promoting properties			
Explosion risk			
Explosibility limits			
-lower limit		0,7	Vol.%
-upper limit		8,0	Vol.%
Steam pressure at 20°C/50°C		<1/6	hPa
Density at 15°C	DIN 51757	0,820	g/cm <sup>3</sup>
Solubility			
-in water		insoluble	
-other		--	
Viscosity	DIN 51 562	21,4	cSt.
Solvent content		50	%
<b>Additional data:</b>			
Penetration		n.a.	
Breaking point	DIN 52 012	-30	°C
Corrosion protection	DIN EN ISO 6988	6 cycl./0	rust traces

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## 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions.
<b>Conditions to be avoided:</b>	Heat, flames and sparks.
<b>Materials to be avoided:</b>	None known.
<b>Dangerous products of decomposition:</b>	None known.

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## 11 TOXICOLOGY INFORMATION

### Basis of the evaluation:

The evaluation was derived from toxicological data concerning individual constituents or similar products.

### Toxicological Test:

Acute Toxicity	Solid	Solvent
LD 50 oral	> 5.000 mg/kg	> 2.000 mg/kg (estimated)
LD 50 dermal	> 3.000 mg/kg	> 2.000 mg/kg (estimated)
LC 50 inhaled	no data available	> 5 mg/l (estimated)

### Skin irritation:

Not an irritating substance in accordance with EU Directives.

### Eye irritation:

No irritation.

### Skin sensitisation:

No sensitisation through contact with the skin.

### Mutagenicity:

No mutagenicity (guessed)

### Experience with people:

Contact over longer periods or repeated contact can remove the skin's natural oils and lead to dermatitis. Swallowing followed by vomiting can lead to aspiration into the lungs causing asphyxiation or toxic lung oedema.

### General remarks:

The product poses no particular known risks if used correctly and in compliance with the usual precautionary measures for handling mineral oil products.

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## 12 ENVIRONMENTAL INFORMATION

### General information:

No environmental damage to be expected if used correctly. Do not allow to escape into rivers, lakes etc. or into sewerage system. It can be separated mechanically in sewerage treatment plants. Product is insoluble in water.

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**13 DISPOSAL INFORMATION**

**Product:**

Incineration in suitable plants in compliance with legislation and requirements imposed by authorities. Regulations concerning special waste must be observed.

**Waste key number:** 55370 = solvent

**Unclean packaging:**

Contaminated packaging must be emptied fully and may be recycled following appropriate cleaning. Do not pierce, cut or weld containers that have not been cleaned.

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**14 TRANSPORT INFORMATION**

No dangerous goods according to the transport information.

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**15 REGULATIONS**

**Labelling according to EEC Directives:** Wire rope corrosion protection, inflammable.

**Identifying letter and hazard designation of the product:**

Not applicable as its viscosity is higher than 7cSt. at 40°C.

**R-sentences:** (R 65) Detrimental to health. Swallowing may cause lung damage.

**S-sentences:** (S 23) Do not inhale fumes.

(S 24) Avoid contact with the skin.

(S 62) Do not induce vomiting if swallowed. Call a doctor immediately and show him/her this label.

**Technical Directions Air:** (Appendix E: organic substances) class III

**Water hazard class:** 1 (\*KBWS): mildly hazardous to water (own classification)

\* KBWS = Catalogue of Substances Hazardous to Water.

**Fire class:** B (combustible, liquid substances)+

**VbF:** A III

(Decree concerning Combustible Liquids)

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**16 OTHER INFORMATION**

The above information is based on our present level of knowledge and describes the safety requirements of the product. Said information, however, does not constitute a guarantee of product characteristics. Neither does it provide the ground of contractual relationship. We accept no responsibility for errors in or incompleteness of this specification sheet.