

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Jokisch Korja Nefo 60.12

Print date: 24.01.2017

Product code: 249

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Jokisch Korja Nefo 60.12

Further trade names

Old product name: Jokisch Korrosionsschutzwachs DW

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

Use of the substance/mixture

Corrosion inhibitor

1.3. Details of the supplier of the safety data sheet

Company name:	Jokisch GmbH	
Street:	Industriestraße 5	
Place:	DE-33813 Oerlinghausen	
Telephone:	+49(0)5202/9734-0	Telefax: +49(0)5202/9734-49
e-mail:	info@jokisch-fluids.de	
Contact person:	Herr Sengenhoff	
e-mail:	MSDS@jokisch-fluids.de	
Internet:	www.jokisch-fluids.de	

1.4. Emergency telephone number:

Giftnotruf Berlin: +49 (0) 30 / 30686 790

SECTION 2: Hazards identification

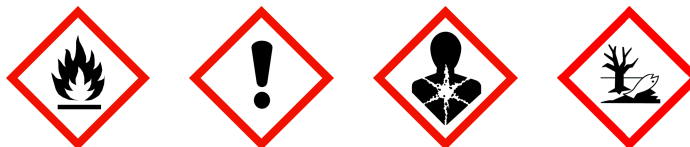
2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard Statements:
Flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause drowsiness or dizziness.
Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word: Danger**Pictograms:**

Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P370+P378	In case of fire: Use water to extinguish.
P302+P352	IF ON SKIN: Wash with plenty of water.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.



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P331	Do NOT induce vomiting.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Special labelling of certain mixtures

EUH019	May form explosive peroxides.
EUH031	Contact with acids liberates toxic gas.
EUH066	Repeated exposure may cause skin dryness or cracking.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
68476-81-3	Paraffin waxes and Hydrocarbon waxes, oxidized, calcium salts	25-50 %		
	270-701-6			
	Eye Irrit. 2; H319			
	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	10-25 %		
	927-344-2		01-2119463586-28	
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H304 H411 EUH066			
64742-48-9	Kohlenwasserstoffe, C9-C11, n-Alkane, Isoalkane, Cyclene, <2% Aromaten	10-25 %		
	919-857-5			
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1; H226 H336 H304 EUH066			
64742-48-9	Naphtha (petroleum), hydrotreated heavy	2,5-10 %		
	265-150-3			
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1; H226 H336 H304			
	synthetisches neutrales Calciumpetroleumsulfonat	2,5-10 %		
	263-093-9			
	Skin Sens. 1A; H317			
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	1-2,5 %		
	203-961-6	603-096-00-8		
	Eye Irrit. 2; H319			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Seek medical attention if problems persist. No administration in cases of unconsciousness or cramps.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids



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apart. Consult an ophthalmologist.

After ingestion

Do not induce vomiting.

Caution if victim vomits: Risk of aspiration!

In case of swallowing, keep the patient at rest and contact a doctor.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water fog. Extinguishing powder. Carbon dioxide. Foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire:

Carbon monoxide.

Carbon dioxide (CO₂).

Sulfur oxides.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical resistant suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

Treat the assimilated material according to the section on waste disposal.

Collect in closed containers for disposal.

Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Clean contaminated objects and areas thoroughly observing environmental regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid oil mist

Use only in well-ventilated areas.

Direct contact with skins avoid.

When using do not eat, drink or smoke.

Advice on protection against fire and explosion

Prevent access by unauthorised personnel.

Further information on handling

High slip hazard because of leaking or spilled product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep the packing dry and well sealed to prevent contamination and absorption of dampness.

Recommended storage temperature: 5-40 °C



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Advice on storage compatibility

- Keep away from food, drink and animal feedingstuffs.
- Do not store with strong oxidizing agents.
- Maximum period of storage (time): 3 Jahr

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	WEL
		15	101.2		STEL (15 min)	WEL

8.2. Exposure controls

Protective and hygiene measures

Use personal protection equipment as per Directive 89/686/EEC.

Eye/face protection

Use glasses or face shield if there is a risk of splashing.

Hand protection

Protect skin by using skin protective cream. Wear protective gloves if advisable under safety aspects.
Wash hands before breaks and at the end of work.
Gloves of appropriate material (i.e. nitrilic rubber, specification: penetration time: level 6, >480 min., thickness 0,9-1 mm; CE-certified acc. EN 374 cat III)

Skin protection

Chemical resistant safety shoes. Take off immediately all contaminated clothing.
Thorough skin-cleansing after handling the product. Set out skin protection guidelines.

Respiratory protection

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	
Odour:	characteristic

Test method

Changes in the physical state

Flash point:	48 °C	ASTM D 93
Lower explosion limits:	0,6 vol. %	
Upper explosion limits:	6 vol. %	
Density (at 15 °C):	0,84 g/cm ³	DIN 51757
Viscosity / kinematic: (at 40 °C)	>20,5 mm ² /s	ASTM D 7042

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

Protect against: heat.



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10.5. Incompatible materials

The following must be prevented: Oxidizing agents, strong.

10.6. Hazardous decomposition products

Hazardous decomposition products: none/none

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

Data apply to the principal component.

Acute toxicity

after ingestion: LD50: > 2000mg/kg Rat.

After skin contact: LD50: > 2000mg/kg Rat.

following inhalation: LC50: > 5mg/1/4hRat.

CAS No	Chemical name	Exposure route	Dose	Species	Source
	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)				
		oral	LD50 >2000 mg/kg	RAT	
		dermal	LD50 >2000 mg/kg	RABBIT	
64742-48-9	Kohlenwasserstoffe, C9-C11, n-Alkane, Isoalkane, Cyclene, <2% Aromaten				
		oral	LD50 >5000 mg/kg	Rat.	
		dermal	LD50 >5000 mg/kg	Rabbit.	
		inhalative (4 h) aerosol	LC50 >5 mg/l	Rat.	
64742-48-9	Naphtha (petroleum), hydrotreated heavy				
		oral	LD50 >5000 mg/kg	rat	
		dermal	LD50 >3000 mg/kg	rab	
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether				
		oral	LD50 5660 mg/kg	Rat	
		dermal	LD50 4120 mg/kg	Rabbit	

Additional information on tests

No risks worthy of mention. Practical experience.

The statement is derived from the properties of the components.

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information

12.1. Toxicity

The statement is derived from the properties of the components.

Can be concentrated in organisms.

Product is not easily biodegradable.



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CAS No	Chemical name				
	Aquatic toxicity	Dose	[h] [d]	Species	Source
	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)				
	Acute fish toxicity	LC50	10-30 mg/l	96 h	Oncorhynchus mykiss
	Acute crustacea toxicity	EC50	10-22 mg/l	48 h	Daphnia magna
64742-48-9	Kohlenwasserstoffe, C9-C11, n-Alkane, Isoalkane, Cyclene, <2% Aromaten				
	Acute fish toxicity	LC50	>1000 mg/l	96 h	Oncorhynchus mykiss
	Acute algae toxicity	ErC50	>1000 mg/l		Pseudokirchneriella subcapitata
	Algae toxicity	NOEC	>100 mg/l		Pseudokirchneriella subcapitata
64742-48-9	Naphtha (petroleum), hydrotreated heavy				
	Acute fish toxicity	LC50	2200 mg/l	96 h	Pimephales promelas
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether				
	Acute algae toxicity	ErC50	> 100 mg/l		Scenedesmus sp.
	Acute crustacea toxicity	EC50	> 100 mg/l	48 h	Daphnia magna

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	0,56 (25°C)

12.4. Mobility in soil

in delivery condition: liquid

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal number of waste from residues/unused products

130899 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); oil wastes not otherwise specified; wastes not otherwise specified
Classified as hazardous waste.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 1993
14.2. UN proper shipping name:	Entzündbarer flüssiger Stoff, n.a.g.
14.3. Transport hazard class(es):	3
14.4. Packing group:	III

Inland waterways transport (ADN)

14.1. UN number:	UN 1993
14.3. Transport hazard class(es):	3
14.4. Packing group:	III

Marine transport (IMDG)

14.1. UN number:	UN 1993
14.3. Transport hazard class(es):	3
14.4. Packing group:	III

Air transport (ICAO)



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14.1. UN number: UN 1993

14.3. Transport hazard class(es): 3

14.4. Packing group: III

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



SECTION 15: Regulatory information

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

National regulatory information

Water contaminating class (D): 2 - water contaminating

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,9.

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
EUH019	May form explosive peroxides.
EUH031	Contact with acids liberates toxic gas.
EUH066	Repeated exposure may cause skin dryness or cracking.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)