

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Jokisch Korja Nefo 60.12

Revision date: 02.03.2020

Product code: 249_1

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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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	
e-mail (Contact person):	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****2.2. Label elements****Regulation (EC) No. 1272/2008****Signal word:** Warning**Special labelling of certain mixtures**

EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts. May produce an allergic reaction.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
1174522-45-2	Kohlenwasserstoffe, C13-C16, n-Alkane, Isoalkane, Cycloalkane, <0,03%			10-20%
	934-954-2		01-2119826592-36	
	Asp. Tox. 1; H304			
64742-47-8	Kohlenwasserstoffe, C12-C15, n-Alkane, iso-Alkane, Cycloalkane, < 2%			10-20%
	920-107-4	649-422-00-2	01-2119453414-43	
	Asp. Tox. 1; H304			
1335203-17-2	Kohlenwasserstoffe, C15-C20, n-Alkane, Isoalkane, Cyclene, < 0.03%			10-20 %
	934-956-3		01-2119827000-58	
	Asp. Tox. 1; H304			
64742-55-8	Destillate (Erdöl) mit Wasserstoff behandelte leichte paraffinhaltige			10-20 %
	265-158-7		01-2119487077-29	
	Asp. Tox. 1; H304			
61789-86-4	Sulfonic acids, petroleum, calcium salts			3-5 %
	263-093-9		01-2119488992-18	
	Skin Sens. 1B; H317			

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

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Do not breathe gas/fumes/vapour/spray. Seek medical attention if problems persist. No administration in cases of unconsciousness or cramps.

First aider: Pay attention to self-protection!

After inhalation

Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.

After contact with skin

Remove contaminated, saturated clothing immediately. Wash with plenty of soap and water.
May cause an allergic skin reaction.

After contact with eyes

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

4.2. Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

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

Treat symptomatically

SECTION 5: Firefighting measures**5.1. Extinguishing media**



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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

In case of fire may be liberated:

Carbon monoxide

Carbon dioxide (CO₂).

Sulfur oxides.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Keep away from unprotected people. Keep upwind.

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter into surface water or drains.

Treat the recovered material as prescribed in the section on waste disposal.

Collect in closed containers for disposal.

Prevent spread over a wide area (e.g. by containment or oil barriers).

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 articles and floor according to the environmental legislation.

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Only use the material in places where open light, fire and other flammable sources can be kept away. Use explosion-proof electrical equipment.

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

Remove all sources of ignition. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

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 humidity.

Recommended storage temperature: 10-40 °C

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Do not store with strong oxidizing agents.

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Maximum period of storage (time): 3 Years

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.2. Exposure controls****Protective and hygiene measures**

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

Provide adequate ventilation.

Eye/face protection

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

Wear safety glasses or full face shield if splashes are likely to occur. Approved to EU Standard EN166.

Hand protection

Protect skin by using skin protective cream. Wear protective gloves if advisable under safety aspects.

Wash hands before breaks and after 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 exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Filtertyp: A, B, E, K. Klasse 1: Höchstzulässige Schadstoffkonzentration in der Atemluft

= 1000 mL/m³ (0,1 Vol.-%); Klasse 2 = 5000 mL/m³ (0,5 Vol.-%); Klasse 3 = 10000 mL/m³ (1,0 Vol.-%).**Environmental exposure controls**

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Paste
Colour:	dark brown
Odour:	characteristic

Test method

pH-Value:	not applicable
Changes in the physical state	
Initial boiling point and boiling range:	not determined
Flash point:	not determined ASTM D 93
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Density (at 15 °C):	0,89 g/cm ³ DIN 51757
Viscosity / kinematic: (at 40 °C)	not determined ASTM D 7042

9.2. Other information

No information available.

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SECTION 10: Stability and reactivity**10.1. Reactivity**

No known hazardous reactions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Protect against: heat. Keep away from sources of ignition - No smoking.

10.5. Incompatible materials

The following must be prevented: Oxidizing agents, strong. Strong acid ,Strong alkali .

10.6. Hazardous decomposition productsHazardous decomposition products: Carbon monoxide, Carbon dioxide (CO₂).**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 main component.

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Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1174522-45-2	Kohlenwasserstoffe, C13-C16, n-Alkane, Isoalkane, Cycloalkane, <0,03%				
	oral	LD50 > 5000 mg/kg	Rat		OECD 401
	dermal	LD50 > 2000 mg/kg	Rat		OECD 402
64742-47-8	Kohlenwasserstoffe, C12-C15, n-Alkane, iso-Alkane, Cycloalkane, < 2%				
	oral	LD50 > 5000 mg/kg	Rat		OECD 401
	dermal	LD50 > 3160 mg/kg	Rabbit		OECD 402
	inhalation (4 h) vapour	LC50 4,951 mg/l	Rat		
1335203-17-2	Kohlenwasserstoffe, C15-C20, n-Alkane, Isoalkanes, Cyclene, < 0.03%				
	oral	LD50 > 5000 mg/kg	Rat		OECD 401
	dermal	LD50 > 2000 mg/kg	Rat		OECD 402
	inhalation (4 h) aerosol	LC50 > 5,266 mg/l	Rat		OECD 403
64742-55-8	Destillate (Erdöl) mit Wasserstoff behandelte leichte paraffinhaltige				
	oral	LD50 > 5000 mg/kg	Rat		
	dermal	LD50 > 3000 mg/kg	Rabbit		
61789-86-4	Sulfonic acids, petroleum, calcium salts				
	oral	LD50 > 5000 mg/kg	Rat		OECD 401
	dermal	LD50 > 5000 mg/kg	Rabbit		OECD 402
	inhalation (4 h) aerosol	LC50 > 1,9 mg/l	Rat		EPA OPP 81-3

Additional information on tests

No risks worthy of mention. Practical experience.

The statement is derived from the properties of the single 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.

May accumulate in organisms.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
1335203-17-2	Kohlenwasserstoffe, C15-C20, n-Alkane, Isoalkanes, Cyclene, < 0.03%					
	Acute fish toxicity	LC50 > 1028 mg/l	96 h	scophthalmus maximus		OECD 203
	Acute algae toxicity	ErC50 > 10000 mg/l	72 h	Skeletonema costatum		ISO 10253
	Acute crustacea toxicity	EC50 > 3193 mg/l	48 h	acartia tonsa		ISO 14669
	Fish toxicity	NOEC > 1000 mg/l	28 d	Oncorhynchus mykiss (Rainbow trout)		QSAR
	Crustacea toxicity	NOEC > 1000 mg/l	21 d	Daphnia Magna		QSAR
61789-86-4	Sulfonic acids, petroleum, calcium salts					
	Acute fish toxicity	LC50 > 10000 mg/l	96 h	Cyprinodon variegatus		OECD 203
	Acute algae toxicity	ErC50 > 1000 mg/l	72 h	Pseudokirchneriella subcapitata		EPA OTS 797.1050
	Acute crustacea toxicity	EC50 > 1000 mg/l	48 h	Daphnia magna		EPA OTS 797.1300
	Acute bacteria toxicity	(> 10000 mg/l)		Activated sludge		OECD 209

12.2. Persistence and degradability

Product is not easily biodegradable.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
1335203-17-2	Kohlenwasserstoffe, C15-C20, n-Alkane, Isoalkanes, Cyclene, < 0.03%			
	OECD 306	> 74 %	28	
	Easily biodegradable (concerning to the criteria of the OECD)			
61789-86-4	Sulfonic acids, petroleum, calcium salts			
	OECD 301D	8 %	28	
	Poorly biodegradable.			
	OECD 301F	8,6 %	28	
	Poorly biodegradable.			
	OECD 301B	1,5%	28	
	Poorly biodegradable.			

12.3. Bioaccumulative potential

insoluble. Floats on water.

12.4. Mobility in soil

in delivery condition: liquid

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

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Advice on disposal

The following advice relates to the product that has been left and not to any processed Products. When mixed with other products other disposal methods may become necessary. In doubt, please consult the product supplier or local authority for advice. appropriate waste site or reclaimer in accordance with local and national regulations.

Waste disposal number of waste from residues/unused products

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

Waste disposal number of used product

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es):	No dangerous good in sense of these transport regulations.
14.4. Packing group:	No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

14.1. UN number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es):	No dangerous good in sense of these transport regulations.
14.4. Packing group:	No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

14.1. UN number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es):	No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name:	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es):	No dangerous good in sense of these transport regulations.

Excepted quantity: E1

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Personal protection equipment: see section 8

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 28: Destillate (Erdöl) mit Wasserstoff behandelte leichte paraffinhaltige

2010/75/EU (VOC): 0,0

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Information according to 2012/18/EU
(SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions:

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D):

2 - clearly water contaminating

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts. May produce an allergic reaction.

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