

WOLFRASYN ULAF

Version 1.0

Revision Date 09.07.2015

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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : WOLFRASYN ULAF
Article-No. : 003001

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

Use of the Substance/Mixture : Grease
Recommended restrictions on use : Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

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D-81379 München
Deutschland
Tel: +49 (0) 897876-0
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Geisenhausenerstraße 7
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1.4 Emergency telephone number

0049 (0) 897876-700 (24hrs)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.
Chronic aquatic toxicity, Category 3 H412: Harmful to aquatic life with long lasting effects.

Classification (67/548/EEC, 1999/45/EC)

Sensitising R43: May cause sensitisation by skin contact.
Dangerous for the environment R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic

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environment.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms

:



Signal word

: Warning

Hazard statements

: H317
H412

May cause an allergic skin reaction.
Harmful to aquatic life with long lasting effects.

Precautionary statements

: **Prevention:**

P261

Avoid breathing dust.

P272

Contaminated work clothing should not be allowed out of the workplace.

P273

Avoid release to the environment.

P280

Wear protective gloves.

Response:

P302 + P352

IF ON SKIN: Wash with plenty of soap and water.

P333 + P313

If skin irritation or rash occurs: Get medical advice/ attention.

Hazardous components which must be listed on the label:

90-30-2

N-1-naphthylaniline

2.3 Other hazards

3. Composition/information on ingredients

3.2 Mixtures

Chemical nature

: polyalkylene glycol oil
solid lubricant

Hazardous components

Chemical Name	CAS-No. EC-No. Index-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
N-1-naphthylaniline	90-30-2 201-983-0	Xn; R22 Xi; R43 N; R50/53	Acute Tox. 4; H302 Skin Sens. 1; H317 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 1 - < 2,5

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Substances with a workplace exposure limit :				
Graphite	7782-42-5 231-955-3			>= 30 - < 50

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

- If inhaled : Call a physician or poison control centre immediately.
Remove person to fresh air. If signs/symptoms continue, get medical attention.
Keep patient warm and at rest.
If unconscious place in recovery position and seek medical advice.
Keep respiratory tract clear.
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Take off all contaminated clothing immediately.
Wash off immediately with soap and plenty of water.
Get medical attention immediately if irritation develops and persists.
Wash clothing before reuse.
Thoroughly clean shoes before reuse.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.
Seek medical advice.
- If swallowed : Move the victim to fresh air.
If unconscious place in recovery position and seek medical advice.
Keep respiratory tract clear.
Do not induce vomiting without medical advice.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.
- Risks : None known.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : No information available.

5. Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Fire may cause evolution of:
Carbon oxides
Nitrogen oxides (NOx)

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.
In the case of respirable dust and/or fumes, use self-contained breathing apparatus.
Exposure to decomposition products may be a hazard to health.

Further information : Standard procedure for chemical fires.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Evacuate personnel to safe areas.
Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).
Avoid breathing dust.
Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions : Do not allow contact with soil, surface or ground water.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Clean up promptly by sweeping or vacuum.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid contact with skin and eyes.
For personal protection see section 8.
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is

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being used.
Smoking, eating and drinking should be prohibited in the application area.
Wash hands and face before breaks and immediately after handling the product.
Do not get in eyes or mouth or on skin.
Do not get on skin or clothing.
Do not ingest.
Do not repack.
These safety instructions also apply to empty packaging which may still contain product residues.
Keep container closed when not in use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container.
Keep container closed when not in use.
Keep in a dry, cool and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Store in accordance with the particular national regulations.
Keep in properly labelled containers.

German storage class : 11 Combustible Solids

7.3 Specific end use(s)

: Consult the technical guidelines for the use of this substance/mixture.

8. Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value type	Control parameters	Update	Basis
Graphite	7782-42-5	AGW	10 mg/m3	2012-09-13	DE TRGS 900
Further information:	General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet have information regarding unspecific action on the respiratory organs in excess of the normal values.				
Graphite	7782-42-5	AGW	3 mg/m3	2012-09-13	DE TRGS 900
Further information:	General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet have information regarding unspecific action on the respiratory organs in excess of the normal values.				

8.2 Exposure controls

Engineering measures

Maintain air concentrations below occupational exposure standards.

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Personal protective equipment

- Respiratory protection : Not required; except in case of aerosol formation.
Filter type P
- Hand protection : Wear protective gloves.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.
In case of contact through splashing:

: Nitrile rubber
Protective index Class 1
- Eye protection : Tightly fitting safety goggles
Safety glasses with side-shields conforming to EN166
- Hygiene measures : Wash face, hands and any exposed skin thoroughly after handling.
- Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Environmental exposure controls

- General advice : Do not allow contact with soil, surface or ground water.
If the product contaminates rivers and lakes or drains inform respective authorities.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Form : paste
- Colour : black
- Odour : characteristic
- Odour Threshold : No data available
- pH : No data available
- Melting point/range : No data available
- Boiling point/boiling range : No data available
- Flash point : not applicable
- Evaporation rate : No data available
- Flammability (solid, gas) : Combustible Solids

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Lower explosion limit	: No data available
Upper explosion limit	: No data available
Vapour pressure	: < 0,001 hPa, 20 °C
Relative vapour density	: No data available
Density	: 1,30 g/cm ³ , 20 °C
Water solubility	: insoluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Ignition temperature	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Oxidizing properties	: No data available

9.2 Other information

Sublimation point	: No data available
Bulk density	: No data available

10. Stability and reactivity

10.1 Reactivity

No hazards to be specially mentioned.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : No conditions to be specially mentioned.

10.5 Incompatible materials

Materials to avoid : No materials to be especially mentioned.

10.6 Hazardous decomposition products

Hazardous decomposition products : No decomposition if stored and applied as directed.

11. Toxicological information

11.1 Information on toxicological effects

Product

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according to Regulation (EC) No. 1907/2006 - DE



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Acute oral toxicity	: Acute toxicity estimate: > 2.000 mg/kg, Calculation method
Acute inhalation toxicity	: This information is not available.
Acute dermal toxicity	: Redness, Local irritation
Skin corrosion/irritation	: This information is not available.
Serious eye damage/eye irritation	: This information is not available.
Respiratory or skin sensitisation	: This information is not available.
Germ cell mutagenicity	
Genotoxicity in vitro	: No data available
Genotoxicity in vivo	: No data available
Carcinogenicity	: No data available
Reproductive toxicity	: No data available
Teratogenicity	: No data available
Repeated dose toxicity	: This information is not available.
Aspiration toxicity	: This information is not available.
Further information	: Information given is based on data on the components and the toxicology of similar products.

Components:

N-1-naphthylaniline :

Acute oral toxicity	: LD50: 1.625 mg/kg, rat : Harmful if swallowed.
Acute dermal toxicity	: LD50: > 5.000 mg/kg, rabbit : Redness, Local irritation
Skin corrosion/irritation	: rabbit, Result: No skin irritation, Classification: No skin irritation, OECD Test Guideline 404
Serious eye damage/eye irritation	: rabbit, Result: No eye irritation, Classification: No eye irritation, OECD Test Guideline 405
Respiratory or skin sensitisation	: guinea pig, Result: May cause sensitisation by skin contact., Classification: May cause sensitisation by skin contact., OECD Test Guideline 406
STOT - repeated exposure	: Exposure routes: Ingestion Target Organs: Cardio-vascular system Assessment: May cause damage to organs through prolonged or repeated exposure.
Further information	: Information given is based on data on the components and the toxicology of similar products.

Graphite :

Acute inhalation toxicity	: Dust may cause sore throat and pains in the lungs and chest., Respiratory disorder, Inhalation may provoke the following
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	symptoms:
Skin corrosion/irritation	: rabbit, Result: No skin irritation, Classification: No skin irritation, OECD Test Guideline 404, GLP: yes
Serious eye damage/eye irritation	: rabbit, Result: No eye irritation, Classification: No eye irritation, OECD Test Guideline 405, GLP: yes : Contact with eyes may cause irritation.
Respiratory or skin sensitisation	: mouse, Result: Does not cause skin sensitisation., Classification: Does not cause skin sensitisation., OECD Test Guideline 429, GLP: yes

12. Ecological information

12.1 Toxicity

Product:

Toxicity to fish	: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Toxicity to daphnia and other aquatic invertebrates	: No data available
Toxicity to algae	: No data available
Toxicity to bacteria	: No data available

Components:

N-1-naphthylaniline :

Toxicity to fish	: LC50: 0,44 mg/l, 96 h, Oncorhynchus mykiss (rainbow trout)
	: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Toxicity to daphnia and other aquatic invertebrates	: EC50: 0,32 mg/l, 48 h, Daphnia magna (Water flea), OECD Test Guideline 202
Toxicity to algae	: EC50: 0,25 mg/l, 72 h, Desmodesmus subspicatus (green algae)
M-Factor	: 1
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 0,025 mg/l, 21 d, Daphnia magna (Water flea)

Ecotoxicology Assessment

Acute aquatic toxicity	: Very toxic to aquatic life.
Chronic aquatic toxicity	: Very toxic to aquatic life with long lasting effects.

Graphite :

Toxicity to fish	: LC50: > 100 mg/l, 96 h, Danio rerio (zebra fish), OECD Test
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Guideline 203, GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50: > 100 mg/l, 48 h, Daphnia magna (Water flea), OECD Test Guideline 202, GLP: yes

Toxicity to algae : EC50: > 100 mg/l, 72 h, Pseudokirchneriella subcapitata (green algae), OECD Test Guideline 201, GLP: yes

12.2 Persistence and degradability

Product:

Biodegradability : No data available
Physico-chemical removability : No data available

Components:

N-1-naphthylaniline :

Biodegradability : 0 %, Result: not rapidly biodegradable, Exposure time: 28 d, OECD 301 C

12.3 Bioaccumulative potential

Product:

Bioaccumulation : This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)., This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

Components:

N-1-naphthylaniline :

Bioaccumulation : Cyprinus carpio (Carp), Exposure time: 56 d, Bioconcentration factor (BCF): 2.700
: Lepomis macrochirus (Bluegill sunfish), Exposure time: 10 d, Bioconcentration factor (BCF): 600, Does not bioaccumulate.

12.4 Mobility in soil

Product:

Mobility : No data available
Distribution among environmental compartments : No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Additional ecological information : Harmful to aquatic life with long lasting effects.

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Components:

N-1-naphthylaniline :

Additional ecological
information

: Very toxic to aquatic organisms, may cause long-term adverse
effects in the aquatic environment.

13. Disposal considerations

13.1 Waste treatment methods

Product

: The product should not be allowed to enter drains, water
courses or the soil.

: Waste codes should be assigned by the user based on the
application for which the product was used.

Contaminated packaging

: Empty containers can be landfilled, when in accordance with
the local regulations.

14. Transport information

14.1 UN number

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 Proper shipping name

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.3 Transport hazard class

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.5 Environmental hazards

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ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available

15. Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Major Accident Hazard Legislation : 96/82/EC Update: not applicable

Water contaminating class (Germany) : WGK 1: slightly water endangering

TA Luft List (Germany) : Total dust: Portion other substances: 38,25 %
Inorganic substances in powdered form: not applicable
Inorganic substances in vapour or gaseous form: not applicable
Organic Substances: portion Class 1: 59,78 % ; Portion other substances: 1,97 %
Carcinogenic substances: not applicable
Mutagenic: not applicable
Toxic to reproduction: not applicable

15.2 Chemical Safety Assessment

This information is not available.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R22	Harmful if swallowed.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of H-Statements referred to under sections 2 and 3.

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H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H373	May cause damage to organs through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further information

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