

## ***SUPER LUBE 100***

Version 1.0

Revision Date 11.12.2017

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

#### **1.1 Product identifier**

Trade name : SUPER LUBE 100

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

Use of the Substance/Mixture : Lubricant

Recommended restrictions on use : Reserved for industrial and professional use.

#### **1.3 Details of the supplier of the safety data sheet**

Company: Gardner Denver Schopfheim GmbH  
Postfach 1260  
79642 Schopfheim  
Germany

Phone: +49 (0) 7622 – 392 – 0  
Fax: +49 (0) 7622 – 392 – 300

<http://www.gd-elmorietschle.com>  
[er.de@gardnerdenver.com](mailto:er.de@gardnerdenver.com)

#### **1.4 Emergency telephone number**

Emergency telephone number: +49 (0) 700 24112112 (GDS) outside USA  
+1149 (0) 700 24112112 (contact ID: GDS) inside USA

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

Chronic aquatic toxicity, Category 3                      H412: Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008)**

Hazard statements                      : H412                      Harmful to aquatic life with long lasting effects.

Precautionary statements            : **Prevention:**  
P273                                      Avoid release to the environment.  
**Disposal:**  
P501                                      Dispose of contents/ container to an approved waste disposal plant.

**Additional Labelling:**

EUH208                      Contains: N-1-naphthylaniline. May produce an allergic reaction.

#### 2.3 Other hazards

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.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

**Hazardous components**

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
N-1-naphthylaniline	90-30-2 201-983-0 01-2119488704-27-xxxx	Acute Tox.4; H302 Skin Sens.1; H317 STOT RE2; H373 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0.25 - < 1
diphenylamine	122-39-4 204-539-4 01-2119488966-13-0004	Acute Tox.3; H301 Acute Tox.3; H331 Acute Tox.3; H311 Eye Irrit.2; H319 STOT RE2; H373 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0.1 - < 0.25

For explanation of abbreviations see section 16.

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### **SECTION 4: First aid measures**

#### **4.1 Description of first aid measures**

- If inhaled : Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
If not breathing, give artificial respiration.  
Call a physician or poison control centre immediately.  
If breathing is difficult, give oxygen.  
Keep respiratory tract clear.
- In case of skin contact : Wash off with soap and plenty of water.  
If symptoms persist, call a physician.  
Take off contaminated clothing and wash before reuse.
- In case of eye contact : If eye irritation persists, consult a specialist.
- If swallowed : Rinse mouth with water.  
If victim is fully conscious, give a cupful of water.  
DO NOT induce vomiting unless directed to do so by a physician or poison control center.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Do not give milk or alcoholic beverages.  
Obtain medical attention.

#### **4.2 Most important symptoms and effects, both acute and delayed**

- Symptoms : None known.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

- Treatment : For specialist advice physicians should contact the Poisons Information Service.

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

- Suitable extinguishing media : Water mist  
Dry powder  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry sand
- Unsuitable extinguishing media : High volume water jet

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### **5.2 Special hazards arising from the substance or mixture**

Specific hazards during firefighting : Burning produces noxious and toxic fumes.

### **5.3 Advice for firefighters**

Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Ensure adequate ventilation.  
Use personal protective equipment.  
Forms slippery/greasy layers with water.

### **6.2 Environmental precautions**

Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.

### **6.3 Methods and material for containment and cleaning up**

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

Refer to protective measures listed in sections 7 and 8.

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Advice on safe handling : For personal protection see section 8.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.

Other data : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : Lubricant

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
diisodecyl phthalate	26761-40-0	TWA	5 mg/m <sup>3</sup>	GB EH40
diphenylamine	122-39-4	TWA	10 mg/m <sup>3</sup>	GB EH40
diphenylamine	122-39-4	STEL	20 mg/m <sup>3</sup>	GB EH40

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Component	End Use	Exposure routes	Potential health effects	Value:
N-1-naphthylaniline	Workers	Dermal	Long-term systemic effects	0.12 mg/kg
	Workers	Inhalation	Long-term systemic effects	0.41 mg/m <sup>3</sup>
	General exposures	Ingestion	Long-term systemic effects	0.06 mg/kg
	General exposures	Dermal	Long-term systemic effects	0.06 mg/kg
	General exposures	Inhalation	Long-term systemic effects	0.1 mg/m <sup>3</sup>

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Component	Environmental Compartment	Value
N-1-naphthylaniline	Fresh water	Value: 0.0002 mg/l
	Marine water	Value: 0.00002 mg/l
	Fresh water sediment	Value: 0.0344 mg/kg
	Marine sediment	Value: 0.00344 mg/kg
	Soil	Value: 0.0068 mg/kg
	STP	Value: 100 mg/l

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### **8.2 Exposure controls**

#### **Personal protective equipment**

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Hand protection

: Polyvinyl alcohol or nitrile- butyl-rubber gloves The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.  
Before removing gloves clean them with soap and water.

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

#### **Environmental exposure controls**

General advice : If the product contaminates rivers and lakes or drains inform respective authorities.

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## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Appearance : oily  
liquid

Colour : yellow  
Odour : ester-like

Odour Threshold : Not relevant

Melting point/freezing point : Not applicable

Boiling point/boiling range : No information available.

Flash point : > 240 °C

Evaporation rate : No data available

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Relative density	: 0.955 (15 °C)
Solubility(ies) Water solubility	: Not applicable
Viscosity Viscosity, dynamic	: No data available
Viscosity, kinematic	: 96.8 mm <sup>2</sup> /s (40 °C)

### **9.2 Other information**

Oxidizing potential : No information available.

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## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

Stable under recommended storage conditions.

### **10.2 Chemical stability**

No decomposition if stored and applied as directed.

### **10.3 Possibility of hazardous reactions**

Hazardous reactions : Hazardous polymerisation does not occur.

### **10.4 Conditions to avoid**

Conditions to avoid : Contamination  
Continuous exposure to moist air  
Extremes of temperature and direct sunlight.

### **10.5 Incompatible materials**

Materials to avoid : Water  
Strong oxidizing agents  
Strong acids and strong bases

### **10.6 Hazardous decomposition products**

Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

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### **SECTION 11: Toxicological information**

#### **11.1 Information on toxicological effects**

##### **Acute toxicity**

###### **Product:**

- Acute oral toxicity : Remarks: Not classified due to lack of data.
- Acute inhalation toxicity : Remarks: Not classified due to lack of data.
- Acute dermal toxicity : Remarks: Not classified due to lack of data.

###### **Components:**

###### **N-1-naphthylaniline:**

- Acute oral toxicity : LD50 (Rat): 1,625 mg/kg
- Acute dermal toxicity : LD50 Dermal (Rabbit): > 5,000 mg/kg

###### **diphenylamine:**

- Acute oral toxicity : Acute toxicity estimate : 100 mg/kg  
Method: Converted acute toxicity point estimate  
LD50 (Rat): 2,720 mg/kg
- Acute dermal toxicity : Acute toxicity estimate : 300 mg/kg  
Method: Converted acute toxicity point estimate  
LD50 (Rabbit): > 2,000 mg/kg

##### **Skin corrosion/irritation**

###### **Product:**

Remarks: Not classified due to lack of data.

###### **Components:**

###### **N-1-naphthylaniline:**

Species: Rabbit  
Method: Draize Test  
Result: No skin irritation

###### **diphenylamine:**

Species: Rabbit  
Result: Mild skin irritation

##### **Serious eye damage/eye irritation**

###### **Product:**

Remarks: Not classified due to lack of data.

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### **Components:**

#### **N-1-naphthylaniline:**

Species: Rabbit  
Method: OECD Test Guideline 405  
Result: No eye irritation

#### **diphenylamine:**

Species: Rabbit  
Result: Eye irritation

### **Respiratory or skin sensitisation**

#### **Components:**

#### **N-1-naphthylaniline:**

Test Type: Maximisation Test  
Species: Guinea pig  
Assessment: May cause sensitisation by skin contact.  
Result: May cause sensitisation by skin contact.

Test Type: Patch Test  
Species: Human  
Assessment: May cause sensitisation by skin contact.  
Result: May cause sensitisation by skin contact.

#### **diphenylamine:**

Species: Guinea pig  
Result: Does not cause skin sensitisation.

### **Germ cell mutagenicity**

#### **Product:**

Germ cell mutagenicity  
Assessment : Not classified due to lack of data.

#### **Components:**

#### **N-1-naphthylaniline:**

Genotoxicity in vitro : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Result: negative

: Test Type: Chinese Hamster Ovary (CHO)  
Metabolic activation: with and without metabolic activation  
Result: negative

Genotoxicity in vivo : Test Type: in vivo assay  
Test species: Mouse (male)  
Result: negative

Germ cell mutagenicity

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Assessment : Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

**diphenylamine:**

Germ cell mutagenicity  
Assessment

: Animal testing did not show any mutagenic effects.

**Carcinogenicity**

**Product:**

Carcinogenicity  
Assessment

: Not classified due to lack of data.

**Components:**

**N-1-naphthylaniline:**

Carcinogenicity  
Assessment

: Animal testing did not show any carcinogenic effects.

**diphenylamine:**

Carcinogenicity  
Assessment

: Not classifiable as a human carcinogen.

**Reproductive toxicity**

**Product:**

Reproductive toxicity  
Assessment

: Not classified due to lack of data.

**Components:**

**diphenylamine:**

Reproductive toxicity  
Assessment

: No toxicity to reproduction  
No toxicity to reproduction

**STOT - single exposure**

**Product:**

Assessment: Not classified due to lack of data.

**STOT - repeated exposure**

**Product:**

Assessment: Not classified due to lack of data.

**Components:**

**N-1-naphthylaniline:**

Exposure routes: Oral

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Target Organs: Liver, Kidney

Assessment: May cause damage to organs through prolonged or repeated exposure.

### **Repeated dose toxicity**

#### **Components:**

##### **diphenylamine:**

Species: Mouse, male

NOAEL: 1.7 mg/kg

LOAEL: 93.8 mg/kg

Application Route: Oral

Exposure time: 90 d

Target Organs: Blood, Liver, Kidney

Species: Mouse, female

NOAEL: 2.1 mg/kg

LOAEL: 107 mg/kg

Application Route: Oral

Exposure time: 90 d

Target Organs: Blood, Liver, Kidney

### **Aspiration toxicity**

### **Further information**

#### **Product:**

Remarks: The product itself has not been tested.

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## **SECTION 12: Ecological information**

### **12.1 Toxicity**

#### **Product:**

Toxicity to fish : Remarks: No data available

#### **Components:**

##### **N-1-naphthylaniline:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.44 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Analytical monitoring: yes

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 0.68 mg/l  
aquatic invertebrates : Exposure time: 48 h  
Test Type: semi-static test  
Analytical monitoring: yes

Toxicity to bacteria : EC50 (Protozoa): 2 mg/l  
Exposure time: 48 h

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EC50 (Bacteria): > 10,000 mg/l  
Exposure time: 3 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.02 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Analytical monitoring: yes

### **diphenylamine:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2.2 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.2 mg/l  
Exposure time: 48 h

### 12.2 Persistence and degradability

#### **Product:**

Biodegradability : Remarks: No data available

#### **Components:**

##### **N-1-naphthylaniline:**

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Concentration: 100 mg/l  
Result: According to the results of tests of biodegradability this product is not readily biodegradable.  
Biodegradation: 0 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301  
GLP: yes

### 12.3 Bioaccumulative potential

#### **Product:**

Bioaccumulation : Remarks: No data available

#### **Components:**

##### **N-1-naphthylaniline:**

Bioaccumulation : Species: Cyprinus carpio (Carp)  
Exposure time: 56 d  
Temperature: 25 °C  
Concentration: 0.1 mg/l  
Bioconcentration factor (BCF): 427 - 2,730

Partition coefficient: n-octanol/water : log Pow: 4.28

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### **12.4 Mobility in soil**

**Product:**

Mobility : Remarks: 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 : Remarks: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

Product : Dispose of wastes in an approved waste disposal facility. The product should not be allowed to enter drains, water courses or the soil. In accordance with local and national regulations. Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

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## **SECTION 14: Transport information**

### **14.1 UN number**

Not regulated as a dangerous good

### **14.2 UN proper shipping name**

Not regulated as a dangerous good

### **14.3 Transport hazard class(es)**

Not regulated as a dangerous good

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### **14.4 Packing group**

Not regulated as a dangerous good

### **14.5 Environmental hazards**

Not regulated as a dangerous good

### **14.6 Special precautions for user**

Remarks : Not classified as dangerous in the meaning of transport regulations.

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

Not applicable for product as supplied.

## **SECTION 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).

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer

Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants

Not applicable

#### **Major Accident Hazard Legislation**

Seveso Directive

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

**Please note that Section 3 of this document lists only the hazardous components required by the specific country or region hazard communication regulations. The chemical identifiers listed in Section 3 are used globally for hazard communication purposes and may not reflect those used for chemical inventory coverage in a particular country or region. The chemical inventory information given in Section 15 of this document applies to the product as a whole and should be used when evaluating inventory compliance.**

**The components of this product are reported in the following inventories:**

DSL : All components of this product are on the Canadian DSL

AICS : On the inventory, or in compliance with the inventory

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NZIoC	: On the inventory, or in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
TCSI	: Not in compliance with the inventory
US.TSCA	: On TSCA Inventory

### **15.2 Chemical safety assessment**

No information available.

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## **SECTION 16: Other information**

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

H412 Harmful to aquatic life with long lasting effects.

### **Notice to reader**

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from Gardner Denver Schopfheim GmbH.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Gardner Denver Schopfheim GmbH shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken. You can contact the Gardner Denver Schopfheim GmbH to ensure that this document is the most current available.