

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



**Trade name :** eni metalClean WLI DE, Art.-no. 0426  
**Revision date :** 01.04.2015  
**Print date :** 20.07.2015

**Version (Revision) :** 3.0.0 (2.0.0)

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

### 1.1 Product identifier

eni metalClean WLI DE

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

#### Relevant identified uses

Detergent

#### Uses advised against

No information available.

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

#### Supplier (manufacturer/importer/downstream user/distributor)

Eni Schmiertechnik GmbH

#### Street :

Paradiesstraße 14

#### Postal code/city :

97080 Würzburg

#### Telephone :

(+49) 931-90098-0

#### Telefax :

(+49) 931-98442

#### Information contact :

Technical Department, Tel. (+49) 931 900 98-142

#### email:

[technik.wuerzburg@agip.de](mailto:technik.wuerzburg@agip.de), [www.enischmiertechnik-datenblaetter.de](http://www.enischmiertechnik-datenblaetter.de)

### 1.4 Emergency Telephone Number

---

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2A ; Causes serious eye irritation.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

##### Hazard pictograms



Exclamation mark (GHS07)

##### Signal word

Warning

##### Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

##### Precautionary statements

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P332+P313 If skin irritation occurs: Get medical advice/attention.

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



**Trade name :** eni metalClean WLI DE, Art.-no. 0426  
**Revision date :** 01.04.2015  
**Print date :** 20.07.2015

**Version (Revision) :** 3.0.0 (2.0.0)

P337+P313 If eye irritation persists: Get medical advice/attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## 2.3 Other hazards

None

## SECTION 3: Composition / information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

Ammoniumcarboxylate ; EC No. : 248-838-8; CAS No. : 28098-03-5

Weight fraction : 10 - 15 %

Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319

alcohols C8-10 ethoxylated propoxylated, benzyl ether ; CAS No. : 68154-99-4

Weight fraction : 1 - 3 %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315

Alcohols, C10-12, ethoxylated propoxylated ; EC No. : 935-890-8; CAS No. : 68154-97-2

Weight fraction : 1 - 5 %

Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

#### Additional information

Full text of R-, H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Remove affected person from the danger area and lay down. When in doubt or if symptoms are observed, get medical advice. If unconscious place in recovery position and seek medical advice.

#### In case of inhalation

Remove casualty to fresh air and keep warm and at rest.

#### In case of skin contact

Change contaminated, saturated clothing. After contact with skin, wash with plenty of water and soap. In case of skin irritation, consult a physician.

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person or a person with cramps.

#### Self-protection of the first aider

No action shall be taken involving any personal risk or without suitable training.

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

No information available.

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

First Aid, decontamination, treatment of symptoms.

## SECTION 5: Firefighting measures

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



**Trade name :** eni metalClean WLI DE, Art.-no. 0426  
**Revision date :** 01.04.2015  
**Print date :** 20.07.2015

**Version (Revision) :** 3.0.0 (2.0.0)

## 5.1 Extinguishing media

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

### Suitable extinguishing media

Foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>), Water spray jet, Water mist,

## 5.2 Special hazards arising from the substance or mixture

### Hazardous combustion products

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Nitrogen oxides (NO<sub>x</sub>), Smoke and other incomplete combustion products.

## 5.3 Advice for firefighters

Keep unnecessary and unprotected personnel from entering. No action shall be taken involving any personal risk or without suitable training.

### Special protective equipment for firefighters

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

## 5.4 Additional information

Do not inhale explosion and combustion gases.

## SECTION 6: Accidental release measures

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

Use personal protection equipment. Remove persons to safety. Avoid contact with skin, eyes and clothes. Provide adequate ventilation. Wear breathing apparatus if exposed to vapours/aerosols.

### 6.2 Environmental precautions

Cover drains. Do not allow to enter into surface water or drains. Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

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

#### For containment

Cover drains. Stop and contain spill/release if it can be done safely. Prevent spread over a wide area (e.g. by containment or oil barriers).

#### For cleaning up

Clear spills immediately. Wipe up with absorbent material (eg. cloth, fleece). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal. Ventilate affected area. Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4 Reference to other sections

See Section 8 for information on appropriate personal protective equipment.

See Section 12 for environmental precautions.

See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Wear personal protection equipment (see chapter 8). Use only in well-ventilated areas. Open and handle container with care. Always close containers tightly after the removal of product. Avoid contact with skin, eyes and clothes. Do not breathe vapour/spray.

#### Protective measures

##### Measures to prevent fire

Usual measures for fire prevention.

##### Environmental precautions

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)



**Trade name :** eni metalClean WLI DE, Art.-no. 0426  
**Revision date :** 01.04.2015  
**Print date :** 20.07.2015

**Version (Revision) :** 3.0.0 (2.0.0)

Do not allow to enter into surface water or drains.

### Advices on general occupational hygiene

When using do not eat, drink, smoke. Wash hands before breaks and after work. Do not put any product-impregnated cleaning rags into your trouser pockets. Use protective skin cream before handling the product.

## 7.2 Conditions for safe storage, including any incompatibilities

### Packaging materials

Keep/Store only in original container.

### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Only use containers specifically approved for the substance/product. Protect containers against damage.

### Hints on joint storage

Keep away from: Oxidising agent

**Storage class :** 12

**Storage class (TRGS 510) :** 12

### Do not store together with

Food and feedingstuffs

### Further information on storage conditions

**Recommended storage temperature :** 5 - 40°C / 40 - 105°F.

**Protect against :** Heat, UV-radiation/sunlight, Frost,

## 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

To date, no national critical limit values exist.

#### DNEL/DMEL and PNEC values

##### DNEL/DMEL

No DNEL / DMEL-values available.

##### Remark

The DNEL may differ from an Occupational Exposure Limit (OEL) for the same chemical. OELs are considered to be safe exposure levels for a typical worker in an occupational setting for an 8-hour work shift, 40 hour work week, as a time weighted average (TWA) or a 15 minute short-term exposure limit (STEL). The Derived No Effect Level (DNEL) is an estimated safe level of exposure that is derived from toxicity data in accord with specific guidance within the European REACH regulation.

##### PNEC

No DNEL-values available.

### 8.2 Exposure controls

#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Technical measures and the application of suitable work processes have priority over personal protection equipment.

#### Personal protection equipment

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

#### Eye/face protection

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



**Trade name :** eni metalClean WLI DE, Art.-no. 0426  
**Revision date :** 01.04.2015  
**Print date :** 20.07.2015

**Version (Revision) :** 3.0.0 (2.0.0)

Eye glasses with side protection (DIN EN 166)

## Skin protection

### Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Tested protective gloves must be worn: DIN EN 374

#### Suitable material :

Wearing time with permanent contact:

Material: NBR (Nitrile rubber), , CR (polychloroprene, chloroprene rubber),

Thickness of the glove material: 0,70 mm

Breakthrough time (maximum wearing time): > 480 min

Wearing time with occasional contact (splashes):

Material: NBR (Nitrile rubber), , CR (polychloroprene, chloroprene rubber),

Thickness of the glove material: 0,40 mm

Breakthrough time (maximum wearing time): > 30 min

**Unsuitable material :** PVA (Polyvinyl alcohol), , Natural fibres (e.g. cotton)

**Breakthrough time (maximum wearing time):** : For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Check leak tightness/impermeability prior to use.

### Body protection

If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.

## Respiratory protection

Usually no personal respiratory protection necessary. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Respiratory protection necessary at: insufficient ventilation , aerosol or mist formation.

### Suitable respiratory protection apparatus

Combination filtering device (EN 14387)

## General health and safety measures

When using do not eat, drink, smoke. Wash hands before breaks and after work. Do not put any product-impregnated cleaning rags into your trouser pockets. Wash contaminated clothing prior to re-use. Apply skin care products after work.

## Environmental exposure controls

Comply with applicable environmental regulations limiting discharge to air, water and soil.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance :** liquid

**Colour :** light yellow

**Odour :** characteristic

#### Safety relevant basis data

<b>pH value :</b>	( 2 % / 20 °C )		9,1	
<b>Melting point/melting range :</b>			No data available	
<b>Boiling temperature :</b>	( 1013 hPa )	>	100 °C	
<b>Flash point :</b>			No data available	DIN EN ISO 2592
<b>Flammability (Solid, Gas):</b>			not applicable	
<b>Lower explosion limit :</b>			1,3 Vol-%	
<b>Upper explosion limit :</b>			8,5 Vol-%	
<b>Vapour pressure :</b>	( 20 °C )		No data available	
<b>Density :</b>	( 20 °C )		1,05 g/cm <sup>3</sup>	DIN EN ISO 12185
<b>Water solubility :</b>	( 20 °C )		miscible	
<b>Partition Coefficient (n-</b>	( log Pow )		not applicable	

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



**Trade name :** eni metalClean WLI DE, Art.-no. 0426  
**Revision date :** 01.04.2015  
**Print date :** 20.07.2015

**Version (Revision) :** 3.0.0 (2.0.0)

octanol/water):

<b>Ignition temperature :</b>		No data available	
<b>Cinematic viscosity :</b>	( 40 °C )	not relevant	DIN EN ISO 3104
<b>Decomposition temperature :</b>		No data available	
<b>Odour threshold :</b>		No data available	
<b>Relative vapour density :</b>	( 20 °C )	No data available	
<b>Oxidizing Properties:</b>		not oxidising	
<b>Evaporation rate :</b>		No data available	
<b>Vapourisation rate :</b>		No data available	
<b>Explosive Properties:</b>		not explosive	

## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

Oxidising agent, strong.

### 10.6 Hazardous decomposition products

Hazardous decomposition products are not expected to form during normal storage.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Toxicological data are not available. The statement is derived from the properties of the single components.

#### Acute effects

No data available to indicate product may be an acute toxic oral, dermal or inhalation hazard.

#### Irritant and corrosive effects

##### Primary irritation to the skin

Irritating to skin.

##### Irritation to eyes

Irritating to eyes.

#### Sensitisation

not sensitising.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

##### Carcinogenicity

no known significant effects or critical hazards.

##### Germ cell mutagenicity/Genotoxicity

no known significant effects or critical hazards.

##### Reproductive toxicity

no known significant effects or critical hazards.

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



**Trade name :** eni metalClean WLI DE, Art.-no. 0426  
**Revision date :** 01.04.2015  
**Print date :** 20.07.2015

**Version (Revision) :** 3.0.0 (2.0.0)

## Specific target organ toxicity (single exposure)

### STOT SE 1 and 2

Not expected to cause organ damage from a single exposure.

## Specific target organ toxicity (repeated exposure)

### STOT RE 1 and 2

Not expected to cause organ damage from prolonged or repeated exposure.

## Aspiration hazard

Based on the available data the classification criteria for aspiration toxicity are not met. For viscosity data, see chapter 9.

## SECTION 12: Ecological information

### 12.1 Toxicity

For the product ecotoxicological data are not available. The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see chapter 3).

#### Aquatic toxicity

Harmless to aquatic organisms up to the tested concentration

### 12.2 Persistence and degradability

#### Abiotic degradation

##### Physicochemical elimination

Poorly eliminated from water.

##### Biodegradation

Moderately/partially biodegradable.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

The substance does not fulfill the screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.

### 12.6 Other adverse effects

No information available.

### 12.7 Further ecological information

Do not allow uncontrolled discharge of product into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product/Packaging disposal

##### Waste codes/waste designations according to EWC/AVV

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

##### Waste treatment options

###### Appropriate disposal / Product

Consult the appropriate local waste disposal expert about waste disposal. Dispose according to legislation.

###### Appropriate disposal / Package

Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of.

# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)



**Trade name :** eni metalClean WLI DE, Art.-no. 0426  
**Revision date :** 01.04.2015  
**Print date :** 20.07.2015

**Version (Revision) :** 3.0.0 (2.0.0)

Dispose of waste according to applicable legislation.

### SECTION 14: Transport information

#### 14.1 UN number

No dangerous goods in sense of this transport regulation.

#### 14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

#### 14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

#### 14.4 Packing group

No dangerous goods in sense of this transport regulation.

#### 14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

#### 14.6 Special precautions for user

None

### SECTION 15: Regulatory information

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

##### National regulations

##### Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : 5 - 10 %

##### Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to VwVwS

#### 15.2 Chemical Safety Assessment

No information available.

### SECTION 16: Other information

#### 16.1 Indication of changes

02. Classification of the substance or mixture · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling (67/548/EEC or 1999/45/EC) · 03. Substances · 03. Hazardous ingredients · 07. Hints on joint storage - Storage class · 08. Occupational exposure limit values · 15. Technische Anleitung Luft (TA-Luft)

#### 16.2 Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

GHS: Globally Harmonized System on the Classification and Labelling of Chemicals

CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,

LC50: Lethal concentration, 50 percent



# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)



**Trade name :** eni metalClean WLI DE, Art.-no. 0426  
**Revision date :** 01.04.2015  
**Print date :** 20.07.2015

**Version (Revision) :** 3.0.0 (2.0.0)

---

LD50: Lethal dose, 50 percent  
EC50: Effective concentration, 50 percent  
DNEL: Derived No Effect Level  
PNEC: Predicted No Effect Concentration  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

### 16.3 Key literature references and sources for data

Sources of information used in preparing this SDS included one or more of the following: Product Dossiers and SDS from suppliers, complemented by public sources, as appropriate (GESTIS, the EU IUCLID Data Base, U.S. NTP publications, e.g.).

### 16.4 Relevant H- and EUH-phrases (Number and full text)

H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

### 16.5 Training advice

Provide adequate information, instruction and training for operators.

### 16.6 Additional information

None

---

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

---