

Safety data sheet according to 1907/2006/EC, Article 31

Version number 1

Revision: 01.06.2014

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

- 1.1 Product identifier

- Trade name: **Nanolex Wheel Cleaner and Iron Remover**

- Article number: see current price list

- 1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

- Application of the substance / the mixture *Cleaning agent / Cleaner*

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

*Nano Surface Solutions / Nanolex Car Care
Am Liedersberg 17a
66399 Mandelbachtal
Tel.: +49 681 / 98800306
Fax: +49 6803 8647*

- Informing department: *Product safety department*

- 1.4 Emergency telephone number:

*Poison Control Center, Mainz
Tel. 00 49 / 61 31 / 19 240*

* SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4 H302 Harmful if swallowed.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xi; Irritant

R36: Irritating to eyes.

Xi; Sensitising

R43: May cause sensitisation by skin contact.

- Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

- 2.2 Label elements

- Labelling according to EU guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

- Code letter and hazard designation of product:



Xi Irritant

(Contd. on page 2)

— GB —

Safety data sheet according to 1907/2006/EC, Article 31

Version number 1

Revision: 01.06.2014

Trade name: **Nanolex Wheel Cleaner and Iron Remover**

(Contd. of page 1)

- Hazard-determining components of labelling:

sodium mercaptoacetate

- Risk phrases:

36 Irritating to eyes.

43 May cause sensitisation by skin contact.

- Safety phrases:

2 Keep out of the reach of children.

24 Avoid contact with skin.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

37/39 Wear suitable gloves and eye/face protection.

46 If swallowed, seek medical advice immediately and show this container or label.

- 2.3 Other hazards**- Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures**- Description:** Mixture of the substances listed below with harmless additions**- Dangerous components:**

CAS: 367-51-1 EINECS: 206-696-4 Reg.nr.: 01-2119968564-24	sodium mercaptoacetate Xn R22; Xi R36/38; Xi R43 Acute Tox. 3, H301; Met. Corr.1, H290; Acute Tox. 4, H312; Eye Irrit. 2, H319; Skin Sens. 1, H317	10-25%
CAS: 126-92-1 EINECS: 204-812-8 Reg.nr.: 01-2119971586-23	sodium etasulfate Xi R38-41 Eye Dam. 1, H318; Skin Irrit. 2, H315	< 2.5%

- Regulation (EC) No 648/2004 on detergents / Labelling for contents

anionic surfactants, polycarboxylates, perfumes (GERANIOL, CITRAL, Hexyl cinnam-aldehyde, LINALOOL, d-Limonene), BENZISOTHIAZOLINONE, METHYLISOTHIAZOLINONE

< 5%

- Additional information For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures**- General advice:** Instantly remove any clothing soiled by the product.**- After inhalation** Supply fresh air; consult doctor in case of symptoms.**- After skin contact**

Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, seek medical advice.

- After eye contact Rinse immediately opened eye for several minutes under running water. Then consult doctor.**- After swallowing**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; instantly call for medical help.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

(Contd. on page 3)

Safety data sheet according to 1907/2006/EC, Article 31

Version number 1

Revision: 01.06.2014

Trade name *Nanolex Wheel Cleaner and Iron Remover*

(Contd. of page 2)

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

No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media

- Suitable extinguishing agents

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

- For safety reasons unsuitable extinguishing agents

Water with a full water jet.

- 5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapours

Do not inhale explosion and combustion gases.

- 5.3 Advice for firefighters

- Protective equipment:

See section 8.

Wear full protective suit with self-contained breathing apparatus.

- Additional information

Endangered containers in the surrounding area should be cooled with a water-hose.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment and keep unprotected persons away.

- 6.2 Environmental precautions:

Dilute with much water.

Do not allow to enter drainage system, surface or ground water.

If large amounts are released, the authorities must be informed.

- 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Contaminated material has to be disposed as waste (see item 13).

- 6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling

Keep containers tightly sealed.

Avoid contact with eyes and skin.

Ensure good ventilation/exhaustion at the workplace.

- Information about protection against explosions and fires: Pay attention to general rules of internal fire prevention.

- 7.2 Conditions for safe storage, including any incompatibilities

- Storage

Keep containers tightly closed. Store in cool, dry conditions.

- Requirements to be met by storerooms and containers:

Observe official regulations on storage and handling of water hazardous substances

- Information about storage in one common storage facility:

Not required.

- Further information about storage conditions:

Keep container tightly sealed.

(Contd. on page 4)

Safety data sheet according to 1907/2006/EC, Article 31

Version number 1

Revision: 01.06.2014

Trade name: **Nanolex Wheel Cleaner and Iron Remover**

(Contd. of page 3)

- 7.3 **Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.- 8.1 **Control parameters**- **Components with critical values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **Additional information:** The lists that were valid during the compilation were used as basis.- 8.2 **Exposure controls**- **Personal protective equipment**- **General protective and hygienic measures**

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Gases, fumes and aerosols should not be inhaled.

- **Breathing equipment:** Not necessary if room is well-ventilated.- **Protection of hands:**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Tightly sealed safety glasses.- **Body protection:**

Standard protective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear impenetrable protective clothing against this solvent.

* SECTION 9: Physical and chemical properties

- 9.1 **Information on basic physical and chemical properties**- **General Information**- **Appearance:**

Form: Fluid

Colour: According to product specification

- **Smell:** perfumed- **Odour threshold:** Not determined.- **pH-value at 20 °C:** 8- **Change in condition**

Melting point/Melting range: Not determined

Boiling point/Boiling range: 100 °C

(Contd. on page 5)

— GB —

Safety data sheet according to 1907/2006/EC, Article 31

Version number 1

Revision: 01.06.2014

Trade name: Nanolex Wheel Cleaner and Iron Remover

(Contd. of page 4)

- Flash point:	Product is non-flammable nor potentially explosive
- Inflammability (solid, gaseous)	Not applicable.
- Ignition temperature:	
Decomposition temperature:	Not determined.
- Self-inflammability:	Product is not selfigniting.
- Danger of explosion:	Product is not potentially explosive
- Critical values for explosion:	
Lower:	Not determined.
Upper:	Not determined.
- Vapour pressure at 20 °C:	23 hPa
- Density at 20 °C	1.128 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.
- Evaporation rate	Not determined.
- Solubility in / Miscibility with Water:	Fully miscible
- Partition coefficient (n-octanol/water):	Not determined.
- Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
- 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials:
 - strong oxidizing agents
 - Strong acids
- 10.6 Hazardous decomposition products:
 - Thermal decomposition can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity:
- Primary irritant effect:
 - on the skin: Prolonged skin contact may cause irritation.
 - on the eye: Irritant effect.
- Sensitization: Sensitization possible by skin contact.

(Contd. on page 6)

—GB—

Safety data sheet according to 1907/2006/EC, Article 31

Version number 1

Revision: 01.06.2014

Trade name: **Nanolex Wheel Cleaner and Iron Remover**

(Contd. of page 5)

- Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

SECTION 12: Ecological information

- 12.1 Toxicity

- **Aquatic toxicity:** No further relevant information available.

- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- Additional ecological information:

- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

- 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

- Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

- **Uncleaned packagings:** Disposal must be made according to official regulations.

- Recommendation:

After complete emptying and cleaning, send to be reconditioned or recycled.

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

- 14.1 UN-Number

- **ADR, IMDG, IATA**

Void

- 14.2 UN proper shipping name

- **ADR, IMDG, IATA**

Void

- 14.3 Transport hazard class(es)

- **ADR, IMDG, IATA**

- **Class**

Void

(Contd. on page 7)

— GB —

Safety data sheet according to 1907/2006/EC, Article 31

Version number 1

Revision: 01.06.2014

Trade name: **Nanolex Wheel Cleaner and Iron Remover**

(Contd. of page 6)

- 14.4 Packing group	
- ADR, IMDG, IATA	Void
- 14.5 Environmental hazards:	
- Marine pollutant:	No
- 14.6 Special precautions for user	Not applicable.
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
- Transport/Additional information:	Not dangerous according to the above specifications.
- UN "Model Regulation":	-

SECTION 15: Regulatory information

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

- National regulations

- Information about limitation of use: Employment restrictions concerning young persons must be observed.

- Technical instructions (air):

Class	Share in %
NK	< 2,5

- Water hazard class:

Water hazard class 1 (self assessment according to German VwVwS (Regulations for water-hazardous substances): slightly hazardous for water.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

* SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases

Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

H290 May be corrosive to metals.

H301 Toxic if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

R22 Harmful if swallowed.

R36/38 Irritating to eyes and skin.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

- Department issuing data specification sheet: see item 1: Informing department

- Abbreviations and acronyms:

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

(Contd. on page 8)

— GB —

Safety data sheet
according to 1907/2006/EC, Article 31

Version number 1

Revision: 01.06.2014

Trade name: Nanolex Wheel Cleaner and Iron Remover

(Contd. of page 7)

*ICAO: International Civil Aviation Organization**LEV: Local Exhaust Ventilation**RPE: Respiratory Protective Equipment**RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)**ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)**IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**GHS: Globally Harmonized System of Classification and Labelling of Chemicals**CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**Met. Corr.1: Corrosive to metals, Hazard Category 1**Acute Tox. 3: Acute toxicity, Hazard Category 3**Acute Tox. 4: Acute toxicity, Hazard Category 4**Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2**Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1**Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2**Skin Sens. 1: Sensitisation - Skin, Hazard Category 1***- * Data compared to the previous version altered.**

GB
