

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.07.2017

Version number 12

Revision: 02.02.2015

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

- **1.1 Product identifier**
- **Trade name:** WHEEL CLEANER HD

- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **Application of the substance / the mixture**
Cleaning material/ Detergent
Strong acid cleaner for wheels in Truckwash and Carwash and cleaner for metal treatment in Industry
- **Uses advised against**
Alle applications that differ from the mentioned application in "application of the mixture", are advised against or have to be discussed with the supplier / producer
Glass Cleaner
Window cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
TECHNIQUA HANDELS GmbH
Reichenhaller Straße 15
D-83451 Piding
Tel: +49 (8651) - 767 62 51
E-Mail: sales@techniqua.de
- **1.4 Emergency telephone number:** Poison information center
Tel: +49 (0) 6131 - 19240, Langenbeckstraße 1, D- 55131 Mainz

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

STOT SE 3 H335 May cause respiratory irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05



GHS07

- **Signal word** Danger
- **Hazard-determining components of labelling:**
hydrogen chloride
ammonium hydrogendifluoride
Isotridecanol, ethoxylated (>5-20 EO)
ammonium fluoride

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- **Hazard statements**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

- **Precautionary statements**

P260 Do not breathe dusts or mists.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**

- **Description:**

Cleansing agent

Mixture consisting of the following components.

- **Dangerous components:**

CAS: 7647-01-0 EINECS: 231-595-7	hydrogen chloride Met. Corr. 1, H290; Skin Corr. 1A, H314; STOT SE 3, H335	25-<50%
CAS: 1341-49-7 EINECS: 215-676-4	ammonium hydrogendifluoride Acute Tox. 3, H301; Skin Corr. 1B, H314	2.5-<10%
CAS: 69011-36-5	Isotridecanol, ethoxylated (>5-20 EO) Eye Dam. 1, H318; Acute Tox. 4, H302	2.5-<10%
CAS: 7697-37-2 EINECS: 231-714-2	nitric acid Ox. Liq. 2, H272; Skin Corr. 1A, H314	< 2.0%
CAS: 12125-01-8 EINECS: 235-185-9	ammonium fluoride Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331	< 2.0%

- **Ingredients conform 89/542/EG**

non-ionic surfactants

<5%

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

SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information**

Take affected persons into the open air.

Instantly remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation** In case of unconsciousness bring patient into stable side position for transport.

- **After skin contact**

Instantly wash with water and soap and rinse thoroughly.

Instantly rinse with water.

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

- **After swallowing**

Instantly call for doctor.

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*Drink copious amounts of water and provide fresh air. Instantly call for doctor.***· 4.2 Most important symptoms and effects, both acute and delayed***Breathing difficulty**Headache**Dazed**Coughing***· 4.3 Indication of any immediate medical attention and special treatment needed***No further relevant information available.*

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SECTION 5: Firefighting measures**· 5.1 Extinguishing media***· Suitable extinguishing agents Water***· 5.2 Special hazards arising from the substance or mixture***Formation of poisonous gases during heating or in fires.***· 5.3 Advice for firefighters***· Protective equipment: Put on breathing apparatus.*

*

SECTION 6: Accidental release measures**· 6.1 Personal precautions, protective equipment and emergency procedures***Particular danger of slipping on leaked/spilled product.**Ensure adequate ventilation**Put on breathing apparatus.**Wear protective equipment. Keep unprotected persons away.***· 6.2 Environmental precautions: Do not allow to enter drainage system, surface or ground water.****· 6.3 Methods and material for containment and cleaning up:***Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).**Use neutralising agent.**Dispose of contaminated material as waste according to item 13.**Ensure adequate ventilation.***· 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***Work only in fume cupboard.**When diluting, always stir the product into standing water.**Ensure good ventilation/exhaustion at the workplace.**Prevent formation of aerosols.***· Information about protection against explosions and fires:***The product is not flammable**Keep breathing equipment ready.***· 7.2 Conditions for safe storage, including any incompatibilities****· Storage***· Requirements to be met by storerooms and containers: Store only in the original container.**· Information about storage in one common storage facility: Not required.***· Further information about storage conditions:***Store in a locked cabinet or with access restricted to technical experts or their assistants.**Protect from frost.**Store container in fume cupboard.**Store in a locked cabinet and out of the reach of children.*

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Keep container tightly sealed.

· **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 limit values that require monitoring at the workplace:****7647-01-0 hydrogen chloride (10-<25%)**WEL Short-term value: 8 mg/m³, 5 ppmLong-term value: 2 mg/m³, 1 ppm· **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 foodstuffs, beverages and food.

Take off immediately all contaminated clothing

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

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

Not necessary if room is well-ventilated.

Only during spraying without adequate removal by suction.

Use breathing protection only when aerosol or mist is formed.

Use a breathing protection if high concentrations are present.

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

· **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**

Nitrile rubber, NBR

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**

> 0,5 mm. / 240 min.

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.

SECTION 9: Physical and chemical properties

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

Fluid

Colour:

Colourless

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

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· pH-value at 20 °C:	1
· Change in condition	
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	85 °C
· Flash point:	> 65 °C
· Inflammability (solid, gaseous)	Not applicable.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive.
· Critical values for explosion:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure at 20 °C:	23 hPa
· Density at 20 °C	1.09 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** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
When diluting, always add acid to water, never vice versa
Corrosive action on metals
- **10.4 Conditions to avoid** Avoid creating mist or damp in rooms where no ventilation is present
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

* SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
Harmful if swallowed.

· LD/LC50 values that are relevant for classification:		
1341-49-7 ammonium hydrogendifluoride		
Oral	LD50	130 mg/kg (rat)

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7647-01-0 hydrogen chloride

Oral	LD50	900 mg/kg (rabbits) 700 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbits)
Inhalative	LC50/4 h	1.68 mg/l (rat) (1 hour)

69011-36-5 Isotridecanol, ethoxylated (>5-20 EO)

Oral	LD50	>300-2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbits)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause respiratory irritation.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information· **12.1 Toxicity**· **Aquatic toxicity:****1341-49-7 ammonium hydrogendifluoride**

EC50/48h	97 mg/l (daphnia)
EC50/96h	43 mg/l (<i>Scenedesmus subspicatus</i>)
LC0/96h	237-316 mg/l (<i>Brachydanio rerio</i>)
LC50/96h	237-562 mg/l (<i>Brachydanio rerio</i>)
	51 mg/l (<i>Salmo gairdneri</i>)

7647-01-0 hydrogen chloride

LC50/48h	862 mg/l (fish)
LC50/96h	282 mg/l (fish)

69011-36-5 Isotridecanol, ethoxylated (>5-20 EO)

EC50/48h	1-10 mg/l (daphnia)
EC50/72h	1-10 mg/l (<i>Scenedesmus subspicatus</i>)
LC50/96h	1-10 mg/l (fish)

- **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 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Danger to drinking water if even small quantities leak into soil.

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Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

· **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**

· **Recommendation**

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

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN-Number**

-

· **ADR, IMDG, IATA**

UN3264

· **14.2 UN proper shipping name**

· **ADR**

3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (AMMONIUM HYDROGENDIFLUORIDE, HYDROCHLORIC ACID)

· **IMDG**

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (AMMONIUM HYDROGENDIFLUORIDE, HYDROCHLORIC ACID)

· **IATA**

Corrosive liquid, acidic, inorganic, n.o.s. (Ammonium hydrogendifluoride, Hydrochloric acid)

· **14.3 Transport hazard class(es)**

· **ADR**



· **Class**

8 (C1) Corrosive substances.

· **Label**

8

· **IMDG, IATA**



· **Class**

8 Corrosive substances.

· **Label**

8

· **14.4 Packing group**

-

· **ADR, IMDG, IATA**

II

· **14.5 Environmental hazards:**

· **Marine pollutant:**

No

· **14.6 Special precautions for user**

Warning: Corrosive substances.

· **Kemler Number:**

80

· **EMS Number:**

F-A,S-B

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· Segregation groups	Acids
· Stowage Category	B
· Stowage Code	SW2 Clear of living quarters.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	NOT SUBJECT TO ADR
· Transport category	2
· Tunnel restriction code	E
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (AMMONIUM HYDROGENDIFLUORIDE, HYDROCHLORIC ACID), 8, II

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **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**
H272 May intensify fire; oxidiser.
H290 May be corrosive to metals.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
- **Abbreviations and acronyms:**
Ox. Liq. 2: Oxidizing liquids – Category 2
Met. Corr. 1: Corrosive to metals – Category 1
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- *** Data compared to the previous version altered.**