SAFETY DATA SHEET of:

Wall Cleaner 1

Revision date: Friday, November 7, 2014

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

1.1 Product identifier:

Wall Cleaner 1

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

/

Concentration in use: /

1.3 Details of the supplier of the safety data sheet:

BOMA

Noorderlaan 131

B2030 Antwerpen

Phone: 003232313389 — Fax: 003232028499

E-mail: info@boma.eu — Website: http://www.boma.eu/

1.4 Emergency telephone number:

003270245245

2 SECTION 2: Hazards identification:

2.1 Classification of the substance or mixture:

Classification of the substance or mixture in accordance with regulation (EU) 1272/2008:

H290 Met. Corr. 1 **H314 Skin Corr. 1B**

Classification of the substance or mixture in accordance with regulation 67/548/EC:

R22: Harmful **R35:** Corrosive

2.2 Label elements:

Symbols:



Signal word:

Danger

Hazard statements:

H290 Met. Corr. 1:	May be corrosive to metals.
H314 Skin Corr. 1B:	Causes severe skin burns and eye damage.

Precautionary statements:

P234:	Keep only in original container.
P280:	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331:	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353:	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340:	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contains:

Hydrochloric acid Ammoniumhydrogene difluoride

2.3 Other hazards:

none

3 SECTION 3: Composition/information on ingredients:

Hydrochloric acid	15% - 30%	CAS number:	7647-01-0
		EINECS:	231-595-7
		REACH Registration number:	01-2119484862-27
		CLP Classification:	**H290 Met. Corr. 1** **H314 Skin Corr. 1B** **H335 STOT SE 3**
		R-Phrases:	**R34 R37**
Ammoniumhydrogene difluoride	< 5%	CAS number:	1341-49-7
		EINECS:	215-676-4
		REACH Registration number:	01-2119489180-38
		CLP Classification:	**H301 Acute tox. 3** **H314 Skin Corr. 1B**
		R-Phrases:	**R25 R34**

For the full text of the H & R phrases mentioned in this section, see section 16.

4 SECTION 4: First aid measures:

4.1 Description of first aid measures:

Always ask medical advice as soon as possible should serious or continuous disturbances occur.

Skin contact:	rinse with plenty of water and immediately transport to hospital. Treat as burns.
Eye contact:	first prolonged rinsing with water (contact lenses to be removed if this is easily done) then take to physician.
Ingestion:	rinse mouth, do not induce vomiting, take to hospital immediately.

Inhalation:	let sit upright, fresh air, rest and take to hospital.

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

Skin contact:	caustic, redness, pain, serious burns
Eye contact:	caustic, redness, bad looking, pain
Ingestion:	caustic, lack of breath, vomiting, blisters on lips and tongue, burning pain in mouth and throat, gullet and stomach
Inhalation:	headache, dizziness, nausea, drowsiness, unconsciousness

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

if possible, treat burns with calcium gluconate gel 10%.

5 SECTION 5: Fire-fighting measures:

5.1 Extinguishing media:

CO2, foam, powder, sprayed water

5.2 Special hazards arising from the substance or mixture:

none

5.3 Advice for fire-fighters:

Extinguishing agents to be avoided:	none

6 SECTION 6: Accidental release measures:

6.1 Personal precautions, protective equipment and emergency procedures:

Do not walk into or touch spilled substances and avoid inhalation of fumes, smoke, dusts and vapours by staying up windRemove any contaminated clothing and used contaminated protective equipment and dispose of it safely.

6.2 Environmental precautions:

do not allow to flow into sewers or open water.

6.3 Methods and material for containment and cleaning up:

remove by using absorbent material.

6.4 Reference to other sections:

for further information check sections 8 & 13.

7 SECTION 7: Handling and storage:

7.1 Precautions for safe handling:

handle with care to avoid spillage.

7.2 Conditions for safe storage, including any incompatibilities:

keep in a sealed container in a closed, frost-free, ventilated room.

7.3 Specific end use(s):

/

8 SECTION 8: Exposure controls/personal protection:

8.1 Control parameters:

Listing of the hazardous ingredients in section 3, of which the TLV value is known

Hydrochloric acid 8 mg/m³

8.2 Exposure controls:

Inhalation protection:	use with sufficient exhaust ventilation. If necessary, use an air-purifying face mask in case of respiratory hazards. Use the ABEK type as protection against these troublesome levels.	
Skin protection:	handling with Viton-gloves (EN 374). Breakthrough time: >480' Material thickness: 0,7 mm. Thoroughly check gloves before use. Take of the gloves properly without touching the outside with your bare hands. The manufacturer of the protective gloves has to be consulted about the suitability for a specific work station. Wash and dry your hands.	
Eye protection:	keep an eye-rinse bottle within reach. Tight-fitting safety goggles. Wear a face shield and protective suit in case of exceptional processing problems.	
Other protection:	impermeable clothing. The type of protective equipment depends on the concentration and amount of hazardous substances at the work station in question.	

9 SECTION 9: Physical and chemical properties:

9.1 Information on basic physical and chemical properties:

Melting point/melting range:	0 °C
Boiling point/Boiling range:	100 °C
pH:	1.2
pH 1% diluted in water:	/
Vapour pressure/20°C,:	/
Vapour density:	not applicable
Relative density, 20°C:	1.127 kg/l
Appearance/20°C:	liquid
Flash point:	/
Flammability (solid, gas):	not applicable
Auto-ignition temperature:	/
Upper flammability or explosive limit, (Vol %):	/
Lower flammability or explosive limit, (Vol %):	/
Explosive properties:	not applicable
Oxidising properties:	not applicable
Decomposition temperature:	/
Solubility in water:	completely soluble

Partition coefficient: n-octanol/water:	not applicable
Odour:	characteristic
Odour threshold:	not applicable
Dynamic viscosity, 20°C:	1 mPa.s
Kinematic viscosity, 20°C:	1 mm²/s
Evaporation rate (n-BuAc = 1):	0.300

9.2 Other information:

Volatile organic component (VOC):	/
Volatile organic component (VOC):	0.000 g/l

10 SECTION 10: Stability and reactivity:

10.1 Reactivity:

stable under normal conditions.

10.2 Chemical stability:

extremely high or low temperatures.

10.3 Possibility of hazardous reactions:

none

10.4 Conditions to avoid:

protect from sunlight and do not expose to temperatures exceeding + 50°C.

10.5 Incompatible materials:

acids, alkalines, oxidants, reductants

10.6 Hazardous decomposition products:

doesn't decompose with normal use

11 SECTION 11: Toxicological information:

11.1 Information on toxicological effects:

About the preparation itself:	No data available
General information:	See ingredients under section 3
Calculated acute toxicity, LD50 oral rat:	/
Calculated acute toxicity, LD50 dermal rat:	/

12 SECTION 12: Ecological information:

12.1 Toxicity:

No data available

12.2 Persistence and degradability:

No data available

12.3 Bioaccumulative potential:

No data available

12.4 Mobility in soil:

Water hazard class, WGK: 1

Solubility in water: completely soluble

12.5 Results of PBT and vPvB assessment:

No data available

12.6 Other adverse effects:

No data available

13 SECTION 13: Disposal considerations:

13.1 Waste treatment methods:

Draining into the sewers is not permitted. Removal should be carried out by licensed services. Possible restrictive regulations by local authority should always be adhered to.

14 SECTION 14: Transport information:

14.1 UN number:

3264

14.2 UN proper shipping name:

UN 3264 Corrosive liquid, acidic, inorganic, n.o.s. (mixture with Hydrochloric acid; Ammoniumhydrogene difluoride) , 8, II, (E)

14.3 Transport hazard class(es):

Class(es): 8

Identification number of the hazard: 80

14.4 Packing group:

II

14.5 Environmental hazards:

not dangerous to the environment

14.6 Special precautions for user:

Hazard characteristics: Risk of burns. Risk to the aquatic environment and the sewerage system.

Additional guidance: Prevent leaking substances from running into the aquatic environment or the sewage system.



15 SECTION 15: Regulatory information:

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

Water hazard class, WGK: 1

Volatile organic component (VOC): /

Volatile organic component (VOC): 0.000 g/l

Composition by regulation (EC) 648/2004: none

15.2 Chemical Safety Assessment:

No data available

16 SECTION 16: Other information:

Legend to abbreviations used in the safety data sheet:

Nr.: number

CAS: Chemical Abstracts Service

EINECS: European INventory of Existing Commercial chemical Substances

WGK: Water hazard class

WGK 1: slightly hazardous for water

WGK 2: hazardous for water

WGK3: extremely hazardous for water

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route

TLV: Threshold Limit Value

PTB: persistent, toxic, bioaccumulative

vPvB: very persistent and very bioaccumulative substances

CLP: Classification, Labelling and Packaging of chemicals

DPD: Dangerous Preparations Directive

Legend to the R & H Phrases used in the safety data sheet:

R22: Harmful if swallowed. **R25:** Toxic if swallowed. **R34:** Causes burns. **R35:** Causes severe burns. **R37:** Irritating to respiratory system.

H290 Met. Corr. 1: May be corrosive to metals. **H301 Acute tox. 3:** Toxic if swallowed. **H314 Skin Corr. 1B:** Causes severe skin burns and eye damage. **H335 STOT SE 3:** May cause respiratory irritation.

Reason of revision, changes of following items:

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This safety information sheet has been compiled in accordance with annex II/A of the regulation (EU) No 453/2010. Classification has been calculated in accordance with the European directive 67/548/EWG, 1999/45/EC and regulation 1272/2008 with their respective amendments. It has been compiled with the utmost care. We cannot, however, accept responsibility for damage, of any kind, that may be caused by using these data or the product concerned.To use this preparation for an experiment or a new application, the user must carry out a material suitability and safety study himself.