

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.03.2014 Version number 1 Revision: 25.03.2014

### 1. Product Identifier

- **Product identifier**
- **Trade name: Praxi Polish Plus / 400ml**
- **Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

- **Application of the substance / the preparation:**

Maintenance product

Cleaning material / Detergent

- **Details of the supplier of the safety data sheet**

#### **Manufacturer/Supplier:**

Häger Worldwide, Inc

441 19<sup>th</sup> St SE

Hickory, NC 28602

Tel.: (800) 328-2335

Fax.: (800) 573-9392

- **Further information obtainable from: Häger Worldwide, Inc**

- **Emergency telephone number: (800) 328-2335**

### 2. Hazards identification

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



GHS02 flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

- **Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms** GHS02

- **Signal word** Danger

- **Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

- **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P251 Pressurized container: Do not pierce or burn, even after use.

P211 Do not spray on an open flame or other ignition source.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

- **Additional information:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Buildup of explosive mixtures possible without sufficient ventilation.

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

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vPvB: Not applicable.



### 3. Composition/information on ingredients



#### Chemical characterization: Mixtures




· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 64742-47-8
EINECS: 265-149-8
Distillates (petroleum), hydrotreated light
 Flam. Liq. 3, H226;  Asp. Tox. 1, H304
10-25%

CAS: 106-97-8
EINECS: 203-448-7
butane
 Flam. Gas 1, H220;  Press. Gas, H280
2.5-10%
Wirkstoff
H229
2.5-10%

CAS: 74-98-6
EINECS: 200-827-9
propane
 Flam. Gas 1, H220;  Press. Gas, H280
2.5-10%

CAS: 63449-41-2
EINECS: 264-151-6
quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides
 Skin Corr. 1B, H314;  Aquatic Acute 1, H400;  Acute Tox. 4, H302; Acute Tox. 4, H312
0.1-<1%

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

containing > 30% of aliphatic hydrocarbons, < 5% of cationic surfactants, < 5% nonionic surfactant, perfume

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### **4. First aid measures**

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

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### **5. Firefighting measures**

#### **Extinguishing media**

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### **6. Accidental release measures**

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

Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **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 disposal information.

### **7. Handling and storage**

#### **Handling:**

- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.
- **Information about fire - and explosion protection:**  
Do not spray onto a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.
- **Conditions for safe storage, including any incompatibilities**

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### Storage:

· **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Keep container tightly sealed.

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

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

## 8. Exposure controls/personal protection

**Additional information about design of technical facilities:** No further data; see item 7.

· **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**106-97-8 butane**

WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm

Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm

Carc (if more than 0.1% of buta-1.3-diene)

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:**



Protective gloves

· **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.

· **For the permanent contact gloves made of the following materials are suitable:**

Butyl / Viton, Layer thickness: 0.6 mm, Breakthrough time: > 480 min.

· **Eye protection:**

Tightly sealed goggles

## 9. Physical and chemical properties

**Information on basic physical and chemical properties**

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### General Information

· **Appearance:**

**Form:** Aerosol

**Colour:** Whitish

· **Odour:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value at 20 °C:** 7.5

· **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** -44 °C

· **Flash point:** ~ - 80 °C (closed cup)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 210 °C

· **Decomposition temperature:** Not determined.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

**Lower:** 0.5 Vol %

**Upper:** 6.5 Vol %

· **Vapour pressure at 20 °C:** ~ 2100 hPa

· **Density at 20 °C:** 0.972 g/cm<sup>3</sup>

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not applicable.

· **Solubility in / Miscibility with**

**water:** Fully miscible.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

**Dynamic:** Not determined.

**Kinematic:** Not determined.

· **Solvent content:**

**Organic solvents:** 24.82 %

**Water:** 59.71 %

**VOC (EC)** 24.82 %

· **Other information** No further relevant information available.

### 10. Stability and reactivity

· **Reactivity**

· **Chemical stability**

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known.

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:** No dangerous decomposition products known.

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### 11. Toxicological information

#### Information on toxicological effects

- **Acute toxicity:**
- **Primary irritant effect:**
  - **on the skin:** No irritant effect.
  - **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

### 12. Ecological information

#### Toxicity

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **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 course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13. Disposal considerations

- **Waste treatment methods**
- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue**

07 06 04\* other organic solvents, washing liquids and mother liquors  
15 01 04 metallic packaging
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 14. Transport information

- |  |
|--|
| <ul style="list-style-type: none"><li>· <b>UN-Number</b></li><li>· <b>ADR, IMDG, IATA UN1950</b></li></ul> |
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### UN proper shipping name

- ADR 1950 AEROSOLS
- IMDG AEROSOLS
- IATA AEROSOLS, flammable

### Transport hazard class(es)

- ADR



- Class 2 5F Gases.
- Label 2.1

### IMDG, IATA



- Class 2.1
- Label 2.1

### Packing group

- ADR, IMDG, IATA Void

### Environmental hazards:

- Marine pollutant: No

### Special precautions for user Warning: Gases.

- Danger code (Kemler): -
- EMS Number: F-D,S-U

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

### Transport/Additional information:

- ADR
- Limited quantities (LQ) 1L
- Transport category 2
- Tunnel restriction code D

UN "Model Regulation": UN1950, AEROSOLS, 2.1

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### **15. Regulatory information**

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

No further relevant information available.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### **16. Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · **Relevant phrases**

H220 Extremely flammable gas.

H226 Flammable liquid and vapour.

H229 Pressurised container: May burst if heated.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

#### · **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)

ICAO: International Civil Aviation Organization

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

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)

VOC: Volatile Organic Compounds (USA, EU)

Flam. Gas 1: Flammable gases, Hazard Category 1

Flam. Aerosol 1: Flammable aerosols, Hazard Category 1

: Flammable aerosols, Hazard Category 3

Press. Gas: Gases under pressure: Compressed gas

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1

GB