

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 11/02/2010

Version No. 1

Reviewed on 11/02/2010

1 Identification of substance

· Product details

· Trade name: Pallmann Hardwood Floor Cleaner Concentrate (USA)

· Application of the substance / the preparation Hardwood Floor Cleaner Concentrate

· Manufacturer/Supplier:

Manufacturer:

RZ Chemie GmbH Reinigungs- und Pflegesysteme

Industriepark Kottenforst

Mühlgrabenstrasse 13

53340 Meckenheim

Tel.: +49 (0)2225 9446 - 0

Fax: +49 (0)2225 2073

Supplier:

UFLOOR Systems Inc.

14705 E. 33rd Place Unit D

Aurora, CO 80011

Phone: +720-374-4810

Toll-Free: +1 866-505-4810

Fax: +1 720-374-2113

email: info@ufloorsystems.com

· Information department:

Product development department

USA: info@ufloorsystems.com

Germany: email: info@rz-systeme.de

· Emergency information:

For Chemical Emergency Spill Leak Fire Exposure or Accident

Call CHEMTREC Day or Night: DOMESTIC NORTH AMERICA 800-424-9300

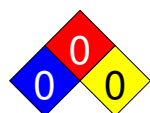
International, call +49 621 60 43 333

2 Hazards identification

· Information pertaining to particular dangers for man and environment:

The product does not have to be labelled due to the calculation procedure of international guidelines.

· NFPA ratings (scale 0 - 4)



Health = 0

Fire = 0

Reactivity = 0

· HMIS-ratings (scale 0 - 4)



HEALTH 0 Health = 0

FIRE 0 Fire = 0

REACTIVITY 0 Reactivity = 0

3 Composition/Data on components

· Chemical characterization

· Description: Water-based detergent

· Dangerous components:

8008-57-9

Orange Oil

< 0.1%

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4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; immediately call for medical help.

5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂ extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective clothing.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Keep away from foodstuffs, beverages and feed.
Avoid contact with the eyes and skin.
Wash hands before breaks and at the end of work.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Store under lock and key and out of the reach of children.
Protect from frost.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit 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.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Avoid contact with the eyes and skin.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not necessary. Ensure that room is well-ventilated during processing.

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· **Protection of hands:**



PVC or PE gloves

· **Material of gloves** PVC or PE gloves

· **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 goggles

9 Physical and chemical properties

· **General Information**

Form:	Fluid
Color:	Clear
Odor:	Perfumed

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 100°C (212°F)

· **Flash point:** >100°C (>212°F)

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapor pressure:** Not determined.

· **Density at 20°C (68°F):** 1.00 g/cm³

· **Solubility in / Miscibility with**

Water: Fully miscible.

· **pH-value at 20°C (68°F):** 6.8 - 7.1

10 Stability and reactivity

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

· **Materials to be avoided:**

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **Specific symptoms in biological assay:**

· **Primary route(s) of entry:** Inhalation, skin contact, eye contact, ingestion.

· **Primary irritant effect:**

· **on the skin:** Slightly irritant effect may occur.

· **on the eye:** Slight irritant effect possible.

· **Sensitization:** Sensitizing effect by skin contact is possible with prolonged exposure.

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· Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

May cause gastrointestinal irritation if swallowed. Do not induce vomiting. Drink 1 or 2 glasses of water to dilute.

12 Ecological information

· Additional ecological information:

· General notes: Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

· Product:

· Recommendation:

Do not allow product to reach sewage system.

Disposal should be in accordance with local, state or national legislation.

· Uncleaned packagings:

· Recommendation:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

14 Transport information

· DOT regulations:

· Hazard class: -

· Maritime transport IMDG:

· IMDG Class: -

· Marine pollutant: No

· Air transport ICAO-TI and IATA-DGR:

· ICAO/IATA Class: -

· Transport/Additional information:

Not regulated as hazardous material according to the above specifications.

15 Regulations

· SARA (Superfund Amendments and Reauthorization Act)

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65 (California)

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

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· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Product related hazard informations:**

Although this product is not subject to the labelling requirements, following safety advices are recommended when handling detergents:

Keep out of the reach of children and use product t in a well-ventilated place.

Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical advice immediately and show this container or label.

Observe the general safety regulations when handling chemicals.

The product is not subject to regulations on classification, packaging and labeling according to EC-directives on hazardous materials.

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.

· **Contact:**

USA: Mike Hodges, phone +1 720-374-4810

Germany: Mr Mommertz, Tel.: +49 (0)2225 9446 - 38

USA