



Duplex Cleaning Machines (UK) Ltd.
Unit 27 Joseph Wilson Ind. Est,
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Fax: +44 (0)1227 770220
info@duplex-cleaning.com
www.duplex-cleaning.com



1. Identification of the substance/preparation

Use of the preparation: Maintenance Cleaner

Producer Supplier:

Duplex Cleaning Machines (UK) Ltd

01227 771276

info@duplex-cleaning.com

www.duplex-cleaning.com

2. Possible risks :

Preparation is *not classified as hazardous*, according to directive 1999/45/EC

Declaration of danger: none

Symbol of danger: none

Special risks for humans and environment: none

3. Composition / Details of components:

Chemical characteristic: Floor Cleaner in aqueous solution
contains odoriferous substances

Preparation of the substances mentioned below:

Hazardous substances:	Quantity (%)	Symbol:	Risk-phrases:
Tetrakaliumpyrophosphat	<5	Xi	36
EC-Nr.: 230-785-7, CAS-Nr.: 7320-34-5			

Details of R-phrases see paragraph 16.

4. First aid measures:

General advice:

Avoid contact with skin, eyes, clothing. Take off immediately all contaminated clothing. In case of accident or if you feel unwell seek medical advice and show package, label and/or MSDS

-in case of inhalation:

Ensure supply of fresh air. Keep person calm. Seek medical advice.

-in case of contact with skin:

Wash off immediately with much water and soap. If skin irritation persists, seek medical advice.

-in case of contact with eyes:

Rinse open eyelid immediately and thoroughly with plenty of water for at least 15 minutes, seek advice of an ophthalmologist.

-if swallowed:

Rinse mouth immediately and give plenty of water to drink. Avoid vomiting. Seek medical advice.

Information for physician:

symptomatic treatment (decontamination, vital functions)

5. Fire-fighting measures

Suitable extinguishing media:

Spray water, foam, extinguishing , carbonic acid

Special risk of the product itself or the preparation, its combustion products or arising gases:

Product itself is non-combustible, fire extinguishing method of surrounding areas must be considered.

Special protective equipment for fire-fighting:

Stay in danger area only with surrounding-independent respiratory equipment.

Wear suitable protective clothing and keep safety distance, in order to avoid contact with skin.

Additional information:

Contaminated extinguishing water: disposal in accordance with local regulations.

6. Accidental release measures

Personal precautions:



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- Ensure supply of fresh air in closed rooms.
- Avoid contact with skin, eyes, and inhalation.
- Observe protective measures mentioned in paragraphs 7 and 8.

Environmental precautions:

- Prevent spread of product or of bigger quantities of contaminated wash water over a wide area in water and soil.
- Product should not reach the sewerage system.

Methods for cleaning/taking up:

- For bigger quantities: pump out the product.
- Remainders: Take up with absorbent material. Dispose of absorbed material in accordance with local regulations.

7. Handling and storage

Handling:

- Advice on safe handling: No special measures necessary if used and stored correctly.
- Storage and work only in well ventilated areas.
- Observe general regulations for the use of chemicals: Avoid contact with eyes, skin and clothing. When using do not eat, drink or smoke.

Advice for fire and explosion prevention:

- No special measures necessary. The product itself is non-combustible and not explosive.

Storage: Requirements for storage rooms and containers:

- Storage only in closed original containers.
- Chemical-resistant material (i.e. floor) necessary.

-Special advice for storage:

- Storage at room temperature (+5 - +35°C)
- Store cool and protect from frost.

8. Exposure controls / personal protection:

Limit values to be observed in working areas and/or biological limits

Working area limit values in the air (TRGS 900):

none

Biological Limit Values (TRGS 903)

none

Limiting and control of exposure:

Technical measures and the application of suitable working methods as mentioned in paragraph 7 to be preferred to the use of personal protection equipment.

Personal protection equipment

Protective and hygiene measures

- When using do not smoke.
- Use only in well ventilated areas.

Respiratory measures

- In case working area limit values are exceeded (Germany = **AGW**, Switzerland/Austria = **MAK**)
- Particle filter with medium capture capacity for solid and liquid particles. (for example EN 143 or 149, type P2 or FFP2)

Hand protection

- Chemical-resistant protective gloves (EN 374), also in case of prolonged direct contact: for example nitrile rubber (0.4 mm), butyl rubber (0.7 mm)

Eye protection

- Tightly fitting protective goggles with lateral protection (spectacle frame), (for ex. EN 166)

Body protection

- Choose body protection in dependence of activity and possible effect, i.e. apron, protective boots, chemical protective suit (EN 14605 for splashes or EN 13982 for dust)



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9. Physical and chemical properties

General information:

Form: liquid, clear

Colour: light

Smell:

Specifications on safety and environmental protection

Flash point: non-combustible

Ignition temperature: not determ.

Explosion risk: none

Lower explosion limit:

Upper explosion limit:

Vapour pressure (20°C) not determ.

Boiling point / boiling range 100°C

Density: approx. 1.03 g/cm³

Solubility in water: completely miscible

Viscosity (20°C) not determ.

pH-value approx. 10,8 (concentrate), approx. 8,5 (ready for use solution)

10. Stability and reactivity

Conditions to be avoided

None, if safety/handling and storage instructions are observed.

Substances to be avoided

Contact with acids causes violent reaction.

Hazardous decomposition products:

None

11. Toxicological information

General information

The product/preparation has not been examined. The statements re: ecotoxicology have been derived from products of similar structure/composition.

Toxicological tests:

No data available.

Practical experience:

The non diluted solution is possibly corrosive to skin and mucous membranes.

12. Ecological information:

Based on the raw material contained in the preparation and/or structurally comparable substances, the following ecological data have been estimated.

Ecotoxicology

Water hazard classification 1 (self assessment VwVwS/DE): slightly hazardous to water. (lowest classification)

Fish toxicology / aquatic invertebrates / aquatic plants. No data available.

Persistence and degradability

Bioaccumulation potential

Result of the determination of PBT-properties

Other hazardous effects

No data available



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13. Disposal considerations

Substance / preparation

Disposal: appropriate special treatment in accordance with local regulations.

Recommendation

Exact waste key number to be fixed with disposer.

Packaging

Uncleaned packaging:

Packaging that cannot be cleaned should be disposed of as for product.

14. Transport information

Land transportation ADR/RID/GGVS

No hazardous goods

UN-number:

Description of goods:

Class:

(Hazard label number)

Packaging Group

Remarks

Inland waterways - / maritime transportation

No hazardous goods

ADN

UN-number:

Description of goods:

ADN/ADNR-

Hazard label number

Packaging Group:

Remarks:

IMDG

UN-number

Proper shipping name

IMDG-Code

Class and sub risks

Packing group

Marine Pollutant: Yes / No

Air transportation

ICAO / IATA

15. Regulatory information

Chemical Safety Assessment

Safety assessments for the substances contained in this preparation have not been carried out.

Marking according to EC-regulations

Code letter and risk declaration of the product

Symbol of danger: none

Description of danger: none

Danger determining components for labelling

Risk-phrases: None

Safety-phrases:

S2: Keep out of the reach of children.

National regulations:

Water hazard classification: Water hazard class 1, slightly hazardous to water
(WGK) DE

Classification according to VbF: none

Employment restrictions hazardous substances: Youth occupational protection regulations
Maternity protection regulations

Declaration according to wash and cleaning agents regulations: UBA-Nr. 1712 0036



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16. Other information

Wording of the risk phrases of paragraph 2/3:

R36: Irritating to eyes and skin.

The declarations mentioned before are based on our present standard of knowledge and comply to legislation. The information provided in this material safety data sheet describes the safety requirements of our product and does not represent a guarantee of special properties of the product. Existing laws and regulations have to be observed by the user of the products.