

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Issued date 25 Aug 2008

Product / Trade Name: easyDEGHOST

1. Identification of the substance/preparation and of the company/undertaking

- **Product / Trade name:** easyDEGHOST
- **Product Code:** easyDEGHOST
- **Application of the substance:** Alkaline Cleaning Paste
- **Supplier:**
Printcolor Asia Company Limited
Room 1630, Corporation Park,
11 On Lai Street, Shatin
Hong Kong
Tel: 852 26868810
Fax: 852 26869006
- **Further information obtainable from:** Printcolor Asia Company Limited
- **Information in case of emergency:** Printcolor Asia Company Limited

2. Hazards identification

- **Hazard description:** C Corrosive
- **Information concerning particular hazards for human and environment:** The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 22 Harmful if swallowed.
R 35 Causes severe burns.
- **Classification system:** The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **GHS label elements:**
Corrosion Danger
3.2/1A - Causes severe skin burns and eye damage.
Exclamation mark Warning
3.1/4 - Harmful if swallowed.
Warning
- 2.6/4 - Combustible liquid.
- **Prevention:**
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.
- **Response:**
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated

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clothing. Rinse skin with water/shower.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

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

Immediately call a POISON CENTER or doctor/physician.

Specific treatment (see label).

Rinse mouth.

Wash contaminated clothing before reuse.

In case of fire: Use for extinction: CO₂, powder or water spray.

- **Storage:**

Store in a well-ventilated place. Keep cool.

Store locked up.

- **Disposal:**

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

3. Composition / information on ingredients

- **Chemical characterization**

Description: Mixture of substances listed below with non hazardous additions.

Dangerous components:

| | | | |
|-------------------------------------|---------|----------------|--|
| Trade Secret | 20-40 % | C, Xn; R 22-35 | Danger: Skull and crossbones 3.1.O/3; Corrosion 3.2/1A |
| Trade Secret | 10-30 % | Xi; R 36 | Warning: Exclamation mark 3.3/2A |
| Trade Secret | 5-15 % | Xi; R 36 | Warning: Exclamation mark 3.3/2A; 2.6/4 |
| Trade Secret | < 10 % | Xn; R 22 | Danger: Skull and crossbones 3.1.O/3 |
| Trade Secret | < 5.0 % | | |
| 70% solution alkylpoly glucocide | < 5.0 % | Xi; R 36 | Warning: Exclamation mark 3.3/2A |

- **Additional information:**

For the wording of the listed risk phrases refer to section 16

4. First-aid measures

- **General information:** Immediately 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 place patient stably in side position for transportation.
- **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

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doctor.

- **After swallowing:** If symptoms persist consult doctor. Drink plenty of water and provide fresh air. Call for a doctor immediately

5. Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6. Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away
- **Measures for environmental protection:**
Dilute with plenty of water.
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).
Ensure adequate ventilation.

7. Handling and storage

- **Handling:**
 - Information for safe handling:
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
 - Information about fire - and explosion protection:
No special measures required.
- **Storage:**
 - Requirements to be met by storerooms and receptacles:
No special requirements.
 - Information about storage in one common storage facility: Not required.
 - Further information about storage conditions: Keep container tightly sealed.

8. Exposure controls / personal protection

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

Ingredients with limit values that require monitoring at the workplace:

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- Trade Secret
- OES: Short-term value: 2 mg/m³
- **Additional information:**
The lists valid during the making were used as basis.
- **Personal protective equipment:**
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **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
- **Protection of hands:**
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **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.
- **Eye protection:** Tightly sealed goggles

9. Physical and chemical properties

- **General Information**
 - **Form:** Paste
 - **Colour:** According to product specification
 - **Odour:** Characteristic
- **Change in condition**
 - Melting point/Melting range: Undetermined.
 - Boiling point/Boiling range: 100 ° C
- **Flash point:** 74 ° C

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- **Ignition temperature:** 280 ° C
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower: 1.5 Vol %
 - Upper: 9.7 Vol %
- **Vapour pressure:** at 20 °C - 23 hPa
- **Density:** Not determined.
- **Solubility in / Miscibility with water:** Fully miscible.
- **pH-value:** at 20 ° C 14.0

10. Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11. Toxicological information

- **Acute toxicity:**
 - LD/LC50 values relevant for classification:
 - Trade Secret
 - Oral: LD50: 273 mg/kg (rat)
- **Primary irritant effect:**
- **on the skin:** caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect
- **Sensitization:** No sensitizing effects known
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful
Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12. 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.

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

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is

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considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

13. Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system
- **Un-cleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14. Transport information

- **Land transport ADR/RID (cross-border)**
 - **ADR/RID class:** 8 Corrosive substances.
 - **Danger code (Kemler):** 80
 - **UN-Number:** 1719
 - **Packaging group:** II
 - **Hazard label** 8
 - **Description of goods:** ALKALI LIQUID
- **Maritime transport IMDG:**
 - **IMDG Class:** 8
 - **UN Number:** 1719
 - **Label** 8
 - **Packaging group:** II
 - **EMS Number:** F-A,S-B
 - **Marine pollutant:** No
 - **Proper shipping name:** ALKALI LIQUID
- **Air transport ICAO-TI and IATA-DGR:**
 - **ICAO/IATA Class:** 8
 - **UN/ID Number:** 1719
 - **Label** 8
 - **Packaging group:** II
 - **Proper shipping name:** ALKALI LIQUID

15. Regulatory information

- **Labeling according to EU guidelines:**
Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV)

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- **Code letter and hazard designation of product:** C Corrosive
- **Hazard-determining components of labelling:** Trade Secret
- **Risk phrases:**
 - 22 Harmful if swallowed.
 - 35 Causes severe burns
- **Safety phrases:**
 - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 - 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 - 60 This material and its container must be disposed of as hazardous waste.
- **National regulations:**
- **Technical instructions (air):**
 - Class Share in %
 - Water 32.3
 - NK 14.0
- **Water hazard class:**
 - Water hazard class 1 (Self-assessment): slightly hazardous for water.

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 R-phrases**
 - 22 Harmful if swallowed.
 - 35 Causes severe burns.
 - 36 Irritating to eyes.
- **Department issuing MSDS:** Technical Services
- **Contact:** Mr Santi Kulsiriswad
- **Abbreviations and acronyms:**
 - ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - RID: Reglement internationale concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 - ICAO: International Civil Aviation Organization
 - ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 - GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 - LC50: Lethal concentration, 50 percent

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