

## ***Material Safety Data Sheet***

Date of issue: 14/08/2007

- **Product details:**
- **Trade name: ALDEFREE**  
**Indication : For Instant surface disinfection.**

- **By-**  
**UPS HYGIENES PVT.LTD**  
B-4508, SHIVPARVATI APT, SATYA NAGAR,  
Saibaba Mandir Rd, Borivali (w), Mumbai 400 092.  
INDIA. Tel : 91-22-65214567  
Website : www.upshygiene.com  
Emai : info@upshygiene.com

### **HAZARDS IDENTIFICATION**

- Flammable.
- Irritating to eyes.
- Vapours may cause drowsiness and dizziness.

### **PHYSICAL DATA :**

- **Description:** Mixture of the substances listed below with harmless additions.
- **Dangerous components:**
- **Suitable extinguishing agents**  
CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Protective equipment:** No special measures required.  
Contains-  
CAS: 67-63-0  
2-propanol 70 %  
Benzalkonium Chloride  
CAS : : 68391-01-5
- **Form:** fluid
- **Colour:** Colourless
- **Smell:** Alcoholic
- **Change in condition**  
· **Melting point:** not determined  
· **Boiling point:** not determined
- **Flash point:** 30°C
- **Self-inflammability:** product is not self igniting
- **Danger of explosion:** product is not explosive. However, formation of explosive air/steam mixtures is possible
- **Solubility in / Miscibility with Water:** fully miscible
- **pH-value at 20°C:** 3-4
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

## HAZARDOUS INGREDIENTS-

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

## FIRST AID INFORMATION

- **After inhalation** Supply fresh air.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** Drink copious amounts of water and provide fresh air. Instantly call for doctor.

## PERSONAL PROTECTION

Ensure adequate ventilation  
Keep away from ignition sources

## Environmental protection:

Do not allow product to reach sewage system or water bodies.  
Dilute with much water.

## DISPOSAL METHOD :

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)  
No decomposition if used according to specifications.  
No dangerous reactions known.  
**Dangerous products of decomposition:** No dangerous decomposition products known.  
**Information about (persistence and degradability):**  
· **Other information:** *The product is easily biodegradable.*

## HANDLING

- **Information for safe handling:**  
No special precautions necessary if used correctly.  
Keep away from heat and direct sunlight.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.

## STORAGE-

- No special requirements.  
Keep container tightly sealed.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to in handling the chemicals.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Eye protection:** Safety glasses recommended during refilling.

## TOXICOLOGICAL DATA

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**  
*Oral LD50 > 80000 mg/kg (rat)*
- **Primary irritant effect:**  
· **on the skin:** No irritant effect  
**on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:** Irritant

**· ECOLOGICAL DATA-**

**· Recommendation**

Must not be disposed of together with household garbage.

Do not allow product to reach sewage system.

Must be specially treated under adherence to official regulations.

**· For Uncleaned packagings-**

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

**· Recommended cleaning agent:** Water, if necessary with cleaning agent.

**TRANSPORTATION DATA-**

CLASS 3 FLAMMABLE LIQUID

Packaging group : 3

Correct technical name : Alcohols

For both maritime & air transport.

**Other guidelines -**

The product is not subject to the provisions of the Chemical Law and the Ordinance on Hazardous Materials. However, normal safety regulations should be observed.

**OTHER INFORMATION-**

The information contained in this MSDS is believed to be accurate & represents the best information available at the time of preparation. However no warranty, express or implied w.r.t. such information is made. The data is subject to revision as additional knowledge is gained.