

# Material Safety Data Sheet

According to 91/155/EEC, 93/112/EC, 2001/58/EC

Reviewed on January 2005

## 1 Product and company identification:

- **Brandname:** PASCAL VA5
- **Application of the product:**
- **Manufacturer/Supplier:** JohnsonDiversey India Pvt. Ltd., Survey No. 56/2, Plot No.17 & 18, Silver Ind. Estate Bhimpore Village, Navi Daman - 396210. Tel : (0260)2221629. Fax : (0260) 2220113
- **Information department:** JohnsonDiversey India Pvt. Ltd., A-8, Laxmi Tower; Bandra-Kurla Complex, Mumbai-51
- **Emergency information:** Tel.: (022) 56444222 Fax : (022) 56444223

## 2 Composition / Information on ingredients:

- **Chemical characterization**
- **Description:** Mixture in water of non-dangerous ingredients and substances listed below.

- **Hazardous ingredients:**

7697-37-2	Nitric acid	C,O: R 8-35	30%
-----------	-------------	-------------	-----

## 3 Hazards identification

- **Classification :**



C Corrosive

- **Risk phrases :**  
R 35 Causes severe burns.
- **Classification system :**  
The classification complies with current EC regulations on dangerous substances and preparations.

## 4 First aid measures

- **General information :** Remove contaminated clothing immediately
- **Inhalation :**  
Remove from source of exposure. Obtain medical attention if symptoms develop.  
In case of unconsciousness bring patient into stable side position for transport.
- **Skin contact :**  
Wash skin immediately and thoroughly with water. Remove contaminated clothing.  
Obtain medical attention if symptoms develop.
- **Eye contact :** Wash immediately with copious amounts of water and obtain medical attention.
- **Ingestion :** Remove material from mouth. Drink one or two glasses of water or milk and obtain medical attention without delay.

## 5 Fire fighting measures

- **Suitable extinguishing media:**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Protective equipment :** No special measures required.

## 6 Accidental release measures

- **Protection of personnel :** Wear suitable protective clothing, gloves and eye face protection.
- **Environmental precautions:** Dilute with plenty of water.
- **Method of disposal:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

# Material Safety Data Sheet

According to 91/155/EEC, 93/112/EC, 2001/58/EC

Reviewed on January 2005

**Brandname: PASCAL VA5**

(Contd. of page 1)

Dispose of the collected material according to the regulations.  
Use neutralizing agent.

## 7 Handling and storage

- **Handling** ( see also sections 8 and 15)
- **Information for safe handling** : Ensure good ventilation exhaustion at the workplace.
- **Information about protection against explosions and fires** : No special measures required.
- **Storage** :
- **Requirements for storage rooms and containers** : According to local legislation.
- **Storage in one common storage facility** : According to local legislation.
- **Further information about storage conditions** : None.

## 8 Exposure controls and personal protection

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

- **Components with limit values that require monitoring at the workplace** :

7697-37-2 nitric acid ( $\geq 30\%$ )

OES	Short-term value : 10 mg/m <sup>3</sup> , 4 ppm Long-term value : 5.2 mg/m <sup>3</sup> , 2 ppm
-----	--

- **Additional information** : The lists that were valid during the compilation were used as basis.
- **Personal Protection equipment** :
- **General protective and hygienic measures** :  
Keep away from foodstuffs, beverages and food.  
Take off immediately all contaminated clothing.  
Wash hands during breaks and end of the work.  
Avoid contact with the eyes and skin.
- **Breathing equipment**: Personal protection is not normally required.
- **Protection of hands**: Protective gloves
- **Eye protection**: Tightly fitting safety glasses

## 9 Physical and chemical properties:

- **Form:** Liquid
- **Colour:** Clear
- **Odour:** Characteristic
- **Change in condition**  
  - Melting point/Melting range:** Not determined
  - Boiling point/Boiling range:** Not determined
- **Flash point:** Not applicable
- **Spontaneous combustion:** Product is not self igniting.
- **Danger of explosion:** Product is not explosive.
- **Density at 20°C** 1.31 g/cm<sup>3</sup>
- **Solubility in / Miscibility with Water:** Fully miscible
- **pH-value:** pH  $\leq 2.0$

(Contd. on page 3)

**Material Safety Data Sheet**  
According to 91/155/EEC, 93/112/EC, 2001/58/EC

Reviewed on January 2005

Brandname: PASCAL VA5

(Contd. of page 2)

**10 Stability and reactivity**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** Reacts with alkali and metals
- **Hazardous decomposition products:** No dangerous decomposition products known

**11 Toxicological information**

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**  
EC classification:  
Corrosive  
Ingestion 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:**  
Must not reach sewage water or drainage ditch undiluted or unneutralized.  
When used for its intended purpose this product should not cause adverse effects in the environment.

**13 Disposal considerations**

- **Product:**
- **Recommendation**  
Must not be disposed of together with domestic waste. Do not allow undiluted product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Dispose of observing official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

**14 Transport information**

- **Land transport ADR/RID (cross-border)**



- **ADR/RID-GGVS/E Class:** 8 Corrosive substances.
- **Item number / Sub-group:** 2b
- **UN-Number:** 2031
- **Label:** 8
- **Proper Shipping Name:** Nitric acid, solution
- **Comments:** According to ADR/RID marginal 2801a, combined packages of small quantities can be transported with an exemption from ADR/RID.

(Contd. on page 4)

**Material Safety Data Sheet**  
According to 91/155/EEC, 93/112/EC, 2001/58/EC

Reviewed on January 2005

**Brandname: PASCAL VA5**

(Contd. of page 3)

**15 Regulatory information****• Classification according to EC guidelines:**

The product has been classified and labelled in accordance with current EC Directives.

**• Symbol and hazard designation of product:**

C Corrosive

**• Ingredients responsible for the classification:**

Nitric acid

**• Risk phrases:**

35 Causes severe burns.

**• Safety phrases:**

23 Do not breathe vapour.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of water.

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).

**16 Other information****• Handle and apply only as recommended****• Department issuing material safety data sheet:**

JohnsonDiversey India Private Limited  
A/8, Laxmi Tower, Bandra Kurla Complex,  
Mumbai - 400 051  
Tel.: (022) 56444222. Fax: (022) 56444223