

Material Safety Data Sheet

According to 91/155 EC

Printing date 23.03.2001

Reviewed on 23.03.2001

1 Product and company identification:

- **Brandname:** DESCALE VAI
- **Manufacturer/Supplier:** DiverseyLever
- **Information department:** DiverseyLever local operating company
- **Emergency information:** DiverseyLever local operating company

2 Composition / Information on ingredients:

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

- **Hazardous ingredients:**

7664-38-2	phosphoric acid	C; 34	15-30%
-----------	-----------------	-------	--------

- **Ingredients according to EC 89/542**

phosphates	>= 30%
------------	--------

3 Hazards identification

- **Classification:**



C Corrosive

- **Risk phrases:**

R 34 Causes 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** 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**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Protective equipment:** No special measures required.

(Contd. on page 2)

Material Safety Data Sheet

According to 91/155 EC

Printing date 23.03.2001

Reviewed on 23.03.2001

Brandname: DESCALE VAI

(Contd. of page 1)

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).
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:** Use common rules for working with chemicals.
- **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:**

7664-38-2 phosphoric acid (15-30%)

OES Short-term value: 2 mg/m ³

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and food.
Take off immediately all contaminated clothing.
Wash hands during breaks and at the 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:** Uncoloured
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** 1.18 g/cm³
- **Solubility in / Miscibility with Water:** Fully miscible

(Contd. on page 3)

Material Safety Data Sheet

According to 91/155 EC

Printing date 23.03.2001

Reviewed on 23.03.2001

Brandname: DESCALE VAI

(Contd. of page 2)

· **pH-value:** pH ≤ 2.0

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.

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:** 17c
- **UN-Number:** 1805
- **Label** 8
- **Proper Shipping Name:** Phosphoric acid, solution
- **Comments:** According to ADR/RID marginal 2801a, combined packages of small quantities can be transported with an exemption from ADR/RID.

15 Regulatory information

- **Classification according to EC guidelines:**
The product has been classified and labelled in accordance with current EC Directives.

(Contd. on page 4)

Material Safety Data Sheet

According to 91/155 EC

Printing date 23.03.2001

Reviewed on 23.03.2001

Brandname: DESCALE VAI

(Contd. of page 3)

· Symbol and hazard designation of product:

C Corrosive

· Ingredients responsible for the classification:

phosphoric acid

· Risk phrases:

34 Causes burns.

· Safety phrases:

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:

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

· Department issuing material safety data sheet: DLI Regulatory Group, Maarssen, The Netherlands**· Contact:**

DLI Regulatory Group, Maarssen, The Netherlands, for information to DiverseyLever operating companies.

· International references:**· MSDS code:** MSDS1989**· MSDS review date:** 23.03.2001**· Formulation code:** VA01-02**· Clearance code:** DL10369