

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 31.07.2009

Revision: 31.07.2009

1 Identification of substance:

· **Product details:**

- **Trade name:** Vitalit 7256
- **Application of the substance / the preparation** Adhesives



· **Manufacturer/Supplier:**

Panacol-Elosol GmbH
Daimlerstrasse 8
61449 Steinbach
061716202-554

- **Informing department:** Product safety department: info@panacol.de

· **Emergency information:**

During regular office hours +49 6171 6202 554 – all other times call your local Poison Control Center.

2 Hazards identification

· **Hazard designation:**



C Corrosive

· **Information pertaining to particular dangers for man and environment**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 34 Causes burns.

R 37 Irritating to respiratory system.

R 43 May cause sensitisation by skin contact.

· **Classification system**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

· **GHS label elements**



Danger

H314 - Causes severe skin burns and eye damage.



Warning

H317 - May cause an allergic skin reaction.

H335 - May cause respiratory irritation.

· **Prevention:**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

· **Response:**

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

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- P312 Call a **POISON CENTER** or doctor/physician if you feel unwell.
 P321 Specific treatment (see on this label).
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P363 Wash contaminated clothing before reuse.

· **Storage:**

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.

· **Disposal:**










- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

· **Chemical characterization**

- **Description:** Mixture of the substances listed below with harmless additions.

· **Dangerous components:**

CAS: 868-77-9 EINECS: 212-782-2	2-hydroxyethyl methacrylate  Xi; R 36/38-43 Warning:  3.2/2, 3.3/2, 3.4.S/1	25-50%
CAS: 79-10-7 EINECS: 201-177-9	acrylic acid  C,  Xn,  N; R 10-20/21/22-35-50 Danger:  3.2/1A Warning:  2.6/3;  4.1.A/1;  3.1.O/4, 3.1.D/4, 3.1.I/4	2.5-10%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information** Instantly remove any clothing soiled by the product.

· **After inhalation**

Supply fresh air and call for doctor for safety reasons.

In case of unconsciousness bring patient into stable side position for transport.

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

· **After skin contact**

Instantly wash with water and soap and rinse thoroughly.

Instantly rinse with water.

· **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.

5 Fire fighting measures

- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.

- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

- **Special hazards caused by the material, its products of combustion or resulting gases:**

Formation of poisonous gases during heating or in fires.

- **Protective equipment:** Do not inhale explosion gases or combustion gases.

6 Accidental release measures

· **Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

· **Measures for environmental protection:**

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

Inform respective authorities in case product reaches water or sewage system.

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Do not allow to enter drainage system, surface or ground water.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralizing agent.

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

7 Handling and storage

Handling

Information for safe handling:

Store in cool, dry place in tightly closed containers.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about protection against explosions and fires: *Protect from heat.*

Storage

Requirements to be met by storerooms and containers: *Store in cool location.*

Information about storage in one common storage facility: *Not required.*

Further information about storage conditions: *Keep container tightly sealed.*

8 Exposure controls and personal protection

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

Components with limit values that require monitoring at the workplace:

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

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:

Not necessary if room is well-ventilated.

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

Use breathing protection in case of insufficient ventilation.

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.

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· **Eye protection:** Tightly sealed safety glasses.

9 Physical and chemical properties:

· General Information

Form:	Fluid
Colour:	Clear
Odour:	Characteristic

· Change in condition

Melting point/Melting range: Not determined
Boiling point/Boiling range: 93°C

· **Flash point:** 105°C· **Ignition temperature:** 370°C· **Self-inflammability:** Product is not selfigniting.· **Danger of explosion:** Product is not explosive.

· Critical values for explosion:

Lower:	1.4 Vol %
Upper:	10.0 Vol %

· **Vapour pressure at 20°C:** 0.1 mbar· **Density at 20°C** 1.09 g/cm³
ca. 1,1

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix

· **pH-value at 20°C:** 0

· Viscosity:

dynamic at 20°C: 1000 mPas

· Solvent content:

Organic solvents:	0.0 %
Water:	0.0 %

· **Solids content:** 35.0 %

10 Stability and reactivity

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

11 Toxicological information

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

79-10-7 acrylic acid

Oral	LD50	250 mg/kg (rat)
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Dermal	LD50	280 mg/kg (rbt)
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· Primary irritant effect:

· **on the skin:** Caustic effect on skin and mucous membranes.· **on the eye:** Strong caustic effect.

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- **Sensitization:** Sensitization possible by skin contact.
- **Additional toxicological information:**
 - Corrosive
 - Irritant
 - Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.
- **Sensitisation** May cause sensitisation by skin contact.

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 bodies 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 decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, 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 of together with household garbage. Do not allow product to reach sewage system.
- **Waste disposal key number:** 08 04 09*

- **European waste catalogue**

08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

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



- **ADR/RID-GGVS/E Class:** 8 Corrosive substances.
- **Kemler Number:** 80
- **UN-Number:** 1760
- **Packaging group:** III
- **Label:** 8
- **Designation of goods:** 1760 CORROSIVE LIQUID, N.O.S. (ACRYLIC ACID, STABILIZED)

- **Maritime transport IMDG:**



- **IMDG Class:** 8
- **UN Number:** 1760
- **Label:** 8
- **Packaging group:** III

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- **EMS Number:** F-A,S-B
- **Marine pollutant:** No
- **Correct technical name:** CORROSIVE LIQUID, N.O.S. (ACRYLIC ACID, STABILIZED)

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 8
- **UN/ID Number:** 1760
- **Label:** 8
- **Packaging group:** III
- **Correct technical name:** CORROSIVE LIQUID, N.O.S. (ACRYLIC ACID, STABILIZED)

- **UN "Model Regulation":** UN1760, CORROSIVE LIQUID, N.O.S., 8, III

15 Regulatory information

- **Designation according to EC guidelines:**
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
- **Code letter and hazard designation of product:**
C Corrosive
- **Hazard-determining components of labelling:**
2-hydroxyethyl methacrylate
acrylic acid
- **Risk phrases:**
34 Causes burns.
37 Irritating to respiratory system.
43 May cause sensitisation by skin contact.
- **Safety phrases:**
20 When using do not eat or drink.
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
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 %
NK	5.0
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**
10 Flammable.
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
35 Causes severe burns.

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- 36/38 *Irritating to eyes and skin.*
43 *May cause sensitisation by skin contact.*
50 *Very toxic to aquatic organisms.*

· **Department issuing data specification sheet:** Environment protection department.

· **Contact:** Frau Dr. Jutta Lörzer

· **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: Règlement international 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

LD50: Lethal dose, 50 percent

· *** Data compared to the previous version altered.**

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