

Material Safety Data Sheet

According to 91/155 EEC(2001/58 EC)

Printing date: 06.10.2005

Reviewed on: 06.10.2005

1 Identification of substance:

- **Product details:**

- **Trade name:** **Viehstempelfarbe**
- **Application of the substance / the preparation** Marking of animals

- **Supplier/Manufacturer:**

Raidex GmbH
 Neuhäuser Str. 17
 D-72581 Dettingen/Erms
 Tel.: +49-7123-9751-0
 Fax: +49-7123-9751-33

- **Information department:** see above

- **Emergency information:** National Poisons Information Centre Tel.: +44 (0)870 6006266

2 Composition/Data on components:

- **Chemical characterization**

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

- **Dangerous components:**

CAS: 67-63-0 propan-2-ol	25-50%
EINECS: 200-661-7 Xi, F; R 11-36-67	

CAS: 67-64-1 acetone	10-25%
EINECS: 200-662-2 Xi, F; R 11-36-66-67	

CAS: 495-54-5 4-(phenylazo)benzene-1,3-diamine	< 1.0%
EINECS: 207-803-7 Xn, N; R 22-38-68-51/53	

CAS: 548-62-9 C.I. Basic Violet 3	< 1.0%
EINECS: 208-953-6 Xn, N; R 22-40-41-50/53	

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

3 Hazards identification

- **Hazard description:**



Xi Irritant
 F Highly flammable

- **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 EC" in the latest valid version.

R 11 Highly flammable.

R 36 Irritating to eyes.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 67 Vapours may cause drowsiness and dizziness.

- **Classification system:**

The classification was made according to the latest editions of the EU-lists, and expanded using company data and specialized literature.

4 First aid measures

- **General information:**

Immediately remove any clothing soiled by the product.
 If symptoms persist or in case of doubt seek medical advice.

- **After inhalation:**

Supply fresh air and be sure to call for a doctor.

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In case of unconsciousness, place patients on their side in a stable position for transportation.

· **After skin contact:** Clean effected skin thoroughly with water and a mild cleansing agent. No residues shall remain on the skin.

· **After eye contact:**

Rinse the eyes with open eyelids for 10 - 15 minutes with water. Then consult a doctor or better an eye specialist.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting.

Never give anything by mouth to a unconscious person.

Consult a physician and show this safety data sheet.

5 Fire fighting measures

· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire fighting measures that suit the environment.

· **For safety reasons unsuitable extinguishing agents:** Direct jet water

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

Dangerous decomposition product see chapter 10: stability and reactivity

· **Protective equipment:** Wear self-contained respiratory protective device.

· **Additional information:**

Heating leads to pressure increase entailing danger of bursting and explosion. Immediately cool neighbouring packages and containers with sprayed water and, if possible, remove them out of the danger zone

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

· **Person-related safety precautions:**

Ensure adequate ventilation

Wear protective clothing.

Keep unprotected persons away.

Do not smoke - keep ignition sources away

· **Measures for environmental protection:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to penetrate the ground/soil.

In case of seepage into the ground inform responsible authorities.

· **Measures for cleaning/collecting:**

Ensure adequate ventilation.

Absorb with non-combustible material like sand, soil or diatomite.

Send for recovery or disposal in suitable receptacles.

Dispose contaminated material as waste according to item 13.

7 Handling and storage

· **Handling**

· **Information for safe handling:**

Open and handle receptacle with care.

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with eyes and skin.

Avoid inhalation of vapours.

· **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

Fumes can combine with air to form an explosive mixture.

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- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Observe national regulations for storage of flammable liquids.
- **Information about storage in one common storage facility:**
Store away from feed.
Store away from foodstuffs.
- **Further information about storage conditions:**
Store receptacle in a well ventilated area.
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
- **Storage class** 3A Flammable Liquids

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:**

67-63-0 propan-2-ol

OES (Great Britain) Short-term value: 1250 mg/m³, 500 ppm
Long-term value: 999 mg/m³, 400 ppm

57-55-6 propane-1,2-diol

OES (Great Britain) Long-term value: 474* 10** mg/m³, 150* ppm
*total (vapour and particulates) **particulates

67-64-1 acetone

OES (Great Britain) Short-term value: 3620 mg/m³, 1500 ppm
Long-term value: 1210 mg/m³, 500 ppm
New, IOELV

TLV (European Union) Long-term value: 1210 mg/m³, 500 ppm

1333-86-4 Carbon black

OES (Great Britain) Short-term value: 7 mg/m³
Long-term value: 3.5 mg/m³

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures:**
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Do not eat or drink while working.
Wash hands before breaks and at the end of work.
- **Breathing equipment:**
Use suitable respiratory protective device in case of insufficient ventilation.
Short term filter device:
Filter A
- **Protection of hands:**
Solvent resistant 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 suitable depends upon the material, and also upon the quality of the gloves. The degree of protection will vary 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.
- **Body protection:** Protective work clothing.

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9 Physical and chemical properties:

- **General Information**

Form: Fluid
Colour: Black
Odour: Characteristic

- **Change in condition:**

Melting point/Melting range: undetermined
Boiling point/Boiling range: undetermined

- **Flash point:** not determined

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Density:** Not determined

- **Solubility in / Miscibility with**

Water: Partly soluble

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

Conditions to be avoided: see chapter 7

- **Dangerous reactions:** No dangerous reactions known

- **Dangerous products of decomposition:**

In the case of fire or at high temperatures the formation of the following decomposition products is possible.

Carbon monoxide and carbon dioxide

Irritant gases/vapours

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:** No toxicity data are available for the product itself.

- **Primary irritant effect:**

- **on the skin:**

May cause irritation to the skin.

Defatting effect on the skin.

- **on the eye:** Irritating effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

12 Ecological information

- **Ecotoxicological effects:**

- **Aquatic toxicity:** Presently there are no ecotoxicological values available.

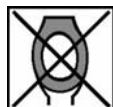
- **Remark:** Harmful to fish

- **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

According to appendix 4 of VwVwS dated 17.05.1999 (German regulation)

Follow producer's instructions for use.



Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

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13 Disposal considerations

- **Product:**
- **Recommendation:**
Must be specially treated adhering to official regulations.



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

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



- **ADR/RID class:** 3 (F1) Flammable liquids.
- **Danger code (Kemler):** 33
- **UN-Number:** 1263
- **Packaging group:** II
- **Label:** 3
- **Description of goods:** 1263 PAINT, special provision 640D
- **Remarks:** Limited quantity: 5l per inner packaging, 30 kg gross per packaging unit

- **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1263
- **Label:** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No
- **Proper shipping name:** PAINT

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



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1263
- **Label:** 3
- **Packaging group:** II
- **Proper shipping name:** PAINT

15 Regulations

- **Markings according to EC guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

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· **Code letter and hazard designation of product:**



Xi Irritant
F Highly flammable

· **Risk phrases:**

- 11 Highly flammable.
- 36 Irritating to eyes.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 67 Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

- 7 Keep container tightly closed.
- 16 Keep away from sources of ignition - No smoking.
- 23 Do not breathe fumes.
- 24 Avoid contact with skin.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 60 This material and its container must be disposed of as hazardous waste.

· **National regulations**

· **Information about limitation of use:** Restrictions on juvenile employment must be observed.

· **Technical guidance (air):**

· **Class Share in %**

· **NK 74.8**

· **Water hazard class:** Water hazard class 2 (Self-assessment): 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:**

- 11 Highly flammable.
- 22 Harmful if swallowed.
- 36 Irritating to eyes.
- 38 Irritating to skin.
- 40 Limited evidence of a carcinogenic effect.
- 41 Risk of serious damage to eyes.
- 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.
- 68 Possible risk of irreversible effects.

· **Department issuing MSDS:**

KFT-Chemieservice Marienstr. 3 D-64347 Griesheim
Postfach 1451 D-64345 Griesheim
Tel.: +49-6155-823241 Fax: +49-6155-823246

· **Contact:** Angelika Torges