

## Safety Data Sheet

acc. to 91/155/EEC - ISO 11014-1:1994(E)

Printing date 26.01.2005

Reviewed on 26.01.2005

### 1 Identification of substance:

- **Product details:**
- **Trade name:** VFT-Creosote oil M
- **Article number:** 103210
- **Application of the substance / the preparation**  
Biocide  
Wood preservatives  
Wood-preservative impregnation
- **Manufacturer/Supplier:**  
  
RÜTGERS Chemicals AG  
A RÜTGERS Group Company  
Kekuléstraße 30  
D-44579 Castrop-Rauxel
- **Information:** see Section 16 (Contact)
- **Emergency information:** see: Manufacturer/Supplier



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### 2 Composition/Data on components:

- **Chemical characterization**
- **Dangerous components:**

CAS: 92-52-4	biphenyl	Xi, N, R 36/37/38-50/53	< 5%
EINECS: 202-163-5			
CAS: 91-20-3	naphthalene, pure	Xn, N, R 22-50/53	< 2%
EINECS: 202-049-5			
- **Additional information** For the wording of the listed risk phrases refer to section 16.

### 3 Hazards identification

- **Hazard designation:**  


Xn Harmful  
N Dangerous for the environment
- **Information pertaining to particular dangers for man and environment**  
 R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
 R 36 Irritating to eyes.  
 R 43 May cause sensitisation by skin contact.  
 R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 For use in industrial installations or professional treatment only
- **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.
- **Additional information:** 67/548/EEC, Nota M: Benzo(a)pyrene < 50ppm

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### 4 First aid measures

- . **General information** Instantly remove any clothing soiled by the product.
- . **After inhalation** Supply fresh air, consult doctor in case of symptoms.
- . **After skin contact**  
Clean affected area with soap and plenty of water.  
Seek medical treatment.
- . **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- . **After swallowing** In case of persistent symptoms consult doctor.

### 5 Fire fighting measures

- . **Suitable extinguishing agents** CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fire with foam.
- . **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:**  
Can be released in case of fire  
Carbon monoxide (CO)
- . **Protective equipment:**  
Do not inhale explosion gases or combustion gases.  
Wear self-contained breathing apparatus.
- . **Additional information**  
Cool endangered containers with water spray jet.  
Collect contaminated fire fighting water separately. It must not enter drains.

### 6 Accidental release measures

- . **Person-related safety precautions:** Wear protective clothing.
- . **Measures for environmental protection:** Prevent material from reaching sewage system, holes and cellars.
- . **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).  
Send for recovery or disposal in suitable containers.  
Dispose of contaminated material as waste according to item 13.  
Ensure adequate ventilation.

### 7 Handling and storage

- . **Handling**
- . **Information for safe handling:**  
Keep containers tightly sealed.  
Prevent formation of aerosols.
- . **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.
- . **Storage**
- . **Requirements to be met by storerooms and containers:** Store only in the original container.
- . **Information about storage in one common storage facility:** Store away from oxidizing agents.
- . **Further information about storage conditions:** Keep container tightly sealed.

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### 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:**
  - 92-52-4 biphenyl**
  - OES Short-term value: 3.8 mg/m<sup>3</sup>, 0.6 ppm
  - Long-term value: 1.3 mg/m<sup>3</sup>, 0.2 ppm
  - 91-20-3 naphthalene, pure**
  - OES Short-term value: 80 mg/m<sup>3</sup>, 15 ppm
  - Long-term value: 53 mg/m<sup>3</sup>, 10 ppm
  - CHAN
- . **Additional information:** -
- . **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.
  - Store protective clothing separately.
- . **Breathing equipment:**
  - Short term filter device:
  - Filter ABEK
- . **Protection of hands:** Only use chemical-protective gloves with CE-labelling of category III.
- . **Material of gloves**
  - Butyl rubber, BR
  - Nitrile rubber, NBR
- . **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 safety glasses.
  - Gauze goggles
- . **Body protection:** Protective work clothing.

### 9 Physical and chemical properties:

- . **General Information**

Form:	Fluid
Colour:	Brown
Odour:	Aromatic
- . **Change in condition**

Boiling point/Boiling range:	210 - 400°C
Cloud point / clarification point:	< 30°C
- . **Flash point:** > 80°C
- . **Ignition temperature:** > 450°C

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- <b>Danger of explosion:</b>	Vapours may form explosive mixtures with air.
- <b>Vapour pressure at 25°C:</b>	< 2 hPa
- <b>Density at 20°C</b>	1.02 - 1.15 g/cm <sup>3</sup>
- <b>Solubility in / Miscibility with Water at 20°C:</b>	< 0.2 g/l
- <b>Viscosity: kinematic at 20°C:</b>	< 25 mm <sup>2</sup> /s

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition.
- **Dangerous reactions:** Violent reaction with water at high temperatures
- **Dangerous products of decomposition:** No dangerous decomposition products known

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:**  
Irritant to skin and mucous membranes.  
In combination with UV-light, irritations of skin (phototoxic effects) may occur.
- **on the eye:** Irritations of the mucous membranes are possible.
- **Sensitization:** Sensitization possible by skin contact.

### 12 Ecological information:

- **General notes:** Do not allow product to reach underground or surface water or sewage system.

### 13 Disposal considerations

- **Product:**
- **Recommendation:** Remove according to local authority recommendations, e.g. convey to a suitable incinerator.
- **European waste catalogue**  
The waste code classification is to be carried out according to the European Waste Catalogue (EWC) specifically for each branch of industry and each type of process.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID Class:** 9 Miscellaneous dangerous substances and articles.
- **Hazard Index Number:** 90



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Trade name: VFT-Creosote oil M

. Substance Index Number: 3082  
 . Packaging group: III  
 . Label: 9  
 . Designation of goods: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (creosote oil)

. Inland shipping ADN/ADNR:  
 . ADN/ADNR Class: 9  
 . Number/Letter: 80  
 . Substance Index Number: -  
 . Designation of goods: Substances with  $61\text{ }^{\circ}\text{C} < Fp \leq 100\text{ }^{\circ}\text{C}$ , n.o.s.

. Maritime transport IMDG:  
 . IMDG Class: 9  
 . UN Number: 3082  
 . Label: 9 + MP  
 . Packaging group: III  
 . EMS Number: F-A,S-F  
 . Marine pollutant: P  
 . Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (creosote oil)

. Air transport ICAO-TI and IATA-DGR:  
 . ICAO/IATA Class: 9  
 . UN/ID Number: 3082  
 . Label: 9  
 . Packaging group: III  
 . Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (creosote oil)

## 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:  
 Xn Harmful  
 N Dangerous for the environment

. Risk phrases:  
 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
 36 Irritating to eyes  
 43 May cause sensitisation by skin contact.  
 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

. Safety phrases:  
 24/25 Avoid contact with skin and eyes  
 57 Use appropriate container to avoid environmental contamination.  
 60 This material and its container must be disposed of as hazardous waste.

. Special designation of certain preparations:  
 For use in industrial installations or professional treatment only

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### 16 Other information:

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

#### Relevant R-phrases

22 Harmful if swallowed.

36/37/38 Irritating to eyes, respiratory system and skin.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Department issuing data specification sheet: Product Safety Department

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#### Contact:

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#### Sources

GESTIS Stoffdatenbank (<http://www.hvbg.de/d/bia/fac/zesp/sept.htm>)

IUCLID Data-Set (<http://ecb.jrc.it/existing-chemicals/> "EINECS Information System")

(<http://ecb.jrc.it/esis/esis.php?PGM=ein&DEPUIS=autre>)

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