

# Material Safety Data Sheet

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

Printing date: 16.03.2004

Reviewed on: 16.03.2004

### 1 Identification of substance:

- **Product details:**
- **Trade name:** **Paint for marking sheeps**
- **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: 64742-48-9 Naphtha (petroleum), hydrotreated heavy	25-50%
EINECS: 265-150-3 Xn; R 10-65	

### 3 Hazards identification

- **Hazard description:**



Xn Harmful

- **Information pertaining to particular dangers for man and environment:**  
 R 10 Flammable.  
 R 65 Harmful: may cause lung damage if swallowed.
- **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.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
 Make the person drink a lot of water. Do not induce vomiting because of the danger of aspiration.  
 Seek medical treatment.
- **Information for doctor:**
- **Danger:** If swallowed or in case of vomiting, danger of entering the lungs.

### 5 Fire fighting measures

- **Suitable extinguishing agents:**  
 CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **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.

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- **Additional information:**

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.

Cool endangered receptacles with water spray.

### 6 Accidental release measures

- **Person-related safety precautions:**

Ensure adequate ventilation



Wear protective equipment. Keep unprotected persons away.

Do not smoke - keep ignition sources away

- **Measures for environmental protection:**

Prevent seepage into sewage system, workpits and cellars.

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

Do not allow to penetrate the ground/soil.

- **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:**

Ensure good ventilation/exhaustion at the workplace.

Keep away from heat and direct sunlight.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

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



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges

Flammable gas-air mixtures may be formed in empty receptacles.

- **Storage**

- **Requirements to be met by storerooms and receptacles:** Observe national regulations for storage of flammable liquids.

- **Information about storage in one common storage facility:**

Store away from foodstuffs.

Follow regulations for flammable liquids.

- **Further information about storage conditions:** Keep receptacle tightly sealed.

- **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:**

**1317-65-3 Calciumcarbonat**

OEL 10 mg/m<sup>3</sup>

TID; RD:4mg/m<sup>3</sup> 8hrs

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

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- **Personal protective equipment**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Immediately remove all soiled and contaminated clothing  
Do not inhale gases / fumes / aerosols.
- **Breathing equipment:**  
Not necessary if room is well-ventilated.  
Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**  
Protective gloves.  
To avoid skin problems reduce the wearing of gloves to the required minimum.  
Check protective gloves prior to each use for their proper condition.  
Preventive skin protection by use of skin-protecting agents is recommended.  
After use of gloves apply skin-cleaning agents and skin cosmetics.
- **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:** Goggles recommended during refilling.
- **Body protection:** Protective work clothing.

## 9 Physical and chemical properties:

### · General Information

<b>Form:</b>	Fluid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Petrol-like

### · Change in condition:

**Melting point/Melting range:** undetermined  
**Boiling point/Boiling range:** 140°C

- **Flash point:** 30°C
- **Ignition temperature:** 240°C
- **Self igniting:** Product is not self-igniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Explosion limits:**

<b>Lower:</b>	0.6 Vol %
<b>Upper:</b>	7.0 Vol %
- **Vapour pressure at 20°C:** 1 hPa
- **Density:** Not determined
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix
- **Viscosity:**

<b>kinematic at 20°C:</b>	30 s (ISO 6 mm)
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## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Materials to be avoided:**  
Oxidants  
Acids

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- **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  
Flammable gases/vapours

### 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**  
**64742-48-9 Naphtha (petroleum), hydrotreated heavy**  
Oral LD50 >5000 mg/kg (rat)  
Dermal LD50 >3000 mg/kg (rab)  
Inhalative LC50/4 h > 5 mg/L (rat)
- **Primary irritant effect:**
- **on the skin:** Continuing or repeated contact with the skin may cause skin disease.
- **on the eye:** Light irritation possible
- **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:**  
**64742-48-9 Naphtha (petroleum), hydrotreated heavy**  
LC50/96h < 100 mg/L (fish)
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
According to appendix 4 of VwVwS dated 17.05.1999 (German regulation)  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Danger to drinking water is possible if large quantities leak into the ground or into water course.

### 13 Disposal considerations

- **Product:**
- **Recommendation:**



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

Disposal according to instructions of local authorities.

- **European waste catalogue:**  
08 00 00 Wastes from the manufacture, formulation, supply and use (MFSU) of coatings, (paints, varnishes and vitreous enamels), adhesive, sealants and printing inks  
08 01 00 wastes from MFSU of paint and varnish  
08 01 99 wastes not otherwise specified
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

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### \*14 Transport information

- Land transport ADR/RID (cross-border)



- ADR/RID class: 3 (F1) Flammable liquids.
- Danger code (Kemler): 30
- UN-Number: 1263
- Packaging group: III
- Label: 3
- Description of goods: Paint

- Maritime transport IMDG:



- IMDG Class: 3
- UN Number: 1263
- Label: 3
- Packaging group: III
- 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: III
- 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

- Code letter and hazard designation of product:



Xn Harmful

- Hazard-determining components of labelling:

Naphtha (petroleum), hydrotreated heavy

- Risk phrases:

10 Flammable.

65 Harmful: may cause lung damage if swallowed.

- Safety phrases:

16 Keep away from sources of ignition - No smoking.

23 Do not breathe fumes.

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- 33 Take precautionary measures against static discharges.
- 36 Wear suitable protective clothing.
- 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 guidance (air):****· Class Share in %****· NK 2.4****· Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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**16 Other information:**

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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.

**· Reasons for amendments:**

ADR 2003

EmS-Code

**· Relevant R-phrases:**

10 Flammable.

65 Harmful: may cause lung damage if swallowed.

**· Department issuing MSDS:**

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**· Contact:** Angelika Torges**· \* Data compared to the previous version altered.**

Changes have been made to chapters marked with a \*, as compared to the previous version.