

Material Safety Data Sheet

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

Printing date: 12.07.2004

Reviewed on: 12.07.2004

1 Identification of substance:

Product details:**Trade name:** Ram Crayons / Ewe Markers**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:** Hydrocarbon waxes combined with pigments and colouring**Dangerous components:** Void

3 Hazards identification

Hazard description: not applicable**Information pertaining to particular dangers for man and environment:**

No hazards to be particularly mentioned. Please note the information of this Material Safety Data Sheet.

According to current European laws and regulations the product is not dangerous or toxic material (based on the available data).

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

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

Additional information: The material is intensely coloured.

4 First aid measures

General information: No special measures required.**After inhalation:** void**After skin contact:** Wash with water and soap.**After eye contact:** This product is an inert solid substance. If particles get into the eyes remove as customary for foreign bodies.**After swallowing:**

Unintentional swallowing is not very likely in the industrial area. If product is ingested, induce vomiting and see to medical treatment.

5 Fire fighting measures

Suitable extinguishing agents:

Water

Fire-extinguishing powder

Carbon dioxide (CO₂)

Use fire fighting measures that suit the environment.

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

After extinguishing vapours may rekindle.

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information:

Molten product should not get into the sewage system.

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

(Contd. on page 2)

— GB —

Material Safety Data Sheet

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

Printing date: 12.07.2004

Reviewed on: 12.07.2004

Trade name: **Ram Crayons / Ewe Markers**

(Contd. of page 1)

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

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **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:**
Pick up mechanically.
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:** Avoid inhalation of vapours formed by heated product.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store at room temperature
Store in well-ventilated area.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Protect from heat and direct sunlight.
- **Storage class** 11 Flammable solids

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:**
8002-74-2 paraffin waxes and hydrocarbon waxes
OES Short-term value: 6 mg/m³
Long-term value: 2 mg/m³
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures should be adhered to when handling chemicals.
Avoid contact with the skin.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**
Protective gloves.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Check protective gloves prior to each use for their proper condition.
To avoid skin problems reduce the wearing of gloves to the required minimum.
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:** Not required.
- **Body protection:** Not required.

(Contd. on page 3)

— GB —

Material Safety Data Sheet

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

Printing date: 12.07.2004

Reviewed on: 12.07.2004

Trade name: **Ram Crayons / Ewe Markers**

(Contd. of page 2)

9 Physical and chemical properties:

- **General Information**

Form: Solid.
Colour: Different according to colouring
Odour: Mineral-oil-like

- **Change in condition:**

Melting point/Melting range: 80°C
Boiling point/Boiling range: undetermined

- **Flash point:** > 180°C

- **Self igniting:** Product is not self-igniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Density at 20°C:** ~ 0.9 g/cm³

- **Solubility in / Miscibility with Water:**

Insoluble

10 Stability and reactivity

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

No decomposition if used and stored according to specifications.
 To avoid thermal decomposition do not overheat.

- **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
 Hydrocarbons

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:** No irritating effect.

- **on the eye:** No irritating effect.

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

- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

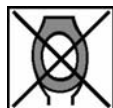
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

- **Ecotoxicological effects:**

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

- **General notes:**



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.

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

(Contd. on page 4)

Material Safety Data Sheet

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

Printing date: 12.07.2004

Reviewed on: 12.07.2004

Trade name: Ram Crayons / Ewe Markers

(Contd. of page 3)

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

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.

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

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** No hazardous good according to the regulation.
- **Maritime transport IMDG:**
- **IMDG Class:** No hazardous good according to the regulation.
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** No hazardous good according to the regulation.

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.

- **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