

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 14.01.2014

Version: 7. 1

Revision: 14.01.2014

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Animal Marking Crayon
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- **Uses advised against:** -
- **Application of the substance / the preparation:** Marking of animals
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier/Manufacturer:**
 Raidex GmbH
 Neuhäuser Str. 17
 72581 Dettingen/Erms
 Germany

 Tel.: +49 7123-9751-0
 Fax: +49 7123 9751-33
 E-mail: info@raidex.de
- **Email competent person:** sds@kft.de
- **Information department:** See supplier/manufacturer
- **1.4 Emergency telephone number:**
 National Poisons Information Service (NPIS)
 24 hour national number is 0844 892 0111 professionals only

 National Health Service (NHS)
 24 hour national number is 0845 4647 consumer

SECTION 2: Hazards identification

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** not applicable
 - **Information concerning particular hazards for human and environment:**
 No hazards to be particularly mentioned. Please note the information of this Material Safety Data Sheet.
 Based on information available to us, the substance/the mixture is not a hazardous substance as defined by the Chemicals Act (ChemG), the Hazardous substances Ordinance, Regulation (EC) No. 1272/2008 and Directive 1999/45/EC in their latest versions.
 Based on the classification criteria for mixtures according to Regulation (EC) No. 1272/2008, the product is not subject to labelling
 - **Classification system:**
 The classification complies with current legislation, but is supplemented with information from technical literature and company information.
-
- **2.2 Label elements**
 - **Labelling according to EU guidelines:**
 The mixture is not subject to labelling according to Directive 1999/45/EC and the Hazardous Substances Ordinance.
 Observe the general safety regulations when handling chemicals
 - **2.3 Other hazards** The material is intensely coloured.
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable
 - **vPvB:** Not applicable

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**
- **Description:** Hydrocarbon waxes combined with pigments and colouring

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· Dangerous components:

CAS: 8002-74-2 paraffin waxes and hydrocarbon waxes

25-50%

EINECS: 232-315-6 substance with a Community workplace exposure limit

SECTION 4: First aid measures

· 4.1 Description of 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 seek medical treatment.

· 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed Symptomatic treatment

SECTION 5: Firefighting measures

· 5.1 Extinguishing media
· Suitable extinguishing agents:

Water

Fire-extinguishing powder

Carbon dioxide (CO₂)

Use fire fighting measures that suit the environment.

· For safety reasons unsuitable extinguishing agents: No data available

· 5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Hydrocarbons

After extinguishing vapours may rekindle.

· 5.3 Advice for firefighters
· Protective equipment:

Wear self-contained respiratory protective device.

Wear a 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.

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

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures Not required.

· 6.2 Environmental precautions:

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

Do not allow to penetrate the ground/soil.

· 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Make sure to recycle or dispose of in suitable receptacles.

· 6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions are necessary if used properly.
 - **Information about protection against explosions and fires:** Observe the general rules of industrial fire protection.
 - **7.2 Conditions for safe storage, including any incompatibilities**
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:**
Store at ambient 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 Combustible solids
 - **7.3 Specific end use(s)** No further relevant information available
-

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
 - **8.1 Control parameters**
 - **Components with limit values that require monitoring at the workplace:**
8002-74-2 paraffin waxes and hydrocarbon waxes
WEL (Great Britain) 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.
 - **8.2 Exposure controls**
 - **Personal protective equipment:**
 - **General protective and hygienic measures:**
The usual precautionary measures should be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
 - **Breathing equipment:** Not required
 - **Protection of hands:**
At longer contact: protective gloves
The glove material has to be impermeable and resistant to the product/substance/preparation.
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 the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
 - **Penetration time of glove material:**
The exact penetration 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
-

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
 - **General Information:**
 - **Appearance:**

Form:	Solid
Colour:	Different according to colouring
 - **Odour:** Mineral-oil-like
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· Odour threshold:	Not determined
· Change in condition: Melting point/Melting range: 80 °C Boiling point/Boiling range: Not determined	
· Flash point:	> 180 °C
· Self ignition temperature:	Product is not self-igniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits: Lower: Upper:	Not applicable Not applicable
· Density at 20 °C:	~ 0.9 g/cm ³
· Solubility in / Miscibility with Water:	Insoluble
· Viscosity: dynamic:	Not applicable
· 9.2 Other information	No further relevant information available

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications
To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available
- **10.5 Incompatible materials:** No further relevant information available
- **10.6 Hazardous decomposition products:**
No hazardous decomposition products if instructions for storage and handling are followed

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **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
- **On respiratory tract:** -
- **Sensitization:** No sensitizing effects known
- **Subacute to chronic toxicity:**
- **STOT-single exposure** No classification
- **STOT-repeated exposure:** No classification
- **Aspiration hazard** No classification
- **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.

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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.

SECTION 12: Ecological information

- **12.1 Toxicity**
 - **Aquatic toxicity:** Presently there are no ecotoxicological values available.
 - **12.2 Persistence and degradability** No further relevant information available
 - **12.3 Bioaccumulative potential** No further relevant information available
 - **12.4 Mobility in soil** No further relevant information available
 - **Ecotoxicological effects:**
 - **Remark:** If used as intended, product does not reach sewage water.
 - **Additional ecological information:**
 - **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous to water
According to appendix 4 of VwVwS dated 27.7.2005 (German regulation)
Danger to drinking water is possible if large quantities leak into the ground or into water course.
 - **12.5 Results of PBT and vPvB assessment**
 - **PBT:** Not applicable
 - **vPvB:** Not applicable
 - **12.6 Other adverse effects** No further relevant information available
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SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
 - **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.
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SECTION 14: Transport information

- | | |
|---------------------------------------------------------------------------------------|----------------|
| · 14.1 UN-Number | |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name | |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable |
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SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

- **Reasons for amendments:** No change required according to maintenance check.
- **Replaces version dated:** 18.01.2013

- **Department issuing MSDS:**

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- **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

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent