
REINER

EC SAFETY DATA SHEET

Reiner Stamp Ink used in Reiner Numbering/Date Stamps and their respective Replacement Pads e.g. Models B6 and DN9

| Colour: | Spicers Code: | Ludwig Ltd. Code: |
|----------------|----------------------|--------------------------|
| Black | 205058 | R343-45 |
| Red | 20504X | R348-45 |

Ludwig Limited

865 Honeygot Lane
Stanmore, Middlesex
HA7 1AR

Tel: 020 8951 5484
Fax: 020 8905 6897
E-mail: sales@ludwig.ltd.uk

| | | |
|---|--------|-------|
| 1. <u>Stamp Ink Containing Oil</u> ERNST REINER GMBH & CO KG D-78115 Furtwangen PO Box 100 Tel.: 07723/657-0, fax: 0773/657 200 | Black | R 343 |
| | Red | R 348 |
| | Purple | R 320 |
| | Violet | R 322 |
| | Blue | R 332 |
| | Green | R 333 |
| | White | R 012 |

2. **Composition**

Chemical characterisation:

Preparation consisting of:

| |
|-------------|
| Pigments |
| Resins |
| Mineral oil |
| Plasticiser |

Dangerous Constituents

Not applicable

| <u>CAS no.</u> | <u>Designation as per EU-Directive (EINEC-No.)</u> | <u>Code letter</u> | <u>R sentences</u> ¹ |
|------------------------------|--|--------------------|---------------------------------|
| <u>Identification no(s).</u> | | | |

3. **Possible Dangers:**Designation of Danger

Not applicable

Particular Danger to Man and Environment

Not applicable

4. **First Aid Measures**After inhalationAfter contact with skin**If in contact with skin, wash off immediately with soap and copious quantities of water.**After contact with eyes**If in contact with eyes, flush thoroughly with water immediately and consult a doctor.**If swallowed**If swallowed, do not cause the patient to vomit. Obtain advice from a doctor immediately and show him/her the pack or this label.**5. **Measures for Fire-Fighting**Suitable Quenching Agents**Dry quenching agent, CO₂, foam**Unsuitable Quenching Agents**Strong jet of water**Special Dangers

Not applicable

6. **Measures If There Is An Accidental Spillage**Precautionary Measures for Personnel**The usual measures for handling chemicals should be taken**Measures for the Protection of the Environment**Do not allow to enter bodies of water, soil or sewer systems**

Process for cleaning/absorption

¹ Translator's note: Safety data sheets contain R-sentences and S-sentences which come from a list of predefined regulatory and safety sentences e.g. "Keep out of reach of children" etc.

Commercial name: Stamp ink containing oil**7. Handling and Storage**Handling /Technical MeasuresInstructions for safe handling**The usual measures for handling chemicals should be taken**Instructions on Fire and Explosion Precautions**Cool endangered containers with water**Storage/Technical MeasuresRequirements Imposed on Storage Areas and Containers**No special measures required**Non-Compatible Products**Not Applicable****8. Limits on Exposure and Protective Clothing for Personnel**Limits on Exposure

Constituent components which have limit values for the workplace which must be monitored.

Not Applicable

| CAS No. | Designation of material | Type Max workplace concentration | Value | Unit mg/m ³ |
|---------|-------------------------|-------------------------------------|-------|---------------------------|
| | | | | |

Protective Clothing for PersonnelGeneral Protective and Hygiene MeasuresRespiratory protection:**Not applicable**Hand protection:**Wear protective gloves if in intensive contact**Eye protection:**Wear protective goggles/face protection**Body protection:**Not applicable****9. Physical and Chemical Characteristics**

| | | | | |
|---|------------------------|-------|-----------------|----------------|
| Form | Liquid | 9.1.2 | Colour: various | |
| Odour | Slight | | Unit | |
| pH-value | Neutral | | | |
| <u>Boiling point</u> | From approx. 200 | | °C | |
| <u>Melting point</u> | | | | |
| <u>Decomposition temperature</u> | Approx. 300 | | °C | |
| <u>Flash point</u> | Approx. 150 | | °C | DIN 51758 |
| <u>Characteristics promoting fire</u> | | | | |
| <u>Vapour pressure</u> | Below 0.01 h Pa | | | |
| <u>Density</u> Approx. 0.95 g/cm ³ , white | 1.33 g/cm ³ | | | DIN 51757 |
| <u>Solubility in water</u> (Active ingredient) | Not soluble | | | |
| <u>Viscosity</u> | Approx. 60 sec | | | DIN 53211 4 mm |
| <u>Additional Data</u> | | | | |

10. Stability and ReactivityThermal Decomposition/Conditions to be Avoided**None if used correctly within the area of application**Dangerous Reactions**None if used correctly within the area of application**Substances to be Avoided

Not applicable

Dangerous Products of Decomposition**None if used correctly within the area of application**

Commercial name: Stamp ink containing oil

11. Toxicological InformationAcute ToxicityLocalised Effects/Primary Irritant EffectsOn the skin **Not applicable**On the eyes **Not applicable**Sensitisation **Not applicable**Experience with humans **Not applicable**Additional toxicological information:LD₅₀ oral (rat) > 2000 mg/kgFurther information**12. Ecological Information**General Data**Do not allow to enter bodies of water, soil or sewer systems**Degradability **Product is only partially biodegradable****13. Instructions on Disposal**Waste Code Number 55509Unused Product/ResidueRecommendation:**Comply with the stipulations of the legislation. Disposal in accordance with the regulations by burning in an incinerator**

Contaminated packaging

Recommendation:**Comply with the stipulations of the legislation****14. Information on Transportation**Transportation by land routes **Not a dangerous substance**

ADR/RID

GGVS/GGVE

Transportation by sea **Not a dangerous substance**

IMDG/GGVSea

UN no.

15. Regulations

Labelling in accordance with EU directives:

Danger designation for the products in accordance with dangerous goods order dated 16.09.1993No marking necessary

R-sentences

S-sentences

National regulations

Danger to Water Class

2 (manufacturer's own classification)

Miscellaneous Regulations

Category for peak limit:

Group for pregnancy:

Reabsorption through the skin

Order on dangerous fluids:

16. Miscellaneous:

This information only describes the safety requirements of the product/products and is based on the current status of our knowledge. It forms no guarantee of the characteristics of the product/products described within the meaning of the stipulations of the legislation on guarantees.