

Baldwins Ink Grounds

(TNL 17271-17291)

1. Identification of the substance/preparation and of the company/undertaking

Product name: Baldwins Ink Grounds
Product code: 17271, 17291
Relevant identified uses of the substance or mixture:
To be used as an etching ground for Intaglio printmaking.
Manufacturers details:
Company name: Trefeglwys Printmakers
Trefeglwys
Powys, SY17 5 PH
Tel: 01686 430623
Email: atb@aber.ac.uk
Contact Name: Andrew Baldwin

2. Hazards identification

2.1. Classification of the substance or mixture

The Mixtures, as mentioned in Section 16 are not classified as dangerous according to Directive 67/548/EEC and 1999/45/EC and their amendments.

2.2. Label elements:

Label in accordance with (EC) No. 1999/45

Signal word N/A

2.3. Other hazards

Hazards to human health: Can cause skin and eye irritation.
Contact with skin: Prolonged contact may cause irritation.
Contact with eyes: Direct contact can cause irritation.
Hazards to the environment: Not likely when professionally used.
Do not allow material to enter drains or waterways.

3. Composition/information on ingredients

3.1. Substances/Mixtures

Mixture of Organic and/or inorganic Pigments and Carbon Black; (Synthetic) Resins; Vegetable and/or Mineral Oils and additives.

3.2. Dangerous components

None.

Mineral Oils are not classified as dangerous according to Directive 67/548/EEC, Annex 1: note H, L or H, N.

3.3. Additional information

Explanation of Note H, L and H, N: see Section 16.

4. First aid measures

4.1. Description of first aid measures

Remove all contaminated clothing.

<u>Inhalation</u>	N/A
<u>Ingestion</u>	Wash out mouth. Do not stimulate vomiting. Seek medical attention.
<u>Skin content</u>	Wash with water and soap
<u>Eye contact</u>	Flush with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

N/A

4.3. Indication of any immediate medical attention and special treatment needed

N/A

5. Fire-fighting measures

5.1. Extinguishing media

Dry and foam agents, Carbon dioxide (CO₂), water mist.

Do not use water jet

5.2. Special hazards arising from the substance or mixture

Exposure to decomposition products can damage health.

May form heavy smoke when heated.

5.3. Advice for fire-fighters

No one other than trained fire fighters should attempt to fight fires. Special breathing equipment is preferable. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ventilate the area when using the product. Wear adequate hand gloves.

6.2. Environmental precautions:

Do not allow contaminated water run off to enter sewers, waterways or soak into ground, this is forbidden.

6.3. Methods and material for containment and cleaning up

Sweep or scrape up and collect the material into appropriate, labelled containers. Do not use solvents to clean up. Always use biodegradable cleaning agents, if necessary.

6.4. Reference to other sections

7. Handling and storage

7.1. Precautions for safe handling:

Wear protective clothing and equipment when handling the ink.

Avoid possible inhalation of vapours and/or ink mist when using on press.

Be sure of adequate ventilation.

Do not smoke or eat, when using the product.

Separate from possible sources of ignition.

Always keep used cleaning cloths with ink in a closed container. Self-ignition by oxidation in certain circumstances could occur although the chance is very small.

7.2. Conditions for safe storage, including any incompatibilities

Store fire safe the product in a cool, dry place.

Keep the product in it's original packaging and tightly closed.

8. Exposure controls/personal protection

8.1. Control parameters

Components with occupational exposure limits

DNEL: No data available

PNEC: No data available

8.2 Exposure controls:

Maintain general body hygiene. Take care of adequate (natural) ventilation. Use appropriate equipment to handle the ink (e.g. pump, spatula)

Personal protective equipment

Respiratory protection: No special attention, when adequate (natural) ventilation.

Hand protection: Synthetic handgloves.
Do not use non-fitting handgloves or latex handgloves.

Eye protection: Use of splash proof goggles is preferable.

Body protection: Wear protective clothing.

8.3 General safety and Hygiene measures:

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form	Paste
Colour	Red or Black
Odour	Mild
pH value:	(20°C) neutral
Viscosity:	(20°C) 200-1000 DPa.s
Boiling point (°C)	>250°C
Melting point (°C)	No data
Autoignition Temperature:	No data
Flash point	>125°C
Explosion limits:	No data
Vapour pressure (20°C)	<0.001 mbar
Density (20°C)	900-1100kg/m ³
Solubility in water (20°C)	not g/l

10. Stability and reactivity

10.1. Reactivity

No data

10.2. Chemical stability

No data

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Do not smoke or eat, when using the product.
Separate from possible sources of ignition.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Carbon oxides, metal and halogen components may be released on thermal decomposition.

11. Toxicological information

Acute toxicity

Oral LD₅₀- Value:

Irritation

Can cause skin and eye irritation
Prolonged contact may cause eczema.

Germ cell mutagenicity

67/548/EEG and 1999/45EC: No

Carcinogenicity

67/548/EEG and 1999/45EC: No

Reproductive toxicity

67/548/EEG and 1999/45EC: No

Developmental toxicity

67/548/EEG and 1999/45EC: No

12. Ecological information

12.1 Toxicity

Toxicity to fish: (LC₅₀): No data

Bacterial Toxicity (EC₅₀): No data

12.2. Persistence and degradability

No data

12.3. Bioaccumulative potential

No data

12.4. Mobility in soil

BCF: No data

Log P_{ow}: No data

12.5 Results of PBT and vPvB assessment

No data

12.6. Other adverse effects

No data

12.7. Additional information

See Section 9 for other properties.

13. Disposal considerations

13.1. Waste treatment methods

Only if necessary. Disposal of material to be carried out in accordance with local laws and regulations.

EURAL: 08 03 13: waste ink other than those mentioned I n08 03 12*

Threat to surface water: Germany (WGK): 1 (self rating)

14. Transport information

	Road ADR/RID	Sea IMO/IMDB	Air ICAO/IATA
UN Number			
Class			
Classification code			
Packing group			
Marine pollutant			
Proper shipping name			
Remark	Not classified	Not classified	Not classified

15. Regulatory information

Classification according to Directive 67/548/EEG and 1999/45EC:

R-PHRASE(S): -

S-PHRASE(S): -

LABELLING: -

16. Other information

Explanation:

Note H: The classification and label shown for this substance applies to the dangerous property(ies) indicated by the risk phrase(s) in combination with the category(ies) of danger shown. This note applies to certain coal—and oil-derived substances and to certain entries for groups of substances.

Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346. determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions-Dimethyl Sulphoxide extraction refractive index method, Institute of Petroleum, London.
This note applies only to certain complex oil-derived substances.

Note N: The classification as a carcinogen need not apply if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.
This note applies only to certain complex oil-derived substances.

Abbreviations:

DNEL: Derived No-Effect Level

PNEC: Predicted No-Effect Concentration

HMIS-RATING: (USA) Hazardous Materials Identification System

EURAL: European Waste List
08: Wastes from the manufacture, formation, supply and use (MFSU) of coating (paints, varnishes and vitreous enamels,) adhesives, sealants and printing inks.
08 03 13: waste ink other than those mentioned in 08 03 12*

NA: Not Applicable

NC: Not Classified

BCF: Bio Concentration Factor

Log P_{ow}: Ten base LOGartim of Octanol-Water Partition coefficient (Log P_{ow} > 3: Bioaccumulating)

WGK: (Duiesland) - Wasser Gefährdungsklasse
nwg = nichtwassergafährdend = Not Surface Water threat
1 = Slightly hazardous to surface water
2 = Hazardous to surface water
3 = Extremely hazardous to surface water

R-Phrase: Risk warnings

S-Phrase: Safety warnings

The information provided on this sheet is based on our knowledge of the product concerned at the date of issue. It is provided in good faith. Users should also bear in mind that risks may arise when a product is put to uses other than those for which it is destined.