



## TECHNICAL DATA

# METALFLO 1204

Graphite Based Grease

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### Description

ROCOL METALFLO 1204 is a dispersion of graphite in a non-melting grease.

ROCOL METALFLO 1204 is used for the lubrication of dies and pegs in hot brass and copper stamping where maximum resistance to heat is required. It is also used for the lubrication of bearings conducting electrical current on seam welding machines.

### Outstanding Features

- Provides good metal flow ensuring complete die filling
- Easily applied as a thin film
- Can be applied to very hot surfaces without running
- Minimal staining - easily removed by normal pickling processes

### Directions for use

ROCOL METALFLO 1204 should be applied, without dilution, by swab or brush directly to the die surface.

### Technical Data (typical values)

<i>Appearance:</i>	<i>Grey/black grease</i>
<i>Base fluid:</i>	<i>Mineral oil</i>
<i>Thickener:</i>	<i>Organically modified clay</i>
<i>Solid lubricant:</i>	<i>Graphite</i>
<i>NLGI No.:</i>	<i>2</i>
<i>Drop point:</i>	<i>Over 200°C</i>
<i>Storage:</i>	<i>Store at normal ambient temperature, 0°C to 40°C</i>

### ROCOL Lubricants

ROCOL House, Swillington, Leeds LS26 8BS, England.

Tel: 0113 232 2600 Fax: 0113 232 2760

ROCOL is a BS EN ISO 9001 registered company.

ROCOL is a trade mark of ITW inc

The information in this publication is based on our experience and reports from customers. There are many factors outside our control and knowledge which effect the use and performance of our products for which reason the information in this publication is given without responsibility

## Pack sizes and part codes

18kg part code 78374

## Health and Safety

Health and Safety information (COSHH, MSDS) is available from the Customer Service Department, ROCOL Lubricants., ROCOL House, Swillington, Leeds, LS26 8BS, England.

**Telephone:** 0113 232 2700, (When calling from outside UK: 44 113 232 2700).

**Fax:** 0113 232 2760, (When faxing from outside UK: 44 113 232 2760).

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Date: Nov-03

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**SAFETY DATA SHEET**  
METALFLO 1204

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Revision No: 1

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

**Product name:** METALFLO 1204  
**Product code:** 78374  
**Company name:** ROCOL Lubricants  
ROCOL House  
Swillington  
Leeds  
West Yorkshire  
LS26 8BS  
ENGLAND  
Tel: +44 (0) 113 232 2700  
Fax: +44 (0) 113 232 2740  
Emergency tel: +44 (0) 113 232 2600

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Hazardous ingredients:** DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC >60%  
EINECS: 265-155-0 CAS: 64742-52-5  
[-]

**3. HAZARDS IDENTIFICATION**

**Main hazards:** None

**4. FIRST AID MEASURES (SYMPTOMS)**

**Skin contact:** There may be mild irritation at the site of contact.  
**Eye contact:** There may be irritation and redness.  
**Ingestion:** There may be irritation of the throat.  
**Inhalation:** There may be coughing and a sore throat.

**4. FIRST AID MEASURES (ACTION)**

**Skin contact:** Wash immediately with plenty of soap and water.  
**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.  
**Ingestion:** Wash out mouth with water.  
**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Use water spray to cool containers. Suitable extinguishing media for the surrounding fire should be used.  
**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.  
**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details.  
**Environmental precautions:** Do not discharge into drains or rivers.  
**Clean-up procedures:** Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**7. HANDLING AND STORAGE**

**Handling requirements:** Avoid direct contact with the substance.  
**Storage conditions:** Store in cool, well ventilated area.  
**Suitable packaging:** Must only be kept in original packaging.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC  
TWA (8 hr exposure limit): 5mg/m<sup>3</sup> STEL (15 min exposure limit): 10mg/m<sup>3</sup> (OES)

[cont...]

**Respiratory protection:** Respiratory protection not normally required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses with side-shields.

**Skin protection:** Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Paste

**Colour:** Black

**Odour:** Characteristic odour

**Evaporation rate:** Negligible

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Insoluble

**Flash point°C:** > 100

**Autoflammability°C:** > 200

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat.

**Materials to avoid:** Strong oxidising agents. Strong reducing agents.

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

**11. TOXICOLOGICAL INFORMATION**

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

**Mobility:** Non-volatile. Absorbed only slowly into soil.

**Persistence and degradability:** Only slightly biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**13. DISPOSAL CONSIDERATIONS**

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION**

**ADR / RID**

**UN no:** -

**Shipping name:** "NOT SUBJECT TO ADR"

**IMDG / IMO**

**UN no:** -

**IATA / ICAO**

**UN no:** -

**15. REGULATORY INFORMATION**

**Hazard symbols:** No significant hazard.

**Risk phrases:** None

**Safety phrases:** None

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**Other information:** EC Directive 1999/45/EC relating to the classification, packaging and labelling of dangerous preparations. EC Directive 91/155/EEC defining the laying down and detailed arrangements for the system of specific information relating to dangerous preparations.

**Risk phrases used in s.2:** None

**SAFETY DATA SHEET**  
METALFLO 1204

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.