

# SAFETY DATA SHEET

Conforms to 93/112/EEC



## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

**PRODUCT NAME:** **Hocut 764**

**APPLICATION:** Supplied as a metal working lubricant/coolant for use in suitable industrial applications only. The product should be diluted with water to the recommended concentration.

**NAME OF MANUFACTURER/SUPPLIER:** **Houghton plc**

**ADDRESS:** Beacon Road  
Ashburton Road West  
Trafford Park  
Manchester M17 1AF

**TELEPHONE/FAX NUMBERS:** Business telephone no.: 0161-874 5000 Fax: 0161-877 9764

Health and Safety emergency telephone no.: 0161 877 6654 (out of hours only)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS.

**General:** Performance additives. Fungicide

<b>Hazardous:</b>		<b>%</b>
2(hydroxymethylamino) ethanol, Xn,Xi (R22,R36/38)		1-3
Alkanolamine salts of fatty acids, Xi (R36/38).		20-30

## 3. HAZARDS IDENTIFICATION.



Irritating to eyes and skin.  
Inhalation of mists or vapours may cause irritation.

#### **4. FIRST AID MEASURES.**

- Eyes:** Hold eyes open for at least 15 minutes under running water. If irritation persists, obtain medical attention.
- Skin:** Wash off neat product promptly with soap and water. Contact with diluted product should be washed as directed by good standards of industrial hygiene. Remove contaminated clothing and wash before re-use.
- Inhalation:** In extreme cases, remove from exposure. If patient is feeling ill, seek medical attention.
- Ingestion:** DO NOT INDUCE VOMITING. Give milk or water and obtain immediate medical attention showing this sheet.

**Pressure injection: OBTAIN IMMEDIATE MEDICAL ATTENTION EVEN IF THE INJURY APPEARS MINOR.**

#### **5. FIRE-FIGHTING MEASURES.**

- Suitable extinguishing media:** Dry chemical, CO<sub>2</sub>, foam, sand and water.
- Not to be used:** None anticipated.
- Special exposure hazards:** Combustible after evaporation of water.
- Products of Combustion:** Carbon dioxide, carbon monoxide,, nitrogen oxides and partially oxidised organic fragments of the product's main ingredients.
- Special protective equipment:** Self-contained breathing apparatus should be worn in fire conditions.

#### **6. ACCIDENTAL RELEASE MEASURES.**

- Personal precautions:** Avoid skin and eye contact with neat product. Wear suitable protective clothing. Spilt product presents a severe slip hazard.
- Environmental precautions:** Do not allow the spillage to enter sewers, rivers or open water.
- Methods for cleaning up:** Contain and absorb with inert material. Shovel to disposal. Do not allow the area to remain slippery with product residues.

## **7. HANDLING AND STORAGE.**

**Handling precautions:** Provide suitable mechanical equipment for the safe handling of drums.  
Handle and open container with care. Avoid contact with skin and eyes.

**Storage precautions:** Cool dry area not subject to the extremes of temperature, 4-30°C.  
Keep in tightly closed, clearly labelled containers

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION.**

**Occupational exposure limits:** 2-aminoethanol X<sub>n</sub> (R20,36/37/38), OES 7.6mgm<sup>-3</sup>/3ppm (8-hour) & 15mgm<sup>-3</sup>/6ppm (15-min) (reacted)

**Eyes:** Goggles must be worn when handling the neat material and when splashing of the diluted material is likely.

**Skin:** Gloves are essential where contact with the neat material occurs. The use of gloves or suitable barrier creams is also recommended where prolonged or repeated contact with the diluted product is inevitable.

**Inhalation:** Local exhaust ventilation is recommended when excessive product misting occurs.

**Industrial Hygiene:** Good standards of industrial hygiene together with the use of moisturising creams are recommended for use of the diluted product. Effective concentration control systems are required to ensure good skin condition in the user of the emulsion.

## **9. PHYSICAL AND CHEMICAL PROPERTIES.**

<b>Physical Form:</b>	Liquid.	<b>Appearance:</b>	Clear, Amber.
<b>Odour:</b>	Slight amine	<b>Specific Gravity (@15.5°C):</b>	1.08
<b>Pour Point (°C):</b>	<0	<b>Boiling Point (°C):</b>	>100
<b>pH - concentrate:</b>	N/A	<b>pH - working strength:</b>	9.3 @ 5%.
<b>Vapour Pressure (kPa):</b>	<Water.	<b>Vapour Density (air=1):</b>	>Air.
<b>Miscibility with water:</b>	Emulsifiable.	<b>Evaporation Rate (nBuAc=1):</b>	<Water.
<b>Viscosity cS.:</b>		<b>Autoflammability, °C:</b>	Not determined.
<b>Flash Point ( °C, Open Cup):</b>	>100 after evaporation of water.		
<b>Explosive properties %:</b>	Not determined.		

The data given here is typical for this material. It does not constitute a specification.

## **10. STABILITY AND REACTIVITY.**

<b>Chemical stability:</b>	The product is stable and not subject to polymerisation
<b>Conditions to avoid:</b>	Avoid overheating.
<b>Materials to avoid:</b>	Avoid strong oxidising agents.
<b>Hazardous decomposition products:</b>	None anticipated.

## **11. TOXICOLOGICAL INFORMATION.**

The following toxicological assessment is based on a knowledge of the toxicity of the product's components.

### **Health Effects:**

<b>Eyes:</b>	Irritating to eyes.(Concentrate)
<b>Skin:</b>	Irritating to skin.(Concentrate )
<b>Inhalation:</b>	Inhalation of mists may cause irritation.
<b>Ingestion:</b>	Ingestion of large quantities may cause nausea and sickness. The subsequent inhalation of vomit may lead to lung damage.
<b>Chronic:</b>	Frequent and prolonged contact may lead to skin disorders.
<b>Special hazards of product after use:</b>	Product may become contaminated with hazardous metals depending upon conditions of use. These may introduce an increased risk to health via allergic skin reaction or exposure to excessive mist.
<b>Pressure injection:</b>	Injection of all products will cause severe internal damage if not promptly treated.

## **12. ECOLOGICAL INFORMATION.**

<b>Mobility:</b>	Mobile liquid, involatile, miscible with water.
<b>Persistence and degradability:</b>	Product expected to biodegrade and not to persist.
<b>Bioaccumulative potential:</b>	This material is unlikely to bioaccumulate.
<b>Ecotoxicity:</b>	If released to water, the product may deplete the oxygen supply to some organisms.

### **13. DISPOSAL CONSIDERATIONS.**

**Disposal must be in accordance with local and national legislation.**

**Unused material:** The product should be removed by approved waste contractors.

**Used material:** The diluted product may be split by chemical methods or by reverse osmosis. Alternatively the product may be removed by an approved waste contractor. .

**Empty packaging:** 205 litre unlined steel drums may be returned for recycling. All other packaging should be disposed of in a manner acceptable to the authorities.

The container may contain combustible residues.

### **14. TRANSPORT INFORMATION.**

**Classification for transport:** Not classified.

**UN number:** Not applicable.

**Packing group:** Not applicable.

**IMO Class:** Not applicable.

**ICAO/IATA Class:** Not applicable.

**ADR/RID Class:** Not applicable.

**Marine pollutant:** No.

### **15. REGULATORY INFORMATION.**

**Classification for Supply:** Irritant.

**Risk phrases:** Irritating to eyes and skin

**Safety phrases:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. Wear suitable gloves and eye/face protection.

**Note:** The above classification applies to the undiluted product as supplied. It does not necessarily apply when the product is diluted for use at the correct operating strength.

**Statutory Instruments:** The Health and Safety at Work etc. Act 1974.  
Control of Substances Hazardous to Health Regulations 1999.  
Environmental Protection Act 1990.  
Chemicals (Hazard Information and Packaging) Regulations 1994 (As amended).

## **16. OTHER INFORMATION.**

Note: where this product is used in applications other than those specified either here or in writing from Houghton plc we can accept no responsibility for loss or damage incurred.

Where applicable, concentration control methods are available on request.

Detailed formulations are available to medical officers and their advisors in confidence only on written request.

If the Issue No. is a Revision, then the important changes to the SDS are highlighted by "++++".

### **The following references provide further information on specific aspects:**

EH 26 - Occupational Skin Diseases: Health and Safety Precautions.

EH 40 - Occupational Exposure Limits

EH 62 - Metalworking Fluids - Health Precautions.

EH 58 - The Carcinogenicity of Mineral Oils

MS(B)5 - Skin Cancer caused by Oil.

MS(B)6 - Save Your Skin! - Occupational Contact Dermatitis.

SHW 367 - Dermatitis - Cautionary Notice.

SHW 397 - Effects of Mineral Oil on the Skin.

MS 24 - Health surveillance of occupational skin disease.

IND(G)165(L)-Health surveillance programmes for employees exposed to metalworking fluids.

IND(G)167(L)-Health risks from metalworking fluids.

IND(G)168(L)-Management of metalworking fluids.

IND(G)169(L)-Metalworking fluids.

Engineering Sheet No.14-Skin creams and skin protection in the engineering sector.

**The above publications are available from HSE.**

SDS preparation date: 19/05/98