



OAK INDUSTRIAL SUPPLIES

“THE INDUSTRIAL SUPPLIES PEOPLE”

HEALTH & SAFETY DATA SHEET

SHEET 1 OF 5 979-1 LAST REVISION DATE: 9th February 2004

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY.

NAME OF SUPPLIER: Oak Industrial Supplies

ADDRESS: Hamilton Road
Sutton-in-Ashfield
Nottinghamshire
NG17 7JT

BUSINESS TELEPHONE NO: 01623 442222

FAX: 01623 441234

**HEALTH AND SAFETY EMERGENCY
TELEPHONE NO (OUT OF HOURS):** 01484 713 201

PRODUCT NAME: **Hexol SY979 Mould Oil**

PRODUCT TYPE: Fully synthetic emulsifiable mould oil.

2. COMPOSITION/INFORMATION ON INGREDIENTS.

General: This product is a mixture of nitrite-free corrosion inhibitors and microbe control agents.

Hazardous Ingredients:	CAS No:	Classification:	%wt:	Exposure Limits:
Ethanolamine	141-43-5	Xn; R20, 36/38/38	<5	TWA 3ppm 7.6 mg/m ³

3. HAZARDS IDENTIFICATION.

Health and Safety: Eye contact with undiluted product may cause irritation, there may be potential to cause corneal injury if treatment is not prompt. The undiluted product may be irritating to the skin, especially if the material is not removed promptly.

Environmental: This product is readily biodegradable.

Special Hazards After Use: During use as a metalworking fluid it may become contaminated with metal particles and metal salts. These may increase the irritant nature of some emulsions and in odd cases (eg contamination by chromium, cobalt and nickel) may be capable of inducing allergic skin reactions.

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4. FIRST AID MEASURES.

Eyes: Immediately wash eye thoroughly with plenty of clean water. For contact with undiluted fluid, obtain prompt medical attention. For contact with diluted fluid, obtain medical attention if irritation persists.

Skin: Following contact with undiluted product, wash thoroughly with soap and water without delay. Remove heavily contaminated clothing before re-use. If irritation persists, obtain medical advice.

Ingestion: DO NOT INDUCE VOMITING. Wash out mouth with water and obtain medical attention. Treat symptomatically. If aspiration is suspected, obtain immediate medical attention.

Pressure Injection: Always obtain immediate medical attention.

5. FIRE FIGHTING MEASURES

Flammability: May support combustion in serious fire.

Extinguishing Media: Foam, dry powder, CO₂, sand or earth.

6. ACCIDENTAL RELEASE MEASURES.

Always prevent entry to drains or watercourses. Spillages can be slippery.

Small Spills: Soak in absorbent granules or sand.

Large Spills: Bund using absorbent granules, sand or earth and reclaim bulk liquid.

Disposal of Spillage: Via an authorised/licensed waste disposal contractor. Disposal must be in accordance with local regulations and the Environmental Protection Act 1990.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes with undiluted product, by wearing goggles or face mask and oil impervious gloves.

Storage: Store in dry conditions between 0 and 40°C.

8. EXPOSURE CONTROL/PERSONAL PROTECTION.

Exposure Limits: The product does not have an established Occupational Exposure Standard (OES) or Maximum Exposure Limit (MEL). However it contains components which have an individual OES.(see section 2).

Eyes: Wear goggles or face mask when handling undiluted product.

Skin: Wear impervious gloves when handling undiluted product. Prolonged or repeated contact with diluted metalworking fluid solutions is often unavoidable. In such circumstances, the use of barrier and after work creams maybe beneficial. Change heavily contaminated clothing and overalls as soon as possible.

Inhalation: Respiratory protection is not normally required.

Industrial Hygiene: Wash hands after use, before eating, drinking or smoking and before and after using the toilet.

PRODUCT NAME: Hexol SY 979.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Appearance:	Fluorescent fluid
Odour:	Mild
Specific Gravity @ 15°C:	1.12
Solubility In Water:	Miscible
Flash Point:	> 100°C
Boiling Point:	> 100°C
Melting Point (°C):	< 0
Viscosity @ 40°C mm ² /s:	50 - 100

10. STABILITY AND REACTIVITY.

Stability: This product is stable and unlikely to react in a hazardous manner under normal conditions of use.

Conditions to Avoid: Extremes of temperature. Store between 0 and 40°C.

Materials to Avoid: Strong oxidising agents.

Decomposition Products: Thermal decomposition can produce various compounds, depending on the conditions in which decomposition took place. Depending on the temperature and the level of oxygen available products of decomposition may be carbon, oxides of sulphur, carbon and nitrogen, partially oxidised organic compounds, water and other unidentifiable organic and inorganic compounds.

11. TOXICOLOGICAL INFORMATION.

Eyes: Eye contact with undiluted product may cause strong irritation and stinging. There may be a potential to cause corneal injury if treatment is not prompt. Dilute solutions are expected to cause only slight transient irritation or redness.

Skin: The diluted in occasional skin contact is unlikely to cause any significant reaction. Prolonged contact with undiluted product may cause defatting of skin barrier, leading to cracking and soreness.

Inhalation: The product is unlikely to present any significant hazard at ambient temperatures. High temperatures or atomising systems may lead to generation of vapours, mists or fumes which could cause irritation to eyes and respiratory tract. Repeated excessive exposure to oil mists may cause respiratory damage and a condition resembling pneumonia.

Ingestion: The product has a low order of oral toxicity, ingestion is not regarded as a significant health hazard likely to arise in normal use.

Aspiration: Aspiration into the lungs caused by vomiting following ingestion can be hazardous with possible resultant chemically induced pneumonia.

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12. ECOLOGICAL INFORMATION.

Water: This product is readily biodegradable. The components are not expected to be highly toxic to aquatic life. If released to water, the product may deplete the oxygen supply to bottom dwelling organisms. Nitrosamines may be formed with the nitrogen content in the water or in the presence of nitrites.

Soil: Small quantities will be absorbed in the upper soil layers where biodegradation may take place. When biodegraded the product will form borate salts which are naturally occurring in soil and sea, but may be phytotoxic to some micro-organisms.

13. DISPOSAL CONSIDERATIONS.

All means of disposal should comply with local regulations and the Environmental Protection Act 1990. Dispose of product and containers carefully and responsibly. Do not allow product to contaminate ponds, water courses, soil or drains. Do not dispose of undiluted product or untreated solutions down the drains.

Undiluted Product: The product may be incinerated in suitable equipment and under controlled conditions. Alternatively the product can be disposed of via a licensed waste disposal contractor.

Diluted Fluid: Dispose of via a licensed waste disposal contractor. It should not be discharged into sewage system without the approval of the appropriate local authority and without checking for compliance with issued consent conditions. Further treatment may be required.

14. TRANSPORT INFORMATION.

Classification: NOT CLASSIFIED AS HAZARDOUS FOR TRANSPORT

15. REGULATORY INFORMATION.

Classification: Xi Irritant.

Risk Phrases: R36/38 Irritating to eyes and skin.

Safety Phrases: S24 / 25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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16. OTHER INFORMATION.

- (1) Solutions should be maintained at recommended concentration in order to minimise any health hazards.
- (2) Minimise tramp oil and other contamination, remove metallic swarf or other debris from machine at frequent intervals.
- (3) During machining, emulsions may become contaminated with certain metals which are present in the workpieces or tools. These may solubilise in the emulsions. Some of these contaminants, such as chromium, nickel or cobalt may induce allergic reactions.

4th October 2000

Revised: 9th February 2004. All sections.