



OAK INDUSTRIAL SUPPLIES

"THE INDUSTRIAL SUPPLIES PEOPLE"

HAMILTON ROAD SUTTON IN ASHFIELD

NOTTINGHAMSHIRE NG17 5LN

TELEPHONE 01623 442222 FAX 01623 441234

HEALTH & SAFETY DATA SHEET

Last Revision Date 26th July 2000

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY.

Product Name: Oak System Cleaner One

Name Of Supplier: Oak Industrial Supplies
Hamilton Road
Sutton in Ashfield
Nottinghamshire
NG17 5LN

Business Tel No: 01623 442222

Product Name: Oak System One

2. COMPOSITION/INFORMATION ON INGREDIENTS.

General: This product is a hydroxy-triazine biocide.

Hexahydro - 1,3,5 - tris - (hydroxy ethyl) - s - triazine

R38 80 - 100%

Xi: R36 /

3. HAZARDOUS IDENTIFICATION.

Health & Safety Hazards: 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 Hazards: The product is readily biodegradable.

Special Hazards Of Product In Use: During use as a metal working 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 reaction.

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 or redness persists.

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



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Inhalation: For effects produce by overexposure, move to fresh air.

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 into 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 authorised waste disposal contractor. Disposal must be in accordance with the Environmental Protection Act 1990.

7. HANDLING AND STORAGE.

Handling: Avoid contact with the 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 Limits: The product does not have an established Occupational Exposure Standard (OES) or Maximum Exposure Limit (MEL)

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

Skin: Wear impervious gloves when handling the undiluted product. Change contaminated clothing and overalls immediately.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Appearance: Straw Liquid

Odour: Mild

Specific Gravity @ 15 C: 1.16

Solubility In Water: Miscible



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| | |
|----------------------------|-------------------|
| Flash Point: | >100 C |
| PH: | 10.0 - 10.5 at 5% |
| Melting Point: (C): | <0 |

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). Protect frost.

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 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 irritation and stinging. There may be a potential to cause corneal injury if treatment is not prompt. Dilute solution are expected to cause only slight transient irritation or redness.

Skin: The Undiluted product 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 to 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.

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

12. ECOLOGICAL INFORMATION.

Water: This product is readily biodegradable.

Soil: Small quantities will be absorbed in the upper soil layers where biodegradation may take place.

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 or untreated emulsion down the drains.



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

Diluted product: Dispose of via an authorised person/licensed waste disposal contractor. It should not be discharged into sewage systems 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.

Not classified as dangerous for conveyance.

15. REGULATORY INFORMATION.

EEC Classification: Xi - Skin and Eye 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.

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

16. OTHER INFORMATION.

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

Legal Disclaimer: The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specification of the product. The user must satisfy himself that the product is entirely suitable for his purpose.