



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

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Identification Of The Substance And Supplier

Product Name: **Oakool A.S.**

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

Business Tel No: 01623 442222

Product Discription: A high performance water diluted product which is chlorine and phenol free. The resultant mix is a microfine emulsion which is suitable for all difficult operations over a wide range of metallurgies.

Application: To be used in diluted form at a typical working strength of 20:1 but may be used up to 15% where the application requires an increased strength.

Composition/Information Of Ingredients.

Chemical nature of the substance or preparation:

Product is a mixture of:

Mineral Oil

Water

Esters

Soaps

Additives

Hazards Identification.

Xi Irritant

Information pertaining to particular dangers for man and environment:

R43 May cause sensitisation by skin contact. Could release formaldehyde.

Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplying companies.



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First Aid Measures.

Eyes: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

Skin: Instantly wash with water and soap and rinse thoroughly.

Inhalation: Supply fresh air and call for doctor for safety reasons. In case of unconsciousness bring patient into stable side position for transport.

After swallowing: DO NOT INDUCE VOMITING, seek medical advice.

Fire Fighting Measures.

Suitable extinguishing media: Water haze, Foam, BC Powder, ABC Powder, Carbon Dioxide, Sand.

Extinguishing media which must not be used for safety reasons: Water with a full water jet.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: Nitrogen oxide, Carbon monoxide, Formaldehyde, Sulphur Oxides. Under certain fire conditions, traces of other toxic gases cannot be excluded.

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus. Wear full protective suit.

Accidental Release Measures.

Personal Precautions Such As: Prevent Skin and eye contact.

Environmental Precautions Such As: Prevent material from reaching sewage system, holes and cellars. Do not allow to enter drainage systems, surface or ground water.

Methods for cleaning up such as: Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Dispose of contaminated material as waste according to section on Disposal Considerations.

Handling And Storage.

Handling:

Information for safe handling: Wash hands before work breaks and at the end of working. Take off contaminated clothing.

Information about protection against explosions and fires: No special measures required.

Storage:

Requirements to be met by storerooms and containers: No special requirements.

Information about storage in one common storage facility: Storage temperature 4 - 35 °C



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Exposure Controls/Personal Protection.

Components with limit values that require monitoring at the workplace:

Mineral Oil - Lable Free

MAC: Short-term value: 5mg/m³
Long-term value: 5mg/m³

Butyldiglycol

MAC: Short-term value: 100mg/m³
Long-term value: 100mg/m³

Additional information

The lists with limits values that were valid during the compilation of this material safety data sheet were used as basis.

Personal protective equipment:

General protective and hygienic measures: Take off immediately all contaminated clothing. Wash hand during breaks and at the end of the work.

Respiratory equipment: Not necessary if the room is well ventilated.

Hand protection: Protective gloves.

Eye protection: Safety glasses.

Skin protection: Protective work clothing.

Physical And Chemical Properties.

| | |
|-----------------------------|------------------------------------|
| Appearance: | Fluid |
| Odour: | Characteristic |
| Colour: | Amber |
| Melting point: | < 4 °C |
| Boiling point: | 100 °C |
| Flash point: | N/A |
| Relative density: | at 30 °C - 0.965 g/cm ³ |
| Solubility in water: | Emulsifiable |
| pH value: | at 20 °C - 9.9 |
| Viscosity kinematic: | at 40 °C - 70 mm ² /S |

Stability And Reactivity.

Conditions to avoid: At normal use no circumstances to avoid.

Materials to avoid: At normal use no substance to avoid.

Dangerous reactions: At normal use no dangerous reactions.

Hazardous decomposition products: At normal use no hazardous decomposition products.



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Toxicological Information

Ingestion: Unknown

Inhalation: Unknown

Skin Contact: Irritation may occur after prolonged contact.

Eye Contact: Unknown

Sensitisation: Sensitisation possible by skin contact.

Additional toxicological information: The product shows the following dangers according to the calculation method of the general EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

Ecological Information.

Persistence and degradability: Not determined.

Behaviour in environmental system: Not determined.

Mobility and bioaccumulation potential: Not determined.

Ecotoxicological effects: Not determined.

Behaviour in sewage processing plants: Not determined.

General notes: Do not allow product to reach ground water, water bodies or sewage system. Danger to drinking water if even small quantities leak into soil.

Disposal Considerations.

Product:

Disposal recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated under adherence to official regulations.

Uncleaned packages:

Disposal recommendation: Disposal must be made according to official regulations.

Recommended cleaning agent: Water, if necessary with cleaning agent.

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Disposal recommendation: Disposal must be made according to official regulations.

Recommended cleaning agent: Water, if necessary with cleaning agent.

Transport Information.

NOT CLASSIFIED AS DANGEROUS FOR TRANSPORT.



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Regulatory Information.

Classification according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives.

Symbol and hazard classification of product: Xi Irritant.

Hazard-determining components of labeling: Triazine Derivative.

Risk phrases: R43 May cause sensitization by skin contact.

Safety phrases: S24 Avoid contact with skin. S37 Wear suitable gloves.

Other Information.

The information relates only to the specific materials designated herewith and may not be valid for this material when used in conjunction with any other materials or in any other process.

29th September 1999