



SAFETY DATA SHEET

KITTIWAKE REAGENT B / WATER IN OIL TEST REAGENT

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Issued: 23/03/2005

Revision No: 1

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

Product name: KITTIWAKE REAGENT B / WATER IN OIL TEST REAGENT

Product code: AS-K10114-KW

Use of substance / preparation: Dangerous when wet

Company name: Kittiwake

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2. HAZARDS IDENTIFICATION

Main hazards: Contact with water liberates extremely flammable gases. Harmful by inhalation, in contact with skin and if swallowed.

Other hazards: Reacts violently with water. Hygroscopic: readily absorbs water from air.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Contains: CALCIUM HYDRIDE > 90%

Solvent <5%

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Irritation or pain may occur at the site of contact.

Eye contact: There may be irritation and redness. Corneal burns may occur.

Ingestion: Corrosive burns may appear around the lips. Nausea and stomach pain may occur. There may be vomiting and diarrhoea. There may be loss of consciousness. Convulsions may occur.

Inhalation: Absorption through the lungs can occur causing symptoms similar to those of ingestion. Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. Convulsions may occur.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If

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unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Dry chemical powder. Do not use water.

Exposure hazards: Highly flammable. Vapour may travel considerable distance to source of ignition and flash back.

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: Eliminate all sources of ignition. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Notify the police and fire brigade immediately. Do not create dust. Evacuate the area immediately. May produce vapour/mists in the event of a spillage

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Take all measures to minimise contact with water. Do not use equipment in clean-up procedure which may produce sparks. The fire brigade must be present at any clean-up operation of larger spills. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is exhaust ventilation of the area. Smoking is forbidden. Avoid the formation or spread of dust in the air. Use non-sparking tools. Prevent contact with water.

Storage conditions: Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Ensure lighting and electrical equipment are not a source of ignition. Avoid contact with water or humidity.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure there is exhaust ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety goggles.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

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9. PHYSICAL AND CHEMICAL PROPERTIES**State:** Powder**Colour:** Grey**Odour:** Odourless**Oxidising:** Non-oxidising (by EC criteria)**Solubility in water:** Reacts with water.**Melting point/range°C:** 675**10. STABILITY AND REACTIVITY****Stability:** Unstable.**Conditions to avoid:** Sources of ignition. Moist air. Humidity.**Materials to avoid:** Water. Oxidising agents. Reducing agents. Strong acids.**Haz. decomp. products:** Contact with water liberates extremely flammable gases.**11. TOXICOLOGICAL INFORMATION****Chronic toxicity:** Danger of serious damage to health by prolonged exposure through inhalation. Danger of serious damage to health by prolonged exposure if swallowed.**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.**12. ECOLOGICAL INFORMATION****Mobility:** Insoluble in water. Final destination of reacted products is soil / sediment.**Persistence and degradability:** Biodegradable.**Bioaccumulative potential:** No bioaccumulation potential.**13. DISPOSAL CONSIDERATIONS****Disposal operations:** D10 Incineration on land.**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:** 1404**ADR Class:** 4.3**Packing group:** I**Classification code:** W2**Shipping name:** CALCIUM HYDRIDE**Labelling:** 4.3

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IMDG / IMO

UN no: 1404 **Class:** 4.3
Packing group: I **EmS:** F-G,S-O
Marine pollutant: NO
Labelling: 4.3

IATA / ICAO

UN no: 1404 **Class:** 4.3
Packing group: I
Packing instructions: FORBIDDEN(P&CA); 412
Labelling: 4.3

15. REGULATORY INFORMATION

Hazard symbols: Highly flammable.



Risk phrases: R15: Contact with water liberates extremely flammable gases.
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

Safety phrases: S7/8: Keep container tightly closed and dry.
S24/25: Avoid contact with skin and eyes.
S22: Do not breathe dust.
S36/37: Wear suitable protective clothing and gloves.
S60: This material and its container must be disposed of as hazardous waste.

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: Amended by Scaffell Organics

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.