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# Material Safety Data Sheet

## FUELSTAT® Extraction Buffer

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Identification of substance/preparation:** Sample Extraction Buffer

**Application:** The test kit consists of an extraction buffer in a bottle for the extraction of microorganisms from hydrocarbon liquids. For specific application advice, consult your Conidia Bioscience representative.

#### Company Identification

Conidia Bioscience Ltd  
Bakeham Lane,  
Egham, Surrey, TW20 9TY

#### Emergency telephone number

**Tel:** +44 (0) 1491 829107 (Office hours only)  
**Tel:** +44 (0) 7740 638052 (Out of office hours)

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical composition:** A mixture of non-harmful salts in water coloured by a harmless food dye. Preserved using ProClin 950 used at 0.06% which is classified as non-harmful at these concentrations. The active ingredient of ProClin 950 is 2-Methyl-4-isothiazolin-3-one (MIT) (CAS-No: 2682-20-4) at 9.5-9.9% solution.

**Hazardous components:** No component is present at sufficient concentration to require a hazardous classification.

### SECTION 3: HAZARDOUS IDENTIFICATION

**Unused extraction buffer:** This material is not considered to be hazardous, but should be handled in accordance with good laboratory practices.

**Used extraction buffer:** Used buffer will contain a fuel sample that will have the following hazards:

- harmful by inhalation or ingestion.
- irritating to eyes and skin.
- may cause infection by ingestion, inhalation, contact with eyes
- may cause an allergic response by ingestion, inhalation, contact with skin, contact with eyes.

The safety data sheet for the fuel being tested should be read to identify its hazards and ensure appropriate precautions are taken.

## SECTION 4: FIRST-AID MEASURES

### Unused extraction buffer:

**Eyes:** Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain any medical advice if any pain develops or persists.

**Skin:** Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.

**Ingestion:** Except as a deliberate act, the ingestion of product is unlikely. If it should occur, do not induce vomiting, obtain medical advice. If contamination of the mouth occurs, wash out thoroughly with water.

**Inhalation:** Unlikely to be an inhalation in normal use.

## SECTION 5: FIRE-FIGHTING MEASURES

Under normal conditions the product will not support combustion.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Spillage is unlikely to occur unless the closure dispenser cap is accidentally removed. Wear suitable protective gloves.

**Unused extraction buffer:** Contain and recover spilled material using a suitable inert absorbent material. Spilled material may make surface slippery.

**Used extract buffer:** Cover with disinfectant powder or strong disinfectant. Dispose after allowing to soak for 10 minutes. Wear protective clothing.

## SECTION 7: HANDLING AND STORAGE

### Handling Precautions:

- Wear protective gloves
- When adding sample to test, ensure that good handling procedures are followed to avoid spillage and to ensure only the extraction buffer is applied on to test.
- Do not contaminate clothing or body with sample. Avoid contact with eyes and skin.
- Wash hands thoroughly after contact. Whilst using, do not eat, drink or smoke.

**Fire Prevention:** This product does not support combustion.

**Storage Conditions Unused kit:** Store at 10°C to 30°C and preferably dry. To avoid deterioration at higher ambient temperatures kit may be stored in a refrigerator. Keep container tightly closed when not in use.

**Used kit:** As above.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limits:** There is no appropriate occupational exposure limit for this material. Ensure good ventilation. Avoid inhalation of sample that may be accidentally released or when disposing of used bottle.

**Protective Clothing:** Wear protective gloves and protective clothing recommended locally for handling fuel.

**Respiratory Protection:** The use of respiratory equipment must be strictly in accordance with manufacturers' instructions and any statutory requirements governing its selection and use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** extraction buffer in plastic bottle

**Colour:** blue solution

**Odour:** odourless

**pH:** 7.4

**Solubility in water:** miscible

## SECTION 10: STABILITY AND REACTIVITY

Stable and unlikely to react in a hazardous manner under normal conditions of use.

**Hazardous Decomposition:** Will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Unused extraction buffer:**

**Eyes:** Unlikely to cause more than transient stinging if accidental eye contact occurs.

**Skin:** Unlikely to cause harm to the skin on brief or occasional contact but may be harmful if repeatedly exposed.

**Ingestion:** Unlikely to cause harm if accidentally swallowed in small doses though larger quantities may cause nausea and diarrhoea.

**Inhalation:** Product is of low volatility therefore unlikely to present an inhalation hazard.

**Used extraction buffer:** May cause irritation, infection and allergic response when in contact with eyes and skin due to the presence of hydrocarbon liquids. May have a similar effect if accidentally ingested or inhaled due to the presence of hydrocarbon liquids.

## SECTION 12: ECOLOGICAL INFORMATION

The material is readily biodegradable.

No evidence of bioaccumulation occurring.

Unlikely to be harmful to aquatic organisms.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Unused extraction buffer:** Dispose of through licensed waste disposal contractor in accordance with local regulations.

**Used extraction buffer:** Treat as fuel and dispose of in accordance with local regulations.

## SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

## SECTION 15: REGULATORY INFORMATION

Not classified as hazardous for supply.

## SECTION 16: OTHER INFORMATION

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.