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MATERIAL SAFETY DATA SHEET

FUELSTAT[®] resinae, FUELSTAT[®] resinae PLUS and Diesel Devices

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

Identification of substance/preparation

FUELSTAT[®] resinae, FUELSTAT[®] resinae PLUS and Diesel Test Kits

Application

Test kit consisting of boxed strips for detecting contamination of hydrocarbon liquids by microorganisms. The test must never be used to test samples from the human body or from animals. For specific application advice, consult your Conidia Bioscience representative.

Company Identification

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Emergency Telephone Number

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Out of office hours

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2. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Composition

Nitrocellulose/ Cellulose
Adsorbent Paper Pad
Paper Sample Pad
Backing Strip
Salts
Colloidal Gold
Antibody Reagents
Polyester Conjugate Pad
Silica Desiccant Bag
Plastic Box
Foil Bag

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Hazardous Components

Combustible nitrocellulose membrane (25mm x 5mm).

Silica Desiccant harmful.

3. HAZARDS IDENTIFICATION

Unused test kit:

Combustible Solid. This material should be handled in accordance with good industrial safety practices. Must be protected from direct sunlight and stored away from all sources of heat. Not self reactive.

Used test kit

Combustible solids. Used test kit will only contain test sample. The material should be handled in accordance with good industrial safety practices.

Silica Desiccant

This material should be handled in accordance with good industrial safety practices. Harmful by inhalation, irritating to eyes and respiratory system. Target organs: lungs.

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

4. FIRST – AID MEASURES

Unused test strip

Skin: Repeated or prolonged contact of nitrocellulose membrane with skin may cause dry or cracked skin.

Eyes: Although it is unlikely to occur eye contact may cause irritation and burns

Ingestion: Although it is unlikely to occur, ingestion may cause digestive tract irritation, central nervous system depression and kidney damage.

Inhalation: This product is not considered to represent an inhalation hazard.

Target Organs: Kidneys, central nervous system.

Medical Conditions Aggravated by Exposure: No information available.

Silica Desiccant

Skin: In case of contact, immediately wash skin with soap and copious amounts of water.

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Eyes: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Target Organs: Central nervous system, lungs, gastrointestinal tract, tumorigenic.

5. FIRE-FIGHTING MEASURES

Nitrocellulose Strip

Fire and Explosion Hazards: Combustible solid that tends to self-extinguish when ignited.

Extinguishing Media: Regular dry chemical, sand, earth, regular foam, water.

Fire fighting protective equipment; a self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

Silica Desiccant

Non-combustible. Use fire-fighting media appropriate to surrounding fire conditions. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. HANDLING AND STORAGE

When adding the sample to the test it is important that good handling procedures are followed. Whilst using do not eat, drink or smoke.

Fire Prevention

Keep test away from sources of heat or ignition and separated from incompatible substances. Must be protected from direct sunlight, stored in a well ventilated area. Not self reactive.

7. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Wear appropriate chemical resistant, impervious gloves and protective clothing to prevent skin contact. Respirator use is not required for nitrocellulose strip.

Silica gel requires chemical safety goggles, chemical-resistant gloves, respirator use, safety shower and eye bath. Avoid contact and inhalation.

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8. PHYSICAL AND CHEMICAL PROPERTIES

Nitrocellulose

Physical state: White solid with backing

Colour: White

Odour: Not available

pH: Not applicable

Solubility in water: Insoluble

Melting point: Decomposes

Silica Desiccant

Physical state: Solid

Colour: Opaque

Odour: Not available

pH: Not applicable

Solubility in water: Insoluble

Melting point: Decomposes

9. STABILITY AND REACTIVITY

Nitrocellulose

Stable at normal temperatures and pressure. Avoid temperatures above 55°C, flames, sparks, other sources of ignition and contact with incompatible materials. Hazardous polymerisation will not occur. Incompatible with oxidising agents. Hazardous decomposition products include aromatic gases and oxides of carbon and nitrogen.

Silica Desiccant

Hazardous combustion or decomposition products. Nature of decomposition products not known.

10. TOXICOLOGICAL INFORMATION

Nitrocellulose

Possible skin, eye and mucous membrane irritation.

Silica Gel

Harmful by inhalation, irritating to eyes and respiratory system.

11. ECOLOGICAL INFORMATION

No information is available on the ecotoxicity or environmental fate of nitrocellulose or nitrocellulose/cellulose acetate membranes. Data not yet available on silica gel.

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12. DISPOSAL INFORMATION

Dispose of unused and used test kits via an authorised person/ licensed waste disposal contractor in accordance with local regulations.

13. TRANSPORT INFORMATION

Quantities of nitrocellulose not classified as hazardous for transport (UN3270, IATA ID A122 refers).

Contact Sigma Chemical Company for transport information on silica.

14. REGULATORY INFORMATION

Nitrocellulose not classified as hazardous for supply. Keep away from sources of ignition. No smoking. Take precautionary measures against static discharge.

Silica harmful by inhalation, irritating to eyes and respiratory system. Wear suitable protective clothing. Do not breathe dust. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

15. OTHER INFORMATION

Compiled by:
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