

MATERIAL SAFETY DATA SHEET

I. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

Trade name – MALCLEANSE BIOCLEAN-CA

Supplier:

Name: Malcolm Smith Power Cleaning

Address: 45 Roundponds, Melksham, Wiltshire. SN12 8DW

Telephone: 01225 707200

2. COMPOSITION

Preparation

Liquid formulation of non pathogenic viable bacterial cultures for oil stained areas.

Hazardous components:

Anhydrous Sodium Metasilicate CAS N° 6834-92-0 3 – 7 %

3. HAZARD IDENTIFICATION

Specific hazards

Irritating to eyes and skin.

Class I micro organisms (European Federation of Biotechnology)

4. FIRST AID PROCEDURES

-In case of ingestion

-In case of projection in eyes or on the skin

Seek medical attention. Do not induce vomiting. Reassure the patient.

Rinse thoroughly with water. Seek medical advice in the case of persistent eye irritation.

Organisms used are non pathogenic but can cause infection when in contact with open wounds. These organisms are susceptible to many commonly used antibiotics.

5. INFLAMMATION AND EXPLOSION HAZARDS

Non flammable product.

6. SPILLAGE OR LEAK PROCEDURES

-Precautions for environment

-Procedures

Product is designed to emulsify oil on surfaces and once rinsed with water to degrade oil through an enzymatic metabolism. As a result it can be poured out into any sewer. It is not hazardous for environment.

Steps to be taken in case material is released or spilled:

Wear approved respirator for nuisance dust during cleanup.

For small spills flush to waste treatment sewer (product is biodegradable).

For large spills contain and collect for reuse.

7. STORAGE AND HANDLING

-Special precautions to be taken during storage and handling

-Packaging materials to be avoided - Metallic containers.

Usual storage conditions. Avoid freezing temperatures. This product is safe in normal use however as with any chemical product good hygiene practices should be followed.

MALCLEANSE BIOCLEAN-CA

8. PERSONAL PROTECTION EQUIPMENT

-Protective eyewear

-Protective clothing

Safety glasses recommended.

Take precautions to prevent skin contact. Gloves recommended.

9. PHYSICAL PROPERTIES - DETERGENT

Physical state - Liquid

Color - Cream to white liquid

Odor - Herbal

pH -10.4 – 10.7

Boiling point -100°C

Decomposition temperature - No data

Flash point - No data

Autoignition temperature - No data

Explosion hazard - No data

Vapor pressure - Equivalent to water

Vapor density - Equivalent to water

Specific gravity - Approx. 1.0

Solubility in water -99%

10. REACTIVITY DATA

Stability - Stable under normal conditions.

Incompatibility (material to avoid) - Strong acids or alkali compounds may inactivate biological cultures.

Hazardous decomposition - None to the best of our knowledge.

Hazardous polymerisation - None to the best of our knowledge.

Hazardous reaction - None if used in accordance with the PDS however avoid strong oxidising agents.

11. TOXICOLOGICAL DATA

LOW TOXIC PRODUCT

Skin - Prolonged or repeated contact may cause irritation. Slight redness on hands and forearms if individual has a history of dermal allergic reaction. Dermatitis and skin sensitisation can develop after repeated and/or prolonged contact with human skin.

Eyes - Product could cause slight irritation. Organisms used are non-pathogenic but can cause infection when in contact with open wounds. These organisms are susceptible to many commonly used antibiotics.

Ingestion - May cause stomach disorder ; irritation of the mouth, pharynx, oesophagus and stomach can develop following ingestion.

12. ECOLOGICAL DATA

Product can be poured out into any sewer. It is not hazardous for environment. On the contrary it favours oil degradation in sewers and wastewater treatment facilities. Product is biodegradable as much as 98 %.

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13. SPECIAL PRECAUTIONS CONCERNING DISPOSAL OF PRODUCT WASTE

Dispose of according to local regulations.

14. TRANSPORT DATA

No data.

15. REGULATION DATA

-Labeling required for hazardous substances and preparations (European Union)

Labeling : Xi : Irritating.

R 36/38 : irritating to eyes and skin.

S 26 : in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37 : Gloves recommended.

16. OTHER RECOMMENDATIONS

The information contained on here & on other Data Sheets / MSDS Sheets is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the products and should not be construed as any guarantee of technical performance or suitability for particular applications. The responsibility to ensure safe working conditions within the workplace remains with the user. The health hazard and general information contained within Material Safety Data Sheet are given as a guide to the precautions required maintaining a safe work environment.

Date : 28.05.2003