



# RM25

## MATERIAL SAFETY DATA SHEET



NFPA FIRE HAZARD  
IDENTIFICATION SYSTEM

I. PRODUCT IDENTIFICATION			
Trade Name(s): RM25			
Generic Name(s): Calcium Bentonite (CAS No. 1302-78-9)			
Chemical Name(s): Calcium HDTMA (CAS No. 1318-93-0)			
Supplier Name: Oil Pollution Services Limited		Telephone Numbers:	
Address: Bedford Heights, Manton Lane, Bedford MK41 7PH		Information: +44 (0)1234 219775 EMERGENCY +44 (0)7790 611860	
II. HAZARDOUS INGREDIENTS			
Ingredient	CAS NO.	%	Hazard
Note:			
III. PHYSICAL DATA			
Boiling Point (°F): NA		Specific Gravity (H <sub>2</sub> O=1): 2.45-2.55	
Vapor Pressure (mm. Hg): NA		Melting Point: Approx. 1450°C	
Vapor Density (Air = 1): NA		Evaporation Rate (Butyl Acetate = 1): NA	
Solubility in Water: Insoluble, forms colloidal suspension.		pH: 8-10 (5% aqueous suspension)	
Density (at 20° C): 1kg/l .as product.			
Appearance and Odour: Blue/grey to green as moist solid, light tan to grey as dry powder. No odour.			
IV. FIRE AND EXPLOSION DATA			
Flash Point: NA		Flammable Limits: LEL: NA UEL: NA	
Special Fire Fighting Procedures: NA			
Unusual Fire and Explosion Hazards: None.			
Extinguishing Media: None for product. Any media can be used for the packaging. Product becomes slippery when wet.			
V. REACTIVITY			
Stability: Stable			
Hazardous Polymerization: None			
Incompatibility: None			
Hazardous Decomposition Products: None			
NA = Not Applicable		ND = Not Determined	

**VI. HEALTH HAZARD INFORMATION**

Routes of Exposure and Effects:

Skin: Possible drying resulting in dermatitis.

Eyes: Mechanical irritant.

Inhalation: Acute (short term) exposure to dust levels exceeding the PEL may cause irritation of respiratory tract resulting in a dry cough.

Chronic (long term) exposure to airborne dust containing respirable size ( $\leq 10 \mu$ ) particles, where respirable particle levels are higher than TLV's, may lead to development of respiratory problems. Persistent dry cough and laboured breathing upon exertion may be symptomatic.

Ingestion: No adverse effects.

Permissible Exposure Limits:  
(for air contaminants)

OSHA PEL  
(8hr. TWA)

ACGIH TLV

As "Particulates not otherwise regulated" (formerly nuisance dust)

Total dust 15mg/m<sup>3</sup>

ND

Respirable dust 5mg/m<sup>3</sup>

ND

Carcinogenicity

Acute Oral LD<sub>50</sub>: ND

Acute Dermal LD<sub>50</sub>: ND

Aquatic Toxicology LC<sub>50</sub>: ND

Emergency and First Aid Procedures:

Skin: Wash with soap and water until clean.

Eyes: Flush with water until irritation ceases.

Inhalation: Move to area free from dust. If symptoms of irritation persist contact physician. Inhalation may aggravate existing respiratory illness.

**VII. HANDLING AND USE PRECAUTIONS**

Steps to be taken if Material is Released or Spilled: Avoid breathing dust; wear mask and/or respirator approved for dust. Vacuum up to avoid generating airborne dust. Avoid using water. Product slippery when wetted.

Waste Disposal Methods: Product should be disposed of in accordance with applicable local, state and federal regulations.

Handling and Storage Precautions: Clean up spills promptly to avoid making dust. Storage area floors may become slippery if wetted.

**VIII. INDUSTRIAL HYGIENE CONTROL MEASURES**

Ventilation Requirements: Mechanical, general room ventilation. Use local ventilation to maintain PEL's/TLV's.

Eye Protection: Generally not necessary. Personal preference.

Gloves: Generally not necessary. Personal preference.

Other Protective Clothing or Equipment: None

**IX. SPECIAL PRECAUTIONS**

Avoid prolonged inhalation of airborne dust.

**DEPARTMENT OF TRANSPORTATION HAZARDOUS MATERIAL INFORMATION**

Shipping Name: NA (Not Regulated)

Hazard Class: NA

Hazardous Substance: NA

Caution Labelling: NA

Date Revised: March 2009

Doc #: 10000-01

All information presented herein is believed to be accurate, however, it is the user's responsibility to determine in advance of need that the information is current and suitable for their circumstances. No warranty or guarantee, expressed or implied is made by Oil Pollution Services Limited as to this information, or as to the safety, toxicity or effect of the use of this product.