



# ROQUETTE

America, Inc.

**SAFETY DATA SHEET**

REF : I99-102Z

September 99 - P 1/4

PRODUCT : PEARLITOL 400 DC

acc 91/155/CEE and its amendments

- 01. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:**
- 01.1 Chemical product name..... : PEARLITOL 400 DC
- 01.2 Supplier..... : ROQUETTE FRERES  
 Address..... : 62136 LESTREM FRANCE  
 Telephone/Telefax..... : 03.21.63.36.00 / 03.21.63.38.50  
 Emergency telephone..... : ROQUETTE FRERES FRANCE  
 : 03.21.63.36.00 / 03.21.63.38.50
- 02. COMPOSITION/INFORMATION ON INGREDIENTS:**
- 02.1 Substance..... : yes  
 02.2 Common chemical name..... : mannitol  
 02.3 CAS number..... : 69-65-8  
 02.4 N° EINECS..... : 200-711-8  
 02.5 Ingredients contributing to the hazard..... : not applicable
- 03. HAZARDS IDENTIFICATION:**
- 03.1 Most important hazards..... : potential for formation of explosive air / dust cloud  
 03.2 Specific hazards..... : explosion hazards, see ! 3.1  
 03.3 Other information..... : not classified under CHIP regulation
- 04. FIRST-AID MEASURES:**
- 04.1 Inhalation..... : remove to fresh air ; if symptoms develop, seek medical advice  
 04.2 Eye contact..... : rinse with plenty of water, seek medical attention  
 04.3 Skin contact..... : wash with water and soap  
 04.4 Ingestion..... : seek medical attention according to symptoms. excessive intake may induce laxative effects depending on individual sensitivity
- 05. FIRE-FIGHTING MEASURES:**
- 05.1 Extinguishing media..... : water spray  
 05.2 Non-suitable extinguishing media.. : CO2 : inactive  
 Powder : hazards of dust cloud formation
- 06. ACCIDENTAL RELEASE MEASURES:**
- 06.1 Personal precautions..... : follow recommendations for protection ! 8  
 06.2 Environmental precautions..... : generally no or weak hazard for water (biodegradable product)  
 06.3 Methods for cleaning up..... : collect mechanically, vacuum up, if necessary wash with water. to eliminate residues , see ! 13
- 07. HANDLING AND STORAGE:**
- 07.1 Handling  
 Technical measures..... : follow recommendations for personal protection ! 8



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Precautions..... : avoid dust formation or dispersion in the air

Safe handling advice..... : follow general recommendations for handling of dusty products

### 07.2 Storage

Technical measures..... : none

Storage conditions..... : store in a cool and dry area

Incompatible products..... : strong oxidizing agents

Packaging materials..... : cardboard and polythene drum

### 08. EXPOSURE CONTROLS/PERSONAL PROTECTION:

08.1 Control parameters..... : follow the national regulation applicable to non specific total dusts  
AEL <= 10 mg/m3 (France)

#### 08.2 Personal protective equipment

Respiratory protection..... : dust mask in case of dust occurrence

Eye protection..... : appropriate goggles (optional)

Hand protection..... : not necessary

Skin and body protection..... : none

08.3 Hygiene measures..... : general hygiene practices for chemical products handling

### 09. PHYSICAL AND CHEMICAL PROPERTIES:

09.1 Physical state..... : powder

Colour..... : white

Odour..... : neutral

09.2 pH (concentration)..... : 5.5 - 6.5 at 20 °

09.3 Boiling temperature..... : not applicable

Flashpoint..... : not applicable

Autoignition temperature..... : 460 °C (GG - cloud)

09.4 Explosion properties..... : min ignition energy : approx 31 mJ  
max explosion pressure : approx 8.6 bars  
KST : approx 133 bar m/s  
Class (VDI 3673 ST) : 1  
min explosible concentration : 30 - 60 g/m3  
(ref : INERIS, similar to Mannitol 35)

09.5 Density..... : approx 0.60 kg/l

09.6 Solubility..... : soluble at 20 °C (approx 250 g/l)

### 10. STABILITY AND REACTIVITY:

10.1 Stability..... : stable with respect to storage conditions (7

10.2 Hazardous reactions..... : air / dust mixture (explosion hazards)

10.3 Materials to avoid..... : strong oxidizing agents

10.4 Hazardous decomposition products.. : typical decomposition products : Carbon monoxide and dioxide, oxygen, water

#### GURNEE PLANT

1550 NORTHWESTERN AVENUE, GURNEE, IL 60031-2392  
TEL (847) 249-5950 FAX (847) 578-1027

#### CORPORATE HEADQUARTERS

1417 EXCHANGE STREET, P.O. BOX 6647, KEOKUK, IA 52632-6647  
TEL/FAX (319) 524-5757

#### KEOKUK PLANT

1003 S. FIFTH STREET, P.O. BOX 6647, KEOKUK, IA 52632-6647  
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### 11. TOXICOLOGICAL INFORMATION:

- 11.1 Acute toxicity..... : DL50 : not available
- 11.2 Local effects..... : rubbing may cause mechanical skin irritation for hypersensitive individuals
- 11.3 Other information..... : no known toxicity

### 12. ECOLOGICAL INFORMATION:

- 12.1 Persistence/Degradability..... : biodegradable product
- 12.2 Bioaccumulation..... : not applicable, product metabolized by organisms
- 12.3 Ecotoxicity..... : CL50 : not available

### 13. DISPOSAL CONSIDERATIONS:

- 13.1 Waste from residues..... : can be eliminated as a solid waste ( common industrial waste) or incinerated in approved treatment plant conforming with applicable regulations and legislation
- 13.2 Contaminated packaging..... : single use packaging eliminate or recycle according to local regulations

### 14. TRANSPORT INFORMATION:

- 14.1 International regulations..... : not applicable
  - 14.2 UN number..... : none
- |                            | RID/ADR | RTMDR | IMDG | IATA/OACI |
|----------------------------|---------|-------|------|-----------|
| Class.....                 | n a     | n a   | n a  | n a       |
| Group, number or page..... |         |       |      |           |
| Labelling.....             |         |       |      |           |
| Danger code.....           |         |       |      |           |
| Product code.....          |         |       |      |           |

### 15. REGULATORY INFORMATION:

- 15.1 Labelling according to EEC standards..... : not required
- Hazard symbol..... : not applicable
- 15.2 Local regulations..... : product conforming with following regulations :
  - \* FCC (current edition)
  - \* Food Additive E 421



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### 16. OTHER INFORMATION:

**Note :**

This bulletin completes the Technical Directions for use but is not a substitute for them.

Attention is drawn to the risks encountered when the product is used in applications other than those for which intended.

It is the responsibility of the user to be aware of and to follow the regulations applying to our product for its possession, handling and use.

All information and instructions provided in this Safety Data Sheet (SDS) is made with no warranty ; they are based on the current state of our knowledge at the latest revision date indicated on the present SDS.

**\* Updating :**

The modified texts of the former versions are marked with an asterisk (\*).

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