

## MATERIAL SAFETY DATA SHEET

Sheet Nr. 0220

Revision 5, November 2002

### 1. PRODUCT IDENTIFICATION

Commercial name(s): Dicaperl® (all products)

Supplier:

**DICALITE TRADING**  
**Scheepzatestraat 100**  
**9000 GENT**  
**BELGIUM**

Tel.: +32-9-250.95.50

Fax: +32-9-250.95.59

Manufacturer:

Grefco Minerals Corp.  
225 City Avenue, Suite 14  
BALA CYNWYD, PA 19004  
U.S.A.

### 2. CHEMICAL COMPOSITION

Dicaperl® is a Natural Complex Aluminium, Potassium and Sodium Silicate not chemically treated. Dicaperl is chemically inert and contains less than 1% Crystalline Silica.

CAS Nr.: 93763-70-3

### 3. HAZARD INFORMATION

Dicaperl® causes an annoying but reversible effect on the lungs by inhalation. This annoying dust causes no organic disease or has no toxic influence on the organism as long as the concentration is not higher as 10 mg/m<sup>3</sup> air.

### 4. FIRST AID PROCEDURE

4.1 Inhalation:

Remove from dust area, drink water to clear throat; blow nose to evacuate dust.

4.2 Eye irritation:

Do not rub! Flush eyes immediately with copious amounts of water. Consult a physician if irritation persists.

4.3 Skin irritation: None

4.4 Swallow: None

## 5. FIRE- AND EXPLOSION HAZARDS

None. Dicapertl<sup>®</sup> is inert and non-flammable.

## 6. PROVIDE AGAINST ESCAPE OF DUST

6.1 Personal prevention: The wearing of an approved respirator and a safety eyewear are recommended.

6.2 Ecology prevention: None.

6.3 Spill and leak procedure: Vacuum clean or wet sweep!

## 7. HANDLING AND STORAGE-PRECAUTIONS

7.1 Handling: Avoid creating dust. Repair all broken bags immediately.

7.2 Storage: Keep dry and far from odoriferous chemicals.

## 8. EXPOSURE AND PERSONAL PRECAUTION

8.1 Respiratory organs protection: The wearing of a dust mask is recommended.

8.2 Eye protection: The wearing of safety glasses is recommended.

8.3 Hand & skin protection: None.

## 9. PHYSICAL-CHEMICAL PROPERTIES

Physical state at 20 °C	: Solid white powder, <i>max. 10% particles &lt; 5.24 µm</i>
Specific Gravity	: 2350 kg/m <sup>3</sup>
pH (in 100 g/l water slurry)	: 5.5 - 9.0
Solubility in water (20 °C)	: slight
State Modification	: over 800 °C

## 10. STABILITY AND REACTIVITY

Hazardous Reaction : None, except with fluoric-acid

Hazardous dissemination products : Reacts with fluoric-acid to form toxic silicon tetrafluoride.

## 11. TOXICOLOGY

See section 2

## 12. ECOLOGICAL DATA

Bio degradability and fish toxicity: None.

## 13. WASTE MANAGEMENT

Dispose off in approved landfill. Do not shoot dry! Keep moist or cover with earth.

## 14. TRANSPORT INFORMATION

Keep dry.

## 15. LEGAL INFORMATION

Hazard symbol	:	none
Risk sentences R	:	none
Risk sentences S	:	none
Recommended: S22	:	do not inhale dust
S26	:	by eye contact, flush with water

## 16. FURTHER INFORMATION

Application: Dicapert<sup>®</sup> is a cost effective volume extender in polyester, epoxy, urethane, PVC plastisol and even acetate and acrylic emulsion resin/binder systems. Technical information is available on demand at the same address.

THIS SHEET IS BASED ON THE TODAY BEST AVAILABLE INFORMATION AND ACCORDING TO DIRECTIVE 2001/58/EC OF THE COMMISSION OF 27/07/2001.