

**NISOC SPECIFICATION  
DRILLING FLUIDS PRODUCT DATA**

**CALCIUM CHLORIDE (G)**

**Product Description :**

Is an inorganic salt in granular shape with chemical formulation ,  $\text{CaCl}_2$  is used in preparation of oil base muds to prevent clay swelling and Non solid work over fluid saturated  $\text{CaCl}_2$  water Base polymer muds, . It is Soluble in water and alcohol .

**Application:**

- Increasing density.
- Weighting material.
- Shale inhibition .
- Work over and completion fluid .
- Water base polymer mud.

**Typical Physical Properties :**

<i>Requirements</i>	<i>Unit</i>	<i>Specification</i>
Purity as $\text{CaCl}_2$	Wt %	77 min
pH	—	7 min
Moisture content	%	4 $\pm$ 1
Water insoluble solids	%	3 max
Residue on ASTM sieve 3/8 in.	%	0
Residue on ASTM sieve No. 40 (Mesh 39)	%	80 $\pm$ 10
Sp. Gr. (280 gr $\text{CaCl}_2$ in 350ml. water)	PCF	83.5 min
Sedimentation of insoluble solids in saturated solution	Vol %	0

*Calcium chloride (G) Continue :*

**Recommended Treatment:**

It depends on drilling fluid desirable specific gravity.

**Source :**

KPA

**Packaging :**

25 Kg PP, PE Laminated , waterproof bags.

Marked on : *Name of manufacturer, Batch No. and Production date.*

**Safety Handling:**

- Low – toxicity , in case of skin contact wash with water.
- Use dust mask , goggles and gloves during usage .
- Keep in dry, sheltered and shady place .

