



50% Choline Chloride Dry, On Silica

IFN 7-01-228

Product Code: F3040035

Specification:

Appearance – White Colored Free-Flowing Granules

Substrate Composition – Choline Chloride, Silica (<35%)

Substrate Content – 50 +/-1% w/w Choline Chloride (226,000 mg/lb or 500,000 mg/kg)

Equivalent to 43.3% Choline Hydroxide (196,000 mg/lb or 433,000 mg/kg)

Equivalent to 37.3% Choline Cation (169,000 mg/lb or 373,000 mg/kg)

Moisture – 18% w/w Maximum

Typical Properties:

	<u>Heavy Metals</u>		<u>Dioxins</u>
Arsenic (As)	≤ 10 ppm	Dioxins TEQ	≤ 1.0 ng/kg
Cadmium (Cd)	≤ 0.5 ppm	Dioxins + PCBs TEQ	≤ 1.5 ng/kg
Fluorine	≤ 500 ppm	Non-dioxin-like PCBs	≤ 10 µg/kg
Lead (Pb)	≤ 10 ppm		
Mercury (Hg)	≤ 0.1 ppm		

Application:

An absorbed Choline Chloride feed additive in a chemically stable form for all species of livestock. Do not use as final feed.

Ingredients:

Choline Chloride and Silicon Dioxide (Silica; 35% max)



Dosage:

Use in accordance with in house requirements or with current NRC guidelines, and/or AAFCO profile guidelines. There is no restriction for the maximum level of Choline Chloride in feed except for an EU recommendation not to exceed supplemental levels of 1000 mg of Choline Chloride per kg of complete feed for poultry and pigs. Silicon dioxide from all sources cannot exceed 2 percent by weight of the complete feed.

Precautions:

Generally regarded as safe (GRAS). Avoid contact with eyes and skin. Avoid breathing dust. Wash thoroughly after handling.

Storage:

Hygroscopic material. Keep dry in sealed bags. Store below 120°F (50°C). Recommended storage temperature 50° - 90°F (10° - 32°C)

Packaging:

25-kg (55lb) poly-lined bags

Shelf Life:

Best if used within two years from manufacturing date, if kept dry in unopened bags.