

Calcium Chloride, Applications

Industry	Application	Advantage
Highway maintenance	Dust laying	Moisture absorbed from the air prevents dust formation
	Snow and ice control	Melts ice
Chemical manufacture	Production of calcium salts	Source of calcium
Cement	Low alkali cement	volatalize alkali, source of chlorides
Food	Cheese, brining, beer	Source of Calcium
Construction	Cold-weather concrete additive	Accelerates set
	Soil solidification	Solidifies loose, sandy soils when mixed with sodium silicate
	Tractor tire weighting	Lowers freezing temperature of water put in tires for better traction
Drying air and gases	Direct drying compound	Removes moisture by hygroscopicity
Highway construction	Shoulder and base stabilization	Retains moisture which improves compaction of soil
Automotive & Aluminum	Waste Water Treatment	Removes Fluorides, Phosphates, Heavy Metals and oily wastes
Mining	Dust proofing and freeze-resisting ore and coal	Retains moisture; lowers freezing point of water
Paper manufacture	Increases web strength of corrugating media	Provides artificial water hardness for better drainage
	De-Inking	Works with fatty acid soaps on recycled paper
	Improves dye retention	Provides artificial water hardness that helps set paper dyes
Petroleum	Additive to oil well completion fluids	Increases density
	Cementing finished oil wells	Accelerates set of cement
	Drilling mud additive	Reduces shale swelling
	Drying petroleum fractions	Absorbs water