

# CTS Industries, Inc.

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## CTS 50-DEG

### DIETHYLENE GLYCOL BASE ANTIFREEZE

**DESCRIPTION AND USE** CTS 50 DEG is a diethylene glycol based freeze conditioner for use on coal exposed to low ambient temperatures. The product has been formulated to replace the more hazardous ethylene glycol based materials. It functions by combining with surface moisture to reduce the freeze point and to distort the crystal structure of any ice which may form, thereby facilitating the handling of the coal under extreme weather conditions.

### **TREATMENT REQUIREMENTS AND APPLICATION**

CTS - 50 -DEG is typically required at low dosage levels ranging from 1-4 pints per ton. Treatment requirements depend upon both the amount of moisture in the coal and the particle size. CTS - 50 -DEG should be sprayed as evenly as possible onto the coal as it is being loaded into a silo, transport equipment or onto a coal stockpile.

### **TYPICAL PROPERTIES**

Appearance .....Clear blue liquid  
Odor.....Practically odorless  
Specific Gravity.....1.049-1.057  
pH (undiluted)..... Neutral  
Flash Point.....300°F  
Freeze Point.....-35°F  
Viscosities..... 60cps  
@ 25°F

180cps @ 0°F  
625cps @ -25°F

CTS - 50 -DEG may be toxic by ingestion if not treated promptly. Product can be mildly irritating to skin and eyes and contact should be avoided. If eyes are contacted, flush with clear water for 15 minutes and get medical attention if irritation persists. For skin, wash with soap and water. Consult the Material Safety Data Sheet provided with the product for further safety and handling information.

### **HANDLING AND STORAGE**

CTS - 50 -DEG is normally delivered in bulk and may be stored in mild steel, stainless steel or fiberglass storage tanks.