



MINING

BELT DEICERS

Keep Belts Moving. Stop Ice at the Source.

Belt deicer solutions engineered to keep conveyors, transfer points, and belts free-flowing in freezing conditions.

Why Belt Deicers Matter

Winter weather creates major challenges for conveyors and transfer points. Ice build-up on belts and rollers leads to stoppages, material carry-back, and costly downtime. Conventional salt sprays may help, but they often corrode equipment, require frequent reapplications, and add environmental risks.

EnviroTech's belt deicers are engineered to deliver reliable freeze protection with reduced corrosion, fewer reapplications, and stronger adherence to belt surfaces. The result is safer, more efficient, and more sustainable winter operations.

MSHA Final Rule: Respirable Crystalline Silica

In 2024, MSHA established a uniform exposure limit of $50 \mu\text{g}/\text{m}^3$ (PEL) with an action level of $25 \mu\text{g}/\text{m}^3$. EnviroTech's solutions help mine operators control dust at its source, reducing airborne particulate levels and supporting compliance while improving operational efficiency.

Sustainability & ESG Benefits

EnviroTech's belt deicers combine performance with sustainability. They reduce corrosion risk, improve worker safety, and support regulatory compliance.

Ultra-Low Chlorides

Balanced chloride and humectant blends lower the freezing point while minimizing chloride loading. They cut reapplications, reduce runoff, and improve air and workplace safety.

Non-Chloride Options

Synthetic, chloride-free chemistries form a protective, non-corrosive film on belt and material surfaces. They eliminate salt-related equipment damage, extend conveyor lifespan, and align with ESG and community stewardship goals for winter operations.



TOTAL MINING SOLUTIONS

BELT DEICERS

FEATURED SOLUTIONS

BEST

FREEZETROL 62

A bio-polymer based belt deicer effective down to -30 °F. Applied at 1 gallon/400 ft², it prevents belts from hardening causing backslides.

BETTER

FREEZETROL 78-G

A blend of bio-polymer and inorganic freeze point depressants, providing reliable belt deicing performance in extreme cold down to -60 °F. Applied at 1 gallon/400 ft², it prevents idlers and pulleys from becoming icy and unaligned, minimizing sloughing and runoff.

GOOD

FREEZETROL 77-W

A chloride-free, synthetic deicing treatment that prevents material backslides, sloughing, and runoff down to -40 F. Applied at 1 gallon/400 ft², it prevents ice-induced stoppages and material carryback.

Lower PM₁₀ & PM_{2.5} Exposure

EnviroTech's products are engineered for heavy-duty mining demands, delivering long-lasting performance while lowering operational costs and helping you meet ESG targets.

The Results

With EnviroTech belt deicers, operators prevent ice buildup at critical points, reduce downtime, and protect conveyor systems from corrosion. Every application keeps materials moving, improves safety, and lowers both operating and environmental costs.

How EnviroTech Helps You Stay Compliant:

EnviroTech's winter deicing and anti-icing solutions help operators improve safety and conserve resources. By using efficient, chemistry-based treatments instead of relying solely on salt or sand, roads and sites stay clear with fewer applications. This means less chloride usage, reduced fuel consumption, and lower material handling needs. Ultra-low chloride options minimize corrosion and runoff, protecting equipment, infrastructure, and surrounding ecosystems. Biodegradable formulations further reduce long-term environmental impact, while advanced performance reduces the frequency of reapplications, saving energy and labor. Every treatment demonstrates proactive environmental stewardship, worker safety, and corporate responsibility in winter operations.

