



SIDE RELEASE

Clean Release. Safer Haulage. Less Corrosion.

Specialty treatments that prevent fines and sticky materials from clinging to trucks, loaders, and stockpiles.

Why Side Release Matters

In mining and aggregate operations, sticky fines and wet materials can cling to truck beds, loaders, and stockpile walls. This creates safety hazards, slows production, and increases maintenance.

Operators spend unnecessary time and fuel cleaning out beds and re-handling carry-back. Left unchecked, these issues raise operating costs, reduce equipment lifespan, and contribute to compliance concerns.

EnviroTech's side-release products are engineered to solve these problems. Applied at low volumes, they form protective films that stop buildup, keep material moving, and maintain safe, efficient 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 side-release products reduce carry-back, limit downtime, and extend equipment life. They improve worker safety by minimizing the need for manual clean-out, while also lowering water and fuel use from repeated rework.

Ultra-Low Chlorides

Balanced humectant blends with reduced chloride content deliver effective release with less environmental impact. They hold moisture longer, cutting application frequency and reducing chloride loading in sensitive areas.

Non-Chloride Options

Synthetic, anti-adhesive formulations deliver strong, chloride-free release action. These protect equipment from corrosion, support corporate sustainability goals, and position operators as leaders in next-generation dust and release technology.



TOTAL MINING SOLUTIONS

SIDE RELEASE

FEATURED SOLUTIONS

BEST
BETTER
GOOD

FREEZETROL 62

A bio-polymer based release agent effective down to -30°F. Applied at 4–6 gallons per car, it prevents fines from sticking while supporting dust compliance.

FREEZETROL 78-G

A blend of bio-polymer and inorganic freeze point depressants, providing reliable side-release performance in extreme cold down to -60°F. Designed for heavy-duty applications.

FREEZETROL 77-W

A chloride-free, synthetic anti-adhesive treatment that protects equipment and ensures clean release performance down to -40°F. Ideal for sites needing strong freeze and adhesion control.

Lower PM₁₀ & PM_{2.5} Exposure

The Results

With EnviroTech side-release solutions, operators prevent buildup, improve safety, and reduce downtime. Trucks run cleaner, stockpiles stay stable, and equipment lasts longer. Every application contributes to compliance, operational efficiency, and stronger ESG performance.

How EnviroTech Helps You Stay Compliant:

Our dust control solutions tackle the problem at its source, keeping fine particles bound in the road surface and out of the air. By significantly reducing airborne dust, especially PM₁₀ and PM_{2.5}, our products help mine operators:

- Maintain compliance with the new PEL and action level.
- Reduce the need for costly shutdowns and rework.
- Protect worker health and extend road life.



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

