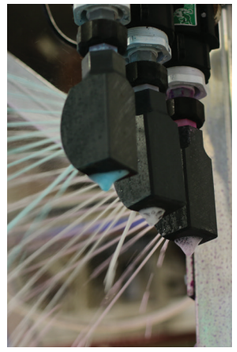

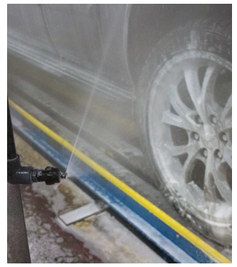

Ver-tech Labs manufactures a complete line of vehicle wash products.

- High pH presoaks
- Low pH presoaks
- Foam detergents
- Tire and Wheel cleaners
- Triple foams
- Protectants
- Debuggers
- Drying Agents
- Salt Shield®
- Wall and Equipment Cleaner
- Degreasers

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VER-TECH LABS

PROTECT VEHICLES AGAINST CORROSIVE SALTS

Salt Shield®

VER-TECH LABS

Do you know that vehicles are exposed to road salts all year?

FACT:

Winter maintenance practices use deicing salts (NaCl, $CaCl_2$, $MgCl_2$) late fall through early spring.

FACT:

Magnesium Chloride ($MgCl_2$) and Calcium Chloride ($CaCl_2$) are highly cost-effective products for dust control on dirt roads, construction sites, in cities and along motorways.

SALT + MOISTURE ON THE VEHICLE'S SURFACE = CORROSION

How does vehicle corrosion occur?

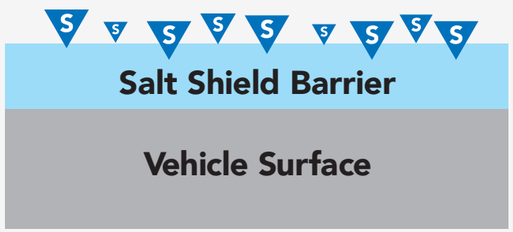
Vehicles driven on roads treated with deicers and dust suppressants, as well as coastal areas are all exposed to salts. These salts attract moisture from the air and are then dissolved. The dissolved salts increase water conductivity, making an electrolyte solution. Much in the same way an electrolyte in a battery facilitates the movement of electrons from one electrode to another, immersing any metal in an electrolyte solution speeds up the movement of electrons and the process of corrosion.

Humid conditions such as parking a car in a warm garage after driving through treated roads or natural climate conditions create optimal conditions for corrosion to occur. Repeated exposure to salt will accelerate corrosion on compromised vehicle surfaces (existing rust spots and imperfections in the clear coat).

Using Salt Shield® will ensure that salts are thoroughly washed off surfaces. Regular use of Salt Shield creates a sacrificial barrier on the vehicle surface that mitigates the corrosive effect of salts.

WITHOUT SALT SHIELD

WITH SALT SHIELD



Salt Crystal | Break in surface, but not rusty | Rust

The Salt Shield sacrificial coating prevents salt crystals from reaching the vehicle surface.

Salt Shield® is a specially formulated low pH detergent that will clean and neutralize salts. Salt Shield chemically reacts with exposed metal surfaces, creating a protective barrier and enhancing resistance against salts. With regular use, Salt Shield can remove some preformed rust from the vehicle surface.

Salt Shield can be used at the beginning of the wash as a presoak to ensure removal of salts and as a final underbody spray for additional protection. In U.S. carwashing operations, Salt Shield is typically applied at the rate of 1.5 – 2.0 ounces per car (44 – 59 ml per car). Used as an extra service product, many car wash owners have seen a significant profit adding Salt Shield to their wash options.

Salt Shield can be easily incorporated in all type of vehicle wash operations including commercial trucks, buses, light rail cars and other heavy duty vehicles.

SALT SHIELD PROTECTION

ORIGINAL

Untreated

Cold rolled steel panel, SAE designation 1010.

When Salt Shield® is applied, it chemically reacts with the metal to form a coating.

AFTER EXPOSURE TO SALT SOLUTION

Untreated

Rust forms on an untreated panel.

Salt Shield® coating acts as a protective barrier, enhancing resistance to rust formation.