



**Bioscience, Inc.**

Environmental Products and Services

ISO 9001:2008 Certified

# Fast Food Takeout Lane Cleaning

*Elimination of Oil Stains using MICROCAT® - SMPL Hydrocarbon Cleaner/Degrader - Bse 080*



**Before**

## Problem

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Repeated dripping oil and other automotive fluids from stopped vehicles causes an accumulation which is unsightly and potentially hazardous. The objective of this program is to eliminate the oil accumulation on the pavement and treat hydrocarbons removed in an environmentally sound way.

## Product Applied

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**MICROCAT®-SMPL Hydrocarbon Cleaner/Degrader**

## Site History

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In an area where cars stop frequently to pick up fast food, the vehicles drop small amounts of oil and other hydrocarbons on the pavement. This not only includes motor oil, but also on occasion diesel fuel, other lubricants and gasoline as well as coolant and other fluids. These residuals are difficult to remove, and their final disposition after removal is an important consideration. They should not be simply removed and discharged directly to the environment or into the sewer system without treatment as this poses an environmental hazard.

## Methodology Used

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1. The area of the hydrocarbon stains was wetted with water at ambient temperatures

2. After a few minutes MICROCAT<sup>®</sup>-SMPL Hydrocarbon Remover was sprayed over the stained area
3. After 15 minutes the area was washed with a hose
4. After 15 minutes the procedure was repeated



After

## Results

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After the 2 applications of MICROCAT<sup>®</sup>-SMPL a significant reduction in the recent hydrocarbon stains was observed. Some of the older, deeper stains proved to be somewhat resistant to complete removal. Repeated cleaning with longer dwell times for step 4. Proved to remove the older, deeper deposits.

## Conclusions

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MICROCAT<sup>®</sup>-SMPL was very efficient at removing stains that were one to two weeks old, however stains that were several months old or more resisted removal. In order to keep the area clear of stains it is therefore recommended that cleaning with SMPL be undertaken at least every two weeks.

MICROCAT<sup>®</sup>-SMPL removed fresh diesel spills almost immediately. Gasoline stains were removed after about two minutes and it took between 10 and 20 minutes to remove oil depending on the type spilled and the age of the spill.

## Related Spill Cleanup Products

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XRC	Oil spill absorber and degrader
XRCP	High capacity oil spill absorber and degrader
SK	Oil spill absorber and degrader
BK-A	A natural organic dispersant used in combination with MICROCAT <sup>®</sup> -BK-B
BK-B	Bioremediates hydrocarbon contamination in liquids and on solid or semi-solid surfaces
XBS	Bioformula for bioremediation of contaminated soils

Smpl1813