



# Third Rail<sup>®</sup>

## ANTI-ICER



ZERO GRAVITY THIRD RAIL<sup>®</sup> ANTI-ICER

## ENVIRONMENTAL SHEET

### PRODUCT DESCRIPTION

Zero Gravity Third Rail<sup>®</sup> Anti-Icer keeps transit trains operating on schedule and provides uninterrupted service for passengers. Zero Gravity Third Rail<sup>®</sup> Anti-Icer was developed to eliminate third-rail ice glazing at freezing temperatures. With the absence of electrolytes, there is no possibility of galvanic action and corrosion. Being non-conductive, electrical shorts and arcing are also eliminated.

### ENVIRONMENTAL FACTS

Zero Gravity Third Rail<sup>®</sup> Anti-Icer is enhanced by NASA's smart fluid technology, (U.S. patent 5,772,912) which was developed by NASA, Ames Research Center, for which Midwest Industrial Supply, Inc. and NASA have a joint license agreement. This technology enhances Zero Gravity Third Rail<sup>®</sup> Anti-Icer to resist removal by rain, sleet, snow and wind and is easily applied at low temperatures.

Zero Gravity Third Rail<sup>®</sup> Anti-Icer is formulated using a blend of diethylene glycol (DEG) and propylene glycol (PG) optimizing the benefits of each material.

Zero Gravity Third Rail<sup>®</sup> Anti-Icer is considered to be practically non-toxic to aquatic life.

Zero Gravity Third Rail<sup>®</sup> Anti-Icer is a blend of the two glycols, reducing the chronic oral toxicity. When used in an industrial application and as directed per manufacturers instructions there is no chance for ingestion.

Zero Gravity Third Rail<sup>®</sup> Anti-Icer is not absorbed easily through the skin and therefore poses little risk of injury upon contact.

Vapor inhalation of Zero Gravity Third Rail<sup>®</sup> Anti-Icer poses little health risk, especially when used in cold temperatures, since there is little volatilization.

Zero Gravity Third Rail<sup>®</sup> Anti-Icer is readily biodegradable and will not remain in the environment for an extended period of time.

Zero Gravity Third Rail<sup>®</sup> Anti-Icer degrades completely to carbon dioxide, carbon monoxide and water.

Zero Gravity<sup>™</sup> • NASA Technology • Patent No. 5,772,912



P.O. Box 8431 • Canton, OH 44711  
Toll Free: 800-321-0699 • Phone: 330-456-3121 • Fax: 330-456-3247  
E-mail: [custserv@midwestind.com](mailto:custserv@midwestind.com) • Web site: [www.midwestind.com](http://www.midwestind.com)