

# 3RD RAIL ANTI ICING FLUID

Anti icing product for third rail applications



**3RD RAIL ANTI ICING FLUID** has been developed to prevent ice build-up on third rails and to allow residual ice to easily shear from the surface of the rail. Additionally, 3rd Rail Anti Icing Fluid will aid the melting of ice already present on the rail.

## ADVANTAGES

Reduces the adhesion of ice to third rail allowing it to shear easily from the surface maintaining good electrical contact.

Melts ice already present on the rail aiding the cleaning process for post treatment where snow and ice has already formed.

Flashpoint of  $>100^{\circ}\text{C}$  allows the product to be preheated prior to application.

Offers protection against wash off in periods of prolonged changeable weather conditions.

Product is not classified as hazardous for GHS regulation or transport, so is safe to transport, handle and use.

Biodegradable.

Contains lubrication to reduce the wear of conductor shoes.

Application rates of as low as 3 litres per minute are possible whereas other products require 6 litres per minute.

## TYPICAL APPLICATIONS

- Counter the build-up of ice on the third rail
- Apply prior to weather event as a preventative measure
- Apply after a weather event to clear snow and ice build up

## APPLICATION INSTRUCTIONS

Product can be preheated if necessary.

Apply to third rail via suitable MPV, GLV, anti icer applicator, or back pack sprayer.

Note: Do not mix with other anti-icing products.



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## TECHNICAL DATA

APPEARANCE	Viscous colourless liquid
ODOUR	Mild
SOLUBILITY	Partially soluble in water
FLASH POINT (°C)	>100
PACK SIZES	1,000 litre IBC

## PRECAUTIONS

Wear suitable protective equipment. Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling.

## STORAGE PRECAUTIONS

Store at temperatures between 4°C and 40°C in a dry, cool and well-ventilated place.

## ACCREDITATIONS & REGISTRATIONS

Network Rail Certificate of Acceptance PA 05/04978

## HEALTH AND SAFETY

Refer to Safety Data Sheet (available on request)

## RELATED PRODUCTS



**UNIVERSAL DE-ICER**  
General purpose liquid de-icer  
for rail industry



**THAW GRANULES**  
Modern, clean, ice and snow  
defrost granule



**TRAIN WINTER GRADE  
SCREEN WASH**  
Train windscreen wash for use in  
freezing conditions



**ANTIFREEZE**  
Ethylene glycol-based coolant

