

# Nordway®-KF

## Liquid Runway/Taxiway and Parking Apron De-icer



### Description

Nordway®-KF is a liquid runway, taxiway and parking apron de-icer based on potassium formate. It is an easy applicable, fully biodegradable and environmentally friendly de-/anti-icing product combined with unique formulation of corrosion inhibitors. The de-icer is tailored to completely fulfil SAE AMS 1435 standard requirements and is regularly revised/retested according the latest version of the standard at SMI Inc. laboratory. Nordway®-KF performs by decreasing the freezing temperature of water and creates protection from snow, ice, freezing rain and slush.

### Performance

- Nordway®-KF can be applied directly onto the pavement surface where it is desirable both preventive and/or reactive treatment.
- Product does not contain Triazoles or Nonylphenols

### Sales specification

- |                        |             |
|------------------------|-------------|
| ○ Potassium Formate, % | 50          |
| ○ pH value             | 9.0-11.0    |
| ○ Appearance           | Clear fluid |
| ○ Freezing temp, °C    | -58+/-2     |

### Certification

- Nordway®-KF is certified and approved by the latest version of SAE AMS 1435 standard at SMI Inc
- LFV tests of impact for asphalt/concrete pavements are done at VTI Institute (Sweden)
- AIR tests done at LIMA-AMIL (Canada) and SMI Inc. (USA)
- Tests of impact for soil, water and waste water are done following particular local requirements

### Storage & Handling

- Nordway®-KF de-icer is prepared and delivered for final usage.
- Offered in a bulk or in 1000 litres IBC containers.
- For safety, Nordway®-KF is highly recommended to be stored away from extreme heat and away from strong oxidizing agents.
- When storing liquid Nordway®-KF de-icer under conditions and requirements presented above – the shelf-life of the product is minimum 24 months from its date of manufacture.

### Bio-degradability & Aquatic toxicity

- |   |                                  |
|---|----------------------------------|
| ○ BOD <sub>5</sub>                                  | 0.05 kg O <sub>2</sub> /kg fluid |
| ○ COD <sub>5</sub>                                  | 0.12 kg O <sub>2</sub> /kg fluid |
| ○ Acute toxicity to Daphnia Magna<br>48 hours EC50: | > 1000 mg/l                      |
| ○ Acute toxicity to fish<br>96 hours LC50:          | > 2000 mg/l                      |

CAS no.: 590-29-4  
EC (EINECS) no.: 209-677-9  
HS no.: 2915120000