



F&B Dicolube HCS

VL70

General purpose track treatment (synthetic)

Description

Dicolube HCS is a fatty amine/carboxylic acid based track treatment for the conveyance of food and beverage containers, including glass and PET bottles, cans, kegs and cartons, on steel & plastic conveyors.

Key properties

- Dicolube HCS is a fatty amine/carboxylic acid based liquid track treatment providing lubrication for the conveyance of a wide range of food and beverage containers on plastic and steel conveyors including glass and PET bottles, cans, kegs and cartons.
- Dicolube HCS has been developed for use with PET (polyethylene terephthalate) bottles, reducing the risk of stress cracking.
- Dicolube HCS is compatible with a wide range of water chemistries including those that prove problematic to many other fatty amine based technologies.
- Dicolube HCS is moderate foaming at optimal use concentrations which reduces the risk of problematic build up on the conveyor, drip trays and floor, whilst providing enhanced conveyor coverage (foam assisted).
- Dicolube HCS is suitable for use in soft and hard water conditions.

Benefits

- Provides effective lubrication for food and beverage containers, ensuring line efficiency is maintained. Helps prevent wearing of bearings and shearing of pins, thus reducing maintenance costs.
- Used at a high dilution to give an effective and economical 'in-use' concentration.
- Reduces the risk of stress cracking and leakage with PET bottles enhancing brand integrity.
- Preventing fouling in the distribution pipe work helps ensure operational efficiency and reduce maintenance requirements.
- Moderate foaming characteristics give reduced operational problems and improved operator safety, the latter by minimising the risk from slippery floors, whilst providing effective coverage and lubrication on demanding lines to maintain production efficiency.
- Suitable for use in hard water conditions eliminating the need for softener installation and maintenance.

Use instructions

Dicolube HCS should be applied via an automatic dosing system with zoning for large lines. It is recommended that fan nozzles are used, their positioning optimised to ensure effective conveyor coverage. The typical use concentration is 0.1-0.3% w/w depending on the application.

Product compatibility with diluting water and packaging should always be confirmed before use.





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Technical data

Appearance: Clear, yellow liquid

pH (1% solution at 20°C): 6.5

Relative density (20°C): 1

Chemical Oxygen Demand (COD): 366 gO₂/kg

Nitrogen Content (N): 6 g/kg

Phosphorous Content (P): None

The above data is typical of normal production and should not be taken as a specification.

Safe handling and storage information

Store in original closed containers, away from extreme temperatures. Full guidance on the handling and disposal of this product is provided in a separate Safety Data Sheet.

Product compatibility

Dicolube HCS is safe for use on all type of materials commonly found in the beverage industry when applied in the recommended concentration. It is advisable to evaluate individual materials before use in the event of uncertainty.

Test method

Reagents:

0.1 N acid

BSM indicator

Procedure:

Fill 100ml of the application solution into a conical flask. Add 5 drops of BSM indicator. Titrate this solution with 0.1N acid until the colour changes from green to grey. Do the same with the plant water.

Calculation:

Lubricant value (ml) – water value (ml) = acid value

Acid value x 0.23 = % (w/w) Dicolube HCS