

NAViPLUS⁺

NaviPATM

TECHNICAL DATA SHEET

PERACETIC ACID BASED SANITISER AND DISINFECTANT



BENEFITS

A highly biocidal oxidizer disinfectant. Surface disinfection, clean-in-place (CIP) applications and general foaming disinfections. Peracetic acids are known for their efficacy against a range of viruses, fungi and bacteria and are regarded as food safe.

Only limited information is available regarding the mechanism of action of peracetic acid, but it is thought to function as other oxidizing agents, i.e., it denatures proteins, disrupts cell wall permeability, and oxidizes sulphhydryl and sulfur bonds in proteins, enzymes, and other metabolites.



DILUTION RATES

Peracetic acid will inactivate gram-positive and gram-negative bacteria, fungi, and yeasts in <5 minutes at <100 ppm. In the presence of organic matter, 200-500 ppm is required. For viruses, the dosage range is wide (12-2250 ppm), with poliovirus inactivated in 15 minutes with 1500 to 2250 ppm. Bacterial spores in suspension are inactivated in 15 seconds to 30 minutes with 500 to 10,000 ppm (0.05 to 1%). Poliovirus inactivation applies to human coronavirus inactivation.



AREAS OF USAGE

This product is most suitable for disinfection of food preparation areas, surfaces, abattoir disinfection, clean-in-place (CIP) applications and on-farm disinfection (drinking water lines)



APPLICATIONS AND DIRECTIONS

Spray the sanitiser as required onto surfaces. Use at between 0.02% and 0.15% depending on application. For stronger spray application USE AS IS - NO DILUTION REQUIRED. Allow for at least 10-15 minutes contact time.



COMPOSITION AND INGREDIENTS

APPEARANCE

Clear liquid

ODOUR

Pungent vinegar-like

pH

<1

SHELF LIFE

2 years from date of manufacture

GLACIAL ACETIC ACID 99%

CAS# 64-19-7

HYDROGEN PEROXIDE 35%

CAS# 7722-84-1

SULPHURIC ACID 95-97%

CAS# 7664-93-9



HEALTH AND SAFETY

GENERAL ADVICE

Liquid and mist are corrosive and can cause burns, direct contact could cause irreversible damage to eyes including blindness and/or irreversible destruction of skin tissue. Vapor/mist will irritate the nose, throat and lungs, but will usually subside when exposure ceases. The severity of the effects depends in the concentration and dose.

PRODUCT IN EYES

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids intermittently. Consult a physician Immediately

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BIOCHEM
NAVIGATING GROWTH

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Produced in an ISO accredited facility.

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HEALTH AND SAFETY (CONTINUED)

SKIN

Flush with plenty of water while removing contaminated clothing and/or shoes, and thoroughly wash with soap and water. Seek immediate medical attention/advice. Wash contaminated clothing with plenty of water to prevent fire hazard.

PRODUCT INHALED

Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If breathing difficulty or discomfort occurs and persists, obtain medical attention.

PRODUCT INGESTED

Clean mouth with water. Drink 1-2 glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately.



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