



**Product Specification &**

**SAFETY DATA SHEET**

CHIP / EC FORMAT 91/155/EEC AMD 93/112/EC AMD 2001/58/EC

**A224**  
**SANIFRESH**



**SECTION 1: IDENTIFICATION OF THE PREPARATION AND COMPANY**

**Product Name:** SANIFRESH **Product Code:** A224  
**Manufacturer:** Prochem Europe Ltd., Oakcroft Road, Chessington, Surrey KT9 1RH, UK. Telephone No: 020 8974 1515 (UK) +44 20 8974 1515 (EC) Chemical Product Manager E, H & S  
**Emergency Action:** In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department, who may seek advice from the **UK National Poisons Information Service**, where our full product details are held.

**Product Description & Directions For Use:**

A concentrated dual-action bactericide and deodoriser for use on multi-surfaces. Sanifresh destroys odours caused by moulds, mildew, food, bacteria and other organic based odours on hard surface and carpets. Heavily soiled surfaces should be cleaned before application of Sanifresh. For best results, Sanifresh solutions should always be freshly prepared. Always pre-test surface to be treated before proceeding. Dilute 50 to 100ml A224 Sanifresh per litre of warm to hot water (1:20 or 1:10). Apply by spray applicator directly to affected areas and leave for 5 to 15 minutes. Rinse surface with clean water. For severe odours re-apply A224 and leave to dry. Do not mix A224 Sanifresh with other cleaning solutions.

**SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS**

SUBSTANCE	RISK (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Water	None	None	None	More than 30%
Alkyldimethylbenzyl ammonium chloride	C R34 Xn R22 N R50	273-544-1	68989-00-4	5 to 15%
Isopropanol	F R11 Xi R36 R67	200-661-7	67-63-0	5 to 15%
Fragrance (IFRA certified)	Xi R36/38	None	None	Less than 5%
Fragrance (IFRA certified)	Xi R38	None	None	Less than 5%
Non-ionic surfactant	-	-	-	Less than 1%

**SECTION 3: HAZARDS IDENTIFICATION**

**Classification:** Not classified.  
**Eye Contact:** Contact with concentrate may cause moderate eye irritation.  
**Skin Contact:** Prolonged or repeated contact may cause irritation.  
**Inhalation:** None expected. Breathing fine spray mists may cause temporary irritation of the nose and throat.  
**Ingestion:** Deliberate ingestion may produce nausea, vomiting internal irritation and possible systemic effects.  
**Environment:** This product contains 5 to 15% Alkyldimethylbenzyl ammonium chloride which is classified as very toxic to aquatic organisms. Raw materials will biodegrade. See Ecological Information for further detail.

**SECTION 4: FIRST AID MEASURES**

**Eye Contact:** Flush immediately with water for 15 minutes, then seek medical attention.  
**Skin Contact:** Flush skin with water. Seek medical attention if any skin irritation persists.  
**Inhalation:** Get fresh air and seek medical assistance if breathing is difficult.  
**Ingestion:** Drink water and seek immediate medical attention. Do not give anything by mouth if patient is unconscious. DO NOT INDUCE VOMITING.

**SECTION 5: FIRE FIGHTING MEASURES**

**Extinguishing Media:** Product is not flammable. Use water, carbon dioxide, dry powder extinguisher, or other media appropriate for materials actually involved in fire.  
**Fire/Explosion Hazards:** No explosion hazards.  
**Decomposition Products:** Very small amounts of hydrogen chloride, nitrogen oxides and ammonia if large amounts involved in fire. Exposure to fire may liberate carbon dioxide, carbon

monoxide, water and other unidentified thermal decomposition products from this product or its packaging.  
**Special Protective Equipment:** Self contained breathing apparatus if large amounts involved.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Protection:** Protective clothing, nitrile butyl rubber gloves, chemical splash goggles.  
**Containment and Disposal:** Large spills should be treated with dry absorbent and disposed at legal waste disposal site. Very small spills can be flushed with water to sewage drain linked to waste treatment facility.

**SECTION 7: HANDLING AND STORAGE**

**Handling Precautions:** Wear nitrile butyl rubber gloves and safety glasses when handling concentrate. Wear dust particle mask when spraying large amounts. Avoid breathing atomised spray.  
**Storage Precautions:** Avoid extremes of temperature. Keep out of reach of children. Keep in original container.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Limits:** Isopropanol OES-LTEL 400ppm Sk OES-STEL 500ppm Sk  
**Environmental Controls:** For additional guidance, contact ENVIROWISE at [www.envirowise.gov.uk](http://www.envirowise.gov.uk) or telephone 0800 585794  
**Eye Protection:** Side shield safety glasses are recommended when handling concentrate and spraying.  
**Protective Clothing:** Standard work clothing and nitrile butyl rubber gloves. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

**Respiratory Protection:** Not normally required. A dust / particle mask is recommended if spraying for extended periods.

**Ventilation:** Normal air circulation. Allow adequate ventilation in enclosed areas.

**Hygiene:** Wash hands and clothing after use or spill. Do not eat or drink when handling or spraying.

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance/Colour/State:** Moderate foam clear straw liquid

**Odour:** Lemon & lime

**pH Concentrate:** 7.5 **pH Diluted:** 7.5

**Boiling Point / Range °C:** 100

**Flash Point °C:** None **Method:** Not applicable

**Flammability Limit %:** Not applicable

**Explosive Properties:** Not applicable

**Oxidising Properties:** Not applicable

**Vapour Pressure:** Not determined

**Relative Density (Water = 1):** 1.00 **Solubility:** 100

**Partition Coefficient (N-octanol / Water):** Not determined

**Viscosity:** Not determined

**Vapour Density:** Not determined

**Evaporation Rate:** Not determined

**% Active:** 13.85

**% Solids:** 7

#### **SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable

**Conditions to Avoid:** Product is deactivated by anionic cleaning agents.

**Incompatibility (Materials to Avoid):** Strong oxidising and reducing agents.

**Hazardous Decomposition Products:** Very small amounts of hydrogen chloride, nitrogen oxides and ammonia if large amounts involved in fire. Exposure to fire may liberate carbon dioxide, carbon monoxide, water and other unidentified thermal decomposition products from this product or its packaging.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

**Eye Contact:** Contact with concentrate may produce severe transient irritation if not promptly rinsed.

**Skin Contact:** Possible irritation or mild dermatitis from prolonged or repeated contact.

**Inhalation:** No health effects expected other than possible temporary irritation of respiratory tract.

**Ingestion:** Bactericide is present in small amounts. Large ingested amounts may produce corrosive effects and possible delayed circulatory shock, renal injury and respiratory paralysis.

**Acute and Chronic Effects:**

**Acute Toxicity:** LD50 795mg/Kg (Oral-rat) (Alkyldimethylbenzyl ammonium chloride)

LD50 4700 to 5500 mg/kg (Oral-rat) (Isopropanol)

LD50 >12800 mg/kg (Skin-rabbit) (Isopropanol)

**Corrosivity / Irritation:** Skin, eye and respiratory

**Sensitisation:** None known

**Repeated Dose Toxicity:** Not established

**Mutagenicity:** None

**Carcinogenicity:** None

**Teratogenicity:** None

#### **SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Contains 5 to 15% Alkyldimethylbenzyl ammonium chloride which is classified as very toxic to aquatic organisms.

LC50 1-10mg/l 96h (Fish) (Alkyldimethylbenzyl ammonium chloride)

EC50 <1mg/l 48h (Daphnia) (Alkyldimethylbenzyl ammonium chloride)

IC50 <1mg/l 72h (Algae) (Alkyldimethylbenzyl ammonium chloride)

**Mobility:** Soluble in water.

**Persistence and Degradability:** The raw material ingredients in this product are biodegradable within the scope of current EC legislation. The major packaging materials of polyethylene and fibreboard are recyclable.

**Bioaccumulative Potential:** Not known

**Other Effects:** None known or no relevant data available for substances in this preparation.

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

Waste cleaning effluent should be discharged to a sewage drain, which is linked to a local sewage and waste treatment facility.

Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site.

Contact local Environment Agency office for waste holder requirements.

#### **SECTION 14: TRANSPORT INFORMATION**

**UN No:** None

**Classification:** Not classified as hazardous for transport

**Proper Shipping Name:** None

**Packing Group:** None

**Road (ADR):** None

**Sea (IMDG):** None

**Air (ICAO / IATA):** None

**Rail (RID):** None

#### **SECTION 15: REGULATORY INFORMATION**

**Classification**

Not classified as hazardous for supply

**Risk Phrases**

None

**Safety Phrases**

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 Wear suitable gloves

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 3) 2002** (as amended), the **CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS (COSHH) 2002** (as amended) and the **MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS 1999** (as amended).

This safety data sheet does not constitute the users own assessment of workplace risk as required by other health and safety regulations.

#### **SECTION 16: OTHER INFORMATION**

**Risk Phrases:** R11 Highly flammable. R22 Harmful if swallowed. R34 Causes burns. R36 Irritating to eyes. R38 Irritating to skin. R50 Very toxic to aquatic organisms. R67 Vapours may cause drowsiness and dizziness.

For additional information on safety, training and use of this product, contact the supplier. This product is intended for professional use only.

The information given is intended to be of assistance to users but is without guarantee. Variations can occur in application and users are advised to conduct their own tests. Suggestions for use neither give nor imply any guarantee as to the intended use.

**Revisions:** Replaces SDS A224 Issue / Revision Date 01/03/03 Revised Sections: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 16.