

**Section 1: Product & Company Information**

**Product Identifier:** PRODEL Odour Eliminator

**Other Means of Identification**

Product Number: No data available.

**Recommended Use and Restrictions on Use**

Recommended Use: For controlling odors.

Restrictions on Use: For commercial, industrial, and institutional use only.

**Manufacturer / Importer / Supplier / Distributor Information**

**Company Name:** Unisan Ltd  
**Address:** Unit 17B Millers Avenue  
Brynmenyn Ind Estate  
Bridgend CF32 9TD

**Information Telephone Number:** 0330 700 6000

**Fax Number:** 0845 0700 625

**Website:** www.unisanuk.com

**Contact Person:** Regulatory Manager

**E-mail:** sales@unisanuk.com

**Emergency Phone Number:** Chemtrec® 1-800-424-9300 / Outside USA 1-703-527-3887 (monitored 24 hours/day)

**Section 2: Hazards Identification****GHS Hazard Classification(s)**

In accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2012).

**Physical Hazard(s)**

Not classified.

**Health Hazard(s)**

(Corrosion)Damage/Irritation, Eye - 2B

Specific Target Organ Toxicity (STOT)-Respiratory Irritation, Single exposure - 3

**Environmental Hazard(s)**

Not classified.

**Label Elements****Signal Word**

**WARNING**

**Hazard Symbol(s)****Hazard Statement(s)**

H320: Causes eye Irritation.

H335: May cause respiratory Irritation.

**Precautionary Statements****General**

Not applicable.

**Prevention**

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P264: Wash face, hands and any exposed skin thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

**Response**

P304 + P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P337 + P313: If eye irritation persists: Get medical advice/attention.

**Storage**

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.  
 P405: Store locked up.

**Disposal**

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Hazard(s) not otherwise classified (HNOC)**

None known.

## Section 3: Composition/Information on Ingredients

**Mixture**

Chemical Identity <sup>2</sup>	Common Name/Synonym(s)	CAS # <sup>3</sup>	Weight %	Impurity or Stabilizing Additive
Isopropanol		67-63-0	6 – 6%	No
Ethyl Alcohol		64-17-5	4 – 6%	No
Ethoxylated Alcohol		Proprietary	5 – 8%	No

- Information regarding the composition and the percent ranges of the mixtures ingredients are not presented as it Confidential Business Information (CBI). Where a medical emergency exists (as determined by medical professional), timely disclosure of CBI is assured. The information omitted pertains to only the names of the substances and the concentration in the mixture (product) and can only be requested by a doctor/physician or Local/State/Provincial or Federal Authority.
- Non-hazardous ingredients are not presented as to protect the proprietary formula of the product.
- “—”Indicates ingredient is a mixture and contains multiple ingredients or may have no identifying CAS number.

## Section 4: First-Aid Measures

**General Information**

Show this safety data sheet to the doctor in attendance.

**Inhalation**

If a person breathes large amounts of this chemical, move the exposed person to fresh air at once. Other measures are usually unnecessary.

**Skin Contact**

If this chemical contacts the skin, flush the contaminated skin with water. Where there is evidence of skin irritation, get medical attention.

**Eye Contact**

If this chemical contacts the eyes, promptly wash (irrigate) the eyes with large amounts of water, occasionally lifting the lower and upper lids. Get medical attention if any discomfort continues.

**Ingestion**

If this chemical has been swallowed, get medical attention immediately.

**Most important symptoms/effects, acute and delayed**

**Symptoms**

Not established.

**Indication of immediate medical attention and special treatment needed**

**Hazards**

No data available.

**Treatment**

Not established.

## Section 5: Fire-Fighting Measures

**General Fire Hazards**

No unusual fire or explosion hazards noted.

**Suitable (and Unsuitable) Extinguishing Media**

**Suitable Extinguishing Media**

Extinguishing powder, alcohol resistant foam, carbon dioxide, water fog

**Unsuitable Extinguishing Media**

Avoid water in straight hose stream; will scatter and spread fire.

**Specific Hazards Arising from the Chemical**

The product itself does not burn. May decompose upon heating to produce corrosive and/or toxic fumes.

**Special Protective Equipment and Precautions for Firefighters**

**Special Fire-Fighting Equipment Procedures**

In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials.

**Special Protective Equipment for Fire-Fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand (OSHA/NIOSH approved or equivalent) and full protective gear.

## Section 6: Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures**

Keep unnecessary personnel away. Wear appropriate personal protective equipment.

**Methods and Materials for Containment and Clean-Up**

Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

**Notification Procedures**

No data available.

**Environmental Precautions**

Avoid discharge into drains, water courses or onto the ground.

## Section 7: Handling and Storage

**Precautions for Safe Handling**

Wear appropriate personal protective equipment. Do not get in eyes, on skin, on clothing. Use with adequate ventilation. Observe good industrial hygiene practices.

**Conditions for Safe Storage, including any Incompatibilities**

Keep container tightly closed. Store in a cool and well-ventilated place.

## Section 8: Exposure Controls/Personal Protection

**Control Parameters**

**Occupational Exposure Limits**

Chemical Identity	Type	Value	Source
Isopropanol	STEL	400 ppm	US. ACGIH Threshold Limit Values
	TWA	200 ppm / 8 hours	US. ACGIH Threshold Limit Values
Ethoxylated Alcohol	N/A	N/A	N/A

**Biological Limit Values**

The product does not contain any relevant quantities of hazardous materials with assigned biological limit values.

**Appropriate Engineering Controls**

No data available.

**Individual protection measures, such as personal protective equipment (PPE)**

**General Information**

Good general ventilation.

**Eye/Face Protection**

Wear approved safety glasses.

**Skin Protection**

**Hand Protection**

Disposable gloves recommended.

**Other**

Not applicable.

**Respiratory Protection**

If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn.

**Hygiene Measures**

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Section 9: Physical and Chemical Properties****Appearance:**

Physical State: Liquid  
Color: Clear to slightly cloudy

**Odor:**

Pleasant

**Odor Threshold:**

Not determined.

**pH:**

Not determined.

**Melting Point/Freezing Point:**

Not determined.

**Initial Boiling Point and Boiling Range:**

212 °F

**Flash Point:**

< 145 °F

**Evaporation Rate (butyl acetate=1):**

< 1

**Flammability (solid, gas):**

No data available.

**Upper/Lower Limit on Flammability or Explosive Limits**

Flammability Limit – Upper: Not determined.

Flammability Limit – Lower: Not determined.

Explosive Limit – Upper: Not determined.

Explosive Limit – Lower: Not determined.

**Vapor Pressure:**

Not determined.

**Vapor Density (air =1):**

2.1

**Relative Density (water=1):**

1.01

**Solubility(ies):**

Solubility in water: Completely soluble in water.

Solubility (other): No data available.

**Partition coefficient (n-octanol/water):**

Not determined.

**Auto-Ignition Temperature:**

Not determined.

**Decomposition Temperature:**

No data available.

**Viscosity:**

Not determined.

**Other Information:**

Molecular Weight: Mixture

Formula: Mixture

**Section 10: Stability and Reactivity****Reactivity**

No dangerous reaction known under conditions of normal use.

**Chemical Stability**

Material is stable under normal conditions.

**Possibility of Hazardous Reactions**

Hazardous polymerization does not occur.

**Conditions to Avoid**

Not determined.

**Incompatible Materials**

Not determined.

**Hazardous Decomposition Products**

Not determined.

**Section 11: Toxicological Information**

**Information on routes of exposure**

**Ingestion:** Harmful if swallowed.

**Inhalation:** May cause irritation to the respiratory system.

**Skin Contact:** May cause skin irritation.

**Eye Contact:** Causes eye irritation.

**Information on Toxicological Effects****Acute Toxicity (List all possible routes of exposure)****Oral**

Isopropanol: LD50 (Rat): estimated 5,840 mg/kg

Ethoxylated Alcohol: LD50 (Rat): 2,000 mg/kg

**Dermal**

Not data available.

**Inhalation**

Isopropanol: LD50 (Rabbit): > 12,800 mg/kg

**Repeated Dose Toxicity**

No data available.

**Skin Corrosion/Irritation**

May cause skin irritation.

**Serious Eye Damage/Eye Irritation**

Eye damage including blindness could result.

**Respiratory/Skin Sensitization**

May cause irritation to the respiratory system/skin.

**Carcinogenicity****IARC Monographs on the Evaluation of Carcinogenic Risks to Humans**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**US. National Toxicology Program (NTP) Report on Carcinogens**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Germ Cell Mutagenicity****In Vitro**

Not applicable.

**In Vivo**

Not applicable.

**Reproductive Toxicity**

Not determined.

**Specific Target Organ Toxicity – Single Exposure**

Not determined.

**Specific Target Organ Toxicity – Repeated Exposure**

Not determined.

**Aspiration Hazard**

Droplets of the product aspirated into the lungs through ingestion or vomiting may cause chemical pneumonia.

**Other Effects**

Not determined.

**Section 12: Ecological Information****Ecotoxicity****Acute Hazards to the Aquatic Environment****Fish**

No data available.

**Aquatic Invertebrates**

No data available.

**Toxicity to Aquatic Plants**

No data available.

**Chronic Hazards to the Aquatic Environment****Fish**

No data available.

**Aquatic Invertebrates**

No data available.

**Toxicity to Aquatic Plants**

No data available.

**Persistence and Degradability****Biodegradation**

This material is considered biodegradable.

**BOD/COD Ratio**

No data available.

**Bioaccumulative Potential****Bioconcentration Factor (BCF)**

This product is not expected to bioaccumulate.

**Partition Coefficient n-octanol / water (log Kow)**

No data available.

**Mobility in Soil**

No data available.

**Other Adverse Effects**

No data available.

**Section 13: Disposal Considerations****Disposal Instructions**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Contaminated Packaging**

Handle contaminated packages in the same way as the substance itself. Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks, and flames. Do not cut, puncture, or weld on or near this container. Follow label warnings until container is thoroughly cleaned or destroyed.

**Section 14: Transportation Information****US Department of Transportation (DOT)**

This material is not regulated as a hazardous material for transport by the U.S. Department of Transportation in accordance with 49 CFR 172.101.

**Section 15: Regulatory Information****US Federal Regulations****Toxic Substance Control Act (TSCA), Chemical Substance Inventory, Section 8(b)**

This product or ingredient(s) are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

**Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substance List (40 CFR 302.4)**

No chemical(s) in this material are subject to the reporting requirements of CERCLA.

**Clean Air Act (CAA), Section 112(r)**

No chemical(s) in this material are subject to the reporting requirements of CAA.

**Emergency Planning and Community Right-To-Know Act (EPCRA)****EPCRA 302 Extremely Hazardous Substance**

No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 302.

**EPCRA 304 Emergency Response Notification**

No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 304.

**EPCRA 311/312 Emergency and Hazardous Materials Reporting**

Fire Hazard: No  
Sudden Release of Pressure: No  
Reactive: No  
Acute (Immediate) Health Hazard: Yes  
Chronic (Delayed) Health Hazard: No

**EPCRA 313 Toxic Chemical Release Inventory (TRI) Reporting**

The following chemical(s) in this material are subject to reporting levels established by SARA Title III, Section 313:  
Isopropanol (CAS# 67-63-0)

**US State Regulations****California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

*Important Note: Due to the changing nature of regulatory requirements, the information in this document should NOT be considered all-inclusive or authoritative. Users should make their own investigations to determine the suitability of the information for their particular purposes. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements.*

**Section 16: Other Information****Hazardous Materials Identification System (HMIS®) Classification**

Health Hazard: 1  
Chronic Health Hazard: /  
Flammability: 0  
Physical Hazard: 0

(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

**National Fire Protection Association (NFPA 704) Rating**

Health Hazard: 1  
Fire Hazard: 0  
Reactivity Hazard: 0

Special: N/A

(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

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**Key to Abbreviations and Acronyms**

ATE - Acute Toxicity Estimate  
BCF - Bioconcentration Factor  
EC50 - Effective concentration, 50%  
IDHL - Immediately Dangerous to Life and Health  
Kg - Kilogram  
l - Liter  
lb - Pound  
LC50 - Lethal Concentration, 50%  
LD50 - Lethal Dose, 50%  
mg - milligram  
ml - milliliter  
N/A - Not Applicable  
N/D - Not Determined  
PEL - Permissible Exposure Limit  
REL - Recommended Exposure Limit  
STEL - Short-term Exposure Limit  
TWA - Time weighted average

ACGIH - American Conference of Industrial Hygienists  
AIHA - American Industrial Hygiene Association  
BEI - Biological Exposure Indices  
CAS - Chemical Abstracts Service  
DOT - US Department of Transportation  
EPA - US Environmental Protection Agency  
GHS - Globally Harmonized System of Classification and Labelling of Chemicals  
IARC - International Agency for Research on Cancer  
IATA - International Air Transport Association  
IBC - Intermediate Bulk Container  
IMDG - International Maritime Dangerous Goods  
NIOSH - National Institute for Occupational Safety and Health  
NTP - National Toxicology Program  
OSHA - US Occupational Health and Safety Administration  
SARA - US EPA Superfund Amendments and Reauthorization Act  
TSCA - US EPA Toxic Substances Control Act  
UN - United Nations

**References**

HSDB® - Hazardous Substances Data Bank

**Disclaimer**

The information in this SDS was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY

## SAFETY DATA SHEET

**Print Date:** February 21, 2020

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