

**SAFETY DATA SHEET****Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY**

**Product Identifier:** Jurox Teat Wipes

**Product Code:** 461350

**Proper shipping name:** SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (contains isopropanol)

**Recommended Use:** An isopropyl alcohol impregnated wipe for use in cattle to clean the teat prior to administration of an intramammary syringe.

**Restrictions on Use:** For animal treatment only.

**Company Identification:** Jurox Pty Limited

**Address:** 85 Gardiner Street,  
Rutherford, NSW 2320,  
Australia

**Email:** jenq@jurox.com.au

**Customer Centre:** 1800 023 312

**National Poisons Information Centre:** 13 1126 (Australia-wide)

**Emergency Telephone Number:** 1800 023 312 (9am – 5pm, Monday to Friday)

**Section 2: HAZARDS IDENTIFICATION**

**Hazard Classifications:** This product has been assessed according to GHS and is classified as follows:

GHS Category	Hazard code	Hazard Statement
Flammable Liquid Category 3	H226	Flammable liquid and vapour
Flammable Solid Category 1	H228	Flammable solid
Eye Irritation Category 2A	H319	Causes serious eye irritation

**Signal word:** DANGER

**GHS Pictograms:**



Flame Exclamation mark

**Precautionary statements:**Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.

Response

P370+P378 In case of fire: Use water jets for extinction.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal

P501 Dispose of product responsibly in a suitable landfill or recycle in an appropriate manner.

**Section 3: COMPOSITION / INFORMATION on INGREDIENTS**

INGREDIENT	CAS No.	CONTENT
Non woven fabric impregnated with		
Isopropyl alcohol	67-63-0	70 %
Water	7732-18-5	30 %

**Section 4: FIRST AID MEASURES**

**General Information:** Consult the National Poisons Centre on 13 1126 or a doctor immediately in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If medical advice/attention is needed, have this SDS, product container or label at hand.

**Symptoms and Effects of Exposure:** Signs of an acute overdose of isopropyl alcohol include: respiratory depression, hypotension, nausea, vomiting, and diarrhoea.

**Inhalation:** The product is unlikely to present an inhalation problem. If respiratory symptoms do occur, remove patient to fresh air. Lay patient down and keep warm and rested.

**Ingestion:** Due to the nature of the product, ingestion is unlikely to occur. However, if swallowed do NOT induce vomiting. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Contact a doctor or the National Poisons Centre on 13 1126 immediately.

**Skin:** If skin contact occurs flush with running water (and soap if available). Seek medical attention in event of irritation.

**Eye:** If eye contact occurs, rinse cautiously with water for at least 20 minutes. Continue rinsing. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. If eye irritation persists, get medical advice/attention.

**Recommended First Aid Facilities:** Ready access to running water and soap is required. Accessible eyewash is required.

**Advice to Doctor:** Contains isopropyl alcohol. Treat symptomatically.

### Section 5: FIRE FIGHTING MEASURES

**Flash Point:** ~ 24°C (TCC)

**Hazardous Combustion Products:** If involved in a fire, may emit noxious and irritant fumes.

**Extinguishing Media:** Alcohol stable foam, dry chemical powder, BCF (where regulations permit), carbon dioxide, water spray or fog (large fires only).

**Protective Equipment:** Protective gloves and breathing apparatus.

**HAZCHEM Code:** 1Z

### Section 6: ACCIDENTAL RELEASE MEASURES

**Spills and Disposal:** Due to the nature of the product spills are unlikely to occur. For clean up, no special protective clothing is normally necessary. Collect wipes and dispose of safely in an approved landfill.

**Protective Clothing:** For appropriate personal protective equipment see section 8.

**Environmental Precautions:** Prevent from entering drains, waterways or sewers. If wipes enter waterways contact local authority.

### Section 7: HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and inhalation of vapours. Take care to avoid accidental self-injection. Use personal protective equipment as required. Do not eat, drink or smoke while handling product.

**Storage:** Store below 25°C (air conditioning) away from foodstuffs.

**Other Information:** Avoid contact with incompatible substances as listed in Section 10. Always read the label before use.

**Section 8: EXPOSURE CONTROLS and PERSONAL PROTECTION**

This SDS describes personal protective measures relating to long term industrial and manufacturing exposure and emergency situations, such as accidents and spills. See product label for personal protective measures during normal use of the marketed product.

**Exposure Limits:** No exposure limits have been assigned for this product. Known exposure limits for ingredients are as follows:

Source	Ingredient	TWA	STEL
Australian Exposure Standards	Isopropyl alcohol	983 mg/m <sup>3</sup> / 400 ppm	1230 mg/m <sup>3</sup> / 500 ppm
New Zealand Workplace Exposure Standards (WES)	Isopropyl alcohol	983 mg/m <sup>3</sup> / 400 ppm	1230 mg/m <sup>3</sup> / 500 ppm

INGREDIENT	TEEL-1	TEEL-2	TEEL-3
Isopropyl alcohol	400 ppm	400 ppm	12000 ppm

**Engineering Controls:** Use only in a well-ventilated area away from sources of ignition.

**Personal Protective Equipment (PPE):**

Eye protection: Protective glasses or goggles are recommended when bulk quantities of this product are being handled.

Skin protection: When handling bulk quantities, prevent skin contact by wearing chemical protective gloves e.g. PVC.

Respiratory protection: Not required for the normal use of this product.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Plastic container containing non-woven wipes impregnated with an isopropyl alcohol solution with no residual free liquid.	<b>Upper / Lower Flammability or Explosive Limits:</b>	Not available
<b>Odour:</b>	Rubbing alcohol	<b>Vapour Pressure:</b>	Not available
<b>Odour Threshold:</b>	Not available	<b>Vapour Density:</b>	Not available
<b>pH:</b>	Not available	<b>Relative Density:</b>	Not available
<b>Melting Point / Freezing point:</b>	Not available	<b>Solubility:</b>	Not applicable
<b>Initial Boiling Point and Boiling Range:</b>	Not available	<b>Partition Coefficient:</b>	Not available
<b>Flashpoint:</b>	~ 21°C (for wipes)	<b>Auto-Ignition Temperature:</b>	456°C (for isopropyl alcohol >99%)
<b>Evaporation Rate:</b>	Not available	<b>Decomposition Temperature:</b>	Not available
		<b>Viscosity:</b>	Not applicable

## Section 10: STABILITY AND REACTIVITY

**Reactivity:** This product is unlikely to react or polymerise under normal storage conditions.

**Stability:** When stored appropriately this product should show no significant degradation within the expiry period shown on the label.

**Conditions to Avoid:** Heat, sparks, open flames and hot surfaces.

**Incompatible Materials:** Oxidising agents.

**Hazardous Decomposition Products:** No data available.

## Section 11: TOXICOLOGICAL INFORMATION

**Signs & Symptoms of Exposure:** Isopropyl alcohol can cause drowsiness, ataxia, stupor, coma and respiratory depression, irritation of mucous membranes and eyes, gastritis, gastric haemorrhage, vomiting, pancreatitis, cold clammy skin, hypothermia, miosis, tachycardia, slow and noisy respiration.

**Acute Toxicity:**

**Ingestion:** No data for the product is available. Based on available data for the ingredients, the mixture is not considered to be acutely toxic by the oral route.

Isopropyl alcohol: Oral LD<sub>50</sub>: > 3600 mg/kg (mouse).

**Inhalation:** No data for the product is available. Based on available data for the ingredients, the mixture is not considered to be acutely toxic by the inhalation route. Due to the nature of the product, exposure by inhalation is unlikely.

Isopropyl alcohol: Oral LC<sub>50</sub>: > 72.6 mg/L/4h (rat).

**Dermal:** No data for the product is available. Based on available data for the ingredients, the mixture is not considered to be acutely toxic by the dermal route.

Isopropyl alcohol: Oral LD<sub>50</sub>: > 12792 mg/kg (rabbit).

**Skin Corrosion / Irritation:** No data for the product is available. Based on available data for the ingredients, the product is not considered to be a skin irritant.

**Serious Eye Damage / Irritation:** No data for the product is available. Due to the presence of isopropyl alcohol the product is classified as **Eye Irritation Category 2**.

**Respiratory or Skin Sensitisation:** No data for the product is available. Based on available data for the ingredients, the product is not considered to be a skin sensitiser or a respiratory sensitiser.

**Germ Cell Mutagenicity:** No data for the product is available. Based on available data for the ingredients, the product is not considered to be mutagenic.

**Carcinogenicity:** No data for the mixture is available. Based on available data for the ingredients, the product is not considered to be carcinogenic.

**Reproductive Toxicity:** No teratogenic effects have been noted for isopropyl alcohol in animal studies.

**STOT: Single exposure:** No data for the product is available. Based on available data for the ingredients, the product is not considered to be a specific target organ toxicant after single exposure.

**STOT: Repeat exposure:** No data for the product is available. Based on available data for the ingredients, the product is not considered to be a specific target organ toxicant after repeated exposure.

**Aspiration hazard:** No data available.

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** The product is not considered to be toxic to the environment.

Fish

Isopropyl alcohol: LC<sub>50</sub> (96h) 183.8 mg/L, NOEC (5760h): 0.02 mg/L.

Crustacea

Isopropyl alcohol: EC<sub>50</sub> (48h): 12500 mg/L, EC<sub>50</sub> (384h): 42.4 mg/L.

Algae and other aquatic plants

Isopropyl alcohol: EC<sub>50</sub> (96h) 993.2 mg/L.

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation potential	Mobility
Isopropyl alcohol	LOW (Half-life = 14 days)	LOW (Half-life = 3 days)	LOW (LogKOW = 0.05)	HIGH (KOC = 1.06)

**Section 13: DISPOSAL INFORMATION**

**Product Disposal:** Dispose of product only by using according to label or at an approved landfill.

**Container Disposal:** Crush or puncture and bury in an approved landfill if an approved recycling system is not available.

**Section 14: TRANSPORT INFORMATION**

<b>Dangerous Goods Classification:</b>	Classified as a Dangerous Good according to the criteria of the Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.
<b>Proper Shipping Name:</b>	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (contains isopropanol)
<b>UN Number:</b>	3175
<b>Transport Hazard Class:</b>	4.1
<b>Packing Group:</b>	II
<b>HAZCHEM Code:</b>	1Z
<b>Limited quantities:</b>	ADG 7 specifies a Limited Quantity value of 1 kg for this class of product.

**Section 15: REGULATORY INFORMATION**

**Poison Schedule (SUSMP):** Not applicable

**APVMA No.:** Not applicable.

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

**Section 16: OTHER INFORMATION**

This information is based on data believed by Jurox Pty Limited to be accurate at the time of writing but is subject to change without notice. It is given in good faith, but no warranty expressed or implied is made as to its accuracy, completeness otherwise and no assumption of liability from howsoever arising is made by Jurox Pty Limited by reason of the provision of this information. Every person dealing with the materials referred to herein does so at his/her own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

**Legend:**

<b>CAS No.</b>	Chemical Abstracts Service Registry Number.
<b>EPA</b>	Environmental Protection Authority of New Zealand.
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals.
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters.
<b>KOC</b>	Soil-Water Partition Coefficient. The ratio of a chemical's concentration that is adsorbed in the soil to the concentration of chemical in solution.
<b>KOW</b>	Octanol Water Partition Coefficient. The ratio of a compound's concentration in a known volume of n-octanol to its concentration in a known volume of water after the octanol and water have reached equilibrium.
<b>LC<sub>50</sub></b>	The median lethal concentration, being a statistically derived concentration of a substance that can be expected to cause death in 50% of animals.
<b>LD<sub>50</sub></b>	The median lethal dose, being a statistically derived single dose of a substance that can be expected to cause death in 50% of animals.
<b>NOEC</b>	No-observable-effect-concentration.
<b>PPE</b>	Personal Protective Equipment.
<b>PVC</b>	Polyvinyl Chloride.
<b>SDS</b>	Safety Data Sheet.
<b>STEL</b>	Short Term Exposure Limits.
<b>STOT</b>	Specific Target Organ Toxicity.
<b>TCC</b>	Tag Closed Cup
<b>TEELs</b>	Temporary Emergency Exposure Limits. Guidelines designed to predict the response of members of the general public to different concentrations of a chemical during an emergency response incident.
<b>TEEL-1</b>	The airborne concentration of a substance above which it is predicted that the general population, including susceptible individuals, could experience notable discomfort, irritation, or certain asymptomatic, nonsensory effects. However, these effects are not disabling and are transient and reversible upon cessation of exposure.
<b>TEEL-2</b>	The airborne concentration of a substance above which it is predicted that the general population, including susceptible individuals, could experience irreversible or other serious, long-lasting, adverse health effects or an impaired ability to escape.
<b>TEEL-3</b>	The airborne concentration of a substance above which it is predicted that the general population, including susceptible individuals, could experience life-threatening adverse health effects or death.
<b>TWA</b>	Time-Weighted Average. The average amount of a substance a person can be exposed to over an eight-hour day.
<b>WES</b>	Workplace Exposure Standards, New Zealand.



**References:**

ChemID Plus

EPA New Zealand Chemical Classification and Information Database (CCID)

HSDB (Hazardous Substances Data Bank)

**This version issued:** 6 July 2016 and is valid for 5 years from this date.

**Supersedes:** This is the first SDS for this product.

**Revision History:**

Date of Revision	Reason

**END OF SDS**