
MATERIAL SAFETY DATA SHEET

Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY

Product Name:	Triffik Pour-On Lice Destroyer
Product Code:	502970 (5 L); 502975 (20 L)
Recommended Use:	A pour-on solution for the control of lice on sheep
Company Identification:	Jurox Pty Limited
Address:	85 Gardiner Road Rutherford NSW 2320 Australia
Customer Centre:	1800 023 312
National Poisons Information Centre:	131126 (Australia-wide)
Emergency Telephone Number:	1800 023 312

Section 2: HAZARDS IDENTIFICATION

Hazard Classifications:	Considered a Hazardous Substance according to the criteria of NOHSC Australia. Not considered a Dangerous Good according to the criteria of the Australian Dangerous Goods (ADG) Code.
Poisons Schedule:	S5
Risk phrases:	Causes skin irritation Causes eye irritation May damage fertility or the unborn child May cause damage to organs through prolonged or repeated exposure Toxic to aquatic life with long lasting effects Toxic to terrestrial invertebrates
Safety phrases:	Keep out of reach of children Read label before use Do not handle until all safety precautions have been read and understood Obtain special instructions before use Keep away from flames and hot surfaces. No smoking. Wash hands thoroughly after handling Do not eat, drink or smoke when using this product Wear protective gloves and eye/face protection Use personal protective equipment as required Avoid breathing vapours Avoid release to the environment If exposed or concerned, get medical advice/attention If medical advice is needed, have product container or label at hand If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. If on skin, wash with plenty of soap and water If skin irritation or rash occurs, get medical advice/attention Get medical advice/attention or call a POISON CENTRE or doctor / physician if you feel unwell Specific treatment (see Section 4: First Aid Measures) Wash contaminated clothing before re-use In case of fire: Use extinguishing media suitable for surrounding area. Collect spillage

Section 3: COMPOSITION / INFORMATION on INGREDIENTS

INGREDIENT	CAS No.	CONTENT
Triflumuron	64628-44-0	2.5%
N-methyl-pyrrolidone	87-50-4	29%
Glycolethers		>60%
Other non-hazardous ingredients		<10%

Section 4: FIRST AID MEASURES

First Aid Measures:	Consult the National Poisons Centre on 131126 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 product container or label at hand.
Inhalation:	Remove patient to fresh air. Lay patient down and keep warm and rested. If breathing is shallow or has stopped, ensure airway is clear and apply resuscitation. If breathing is difficult, give oxygen. Seek medical assistance immediately.
Ingestion:	If swallowed, DO NOT induce vomiting. Rinse mouth. Keep subject warm and at rest. For advice, contact the National Poisons Centre on 131126. Seek medical assistance immediately.
Skin:	If skin contact occurs, wash affected area thoroughly with plenty of soap and water for at least 15 minutes. If skin irritation or rash occurs, get medical advice/attention. Remove and wash / dispose of contaminated clothing promptly.
Eye:	If eye contact occurs, rinse cautiously with water for at least 15 minutes. Continue rinsing. If eye irritation persists, get medical advice/attention.
Chronic:	Repeated exposure to triflumuron may result in effects on the haemopoietic system. Repeated exposure to N-methyl-pyrrolidone may affect male and female fertility and cause defects of development.
Advice to Doctor:	No specific antidote. Treat symptomatically. Triflumuron is a chitin inhibitor and of low oral toxicity to mammals. Effects of solvent ingestion or aspiration are likely to be a more important consideration. If vomiting is induced, suggest endotracheal and/or oesophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Only induce vomiting if conscious.

Section 5: FIRE FIGHTING MEASURES

Flash Point:	88°C (combustible).
Hazardous Combustion Products:	If involved in a fire, may emit noxious fumes. Expansion on heating may lead to violent rupture of containers.
Extinguishing Media:	There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.
Protective Equipment:	Gas-tight chemical resistant suit, protective gloves and breathing apparatus
HAZCHEM Code:	None specified

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill and sweep up / absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Ventilate area and wash spill site after pick-up complete. Dispose of waste 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 spill does enter waterways contact local authority.

Section 7: HANDLING AND STORAGE

Handling:	Avoid contact with skin, eyes and inhalation of vapours. Use personal protective equipment as required. No smoking while handling product.
Storage:	Keep out of reach of children Store below 30°C, and away from foodstuffs. Keep away from flames and hot surfaces.
Other Information:	Always read the label before use. See label for further information on handling and storage.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	No exposure limits have been assigned for this product. Avoid breathing vapours. Do not handle until all safety precautions have been read and understood. Avoid contact during pregnancy/while nursing.
Protective Equipment:	When using the product, wear protective gloves, clothing and eyewear.
Engineering Controls:	Handle in a well ventilated area.
Hygiene Precautions:	Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face thoroughly before meals and after handling. Wash protective clothing daily after work. Contaminated clothing should not be allowed out of the workplace.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear blue liquid
Specific Gravity:	0.95 – 1.00
Solubility in Water:	Miscible with water
Flash Point:	88°C (combustible).
pH:	Not applicable

Section 10: STABILITY AND REACTIVITY

Stability:	When stored appropriately this product should show no significant degradation for at least 24 months from the date of manufacture
Hazardous Polymerisation:	Not known to occur
Materials to Avoid:	Not applicable

Section 11: TOXICOLOGICAL INFORMATION

Inhalation:	Inhalation of vapours or aerosols (mists, fumes), generated by the material during the course of normal handling, may be harmful.
Ingestion:	May be harmful if swallowed Triflumuron: Oral LD50; >5000 mg/kg (rat)
Skin:	Causes skin irritation
Eye:	Causes eye irritation.
Chronic Effects:	There is limited evidence that skin contact with this product is more likely to cause a sensitisation reaction in some persons compared to the general population. Sensitisation may result in allergic dermatitis responses including rash, itching, hives or swelling of extremities. Triflumuron has been shown to have effects on the haemopoietic system in rats.
Reproductive Toxicity:	Reproductive and developmental studies in animals exposed to N-methyl-pyrrolidone showed effects including reduced male and female fertility and reduced mean offspring weight at birth and through lactation, resorptions, malformations, reduced litter size and reduced postnatal survival.

Mutagenicity: Not considered to be mutagenic, based on the results of animal studies.

Carcinogenicity: Not considered to be carcinogenic, based on the results of animal studies.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic life with long lasting effects
Toxic to terrestrial invertebrates

Triflumuron: Daphnia EC50 (48 h) 0.225 mg/l

Triflumuron is toxic to bees.

Bioaccumulation: No bioaccumulation

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

Dangerous Goods Classification: Not classed as a Dangerous Good for transport purposes by road, sea or air

Section 15: REGULATORY INFORMATION

APVMA Registration No: 58326

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.