



**MATERIAL SAFETY DATA SHEET**  
**PRODUCT NAME: TZRAON – Wasp Killer**

ISSUE 02

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JANUARY 2018

**1 PRODUCT AND COMPANY IDENTIFICATION:**

PRODUCT DESCRIPTION: HOUSEHOLD INSECTICIDE AEROSOL SPRAY FOR WASP

MANUFACTURER: SASA TECH AGRICULTURE COOPERATIVE ASSOCIATION LTD.  
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MARKETING: R.P.C. LTD. MOSHAV NES HARIM. P.O.BOX 128 - 9988500

**2 HAZARDS IDENTIFICATION**

**Risk advice to man and the environment**

Extremely flammable. Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

Eyes: May irritate eyes.  
No adverse effects expected when used as directed.

Skin effects: May irritate skin.  
No adverse effects expected when used as directed.

Inhalation: Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal. No adverse effects expected when used as directed.

Ingestion: May cause abdominal discomfort.  
No adverse effects expected when used as directed.

Potential Environment effects: Very toxic to aquatic organism; may cause term adverse effects in the aquatic environment.

**3 COMPOSITION/ INFORMATION ON INGREDIENTS**

CHEMICAL NAME	CAS No.	EINECS No	Symbol (s)	R-phrased (s)	Weight %
Butane/Propane (LPG propellant)	68476-85-7 270-704-2		F+	R12	>= 30.00 - < 55.00
Low boiling point hydrogen treated naphtha (petroleum solvent)	64742-49-0 265-151-9		Xn	R65	>= 1.00 - < 5.00
Propan-2-ol	67-63-0 / 200-661-7		F, Xi	R11 R36 R67	>= 1.00 - < 10.00
Cypermethrin	52315-07-8/257-742-9		Xn, N	R20/22 R37 R50/53	>= 0.05 - < 0.10
Tetramethrin	7696-12-0/231-711-6		N	R50/53	>= 0.05 - < 0.50
Piperonyl Butoxide	51-03-6/200-076-7		N	R50/53	>= 0,50 - < 2.00

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#### 4 FIRST AID MEASURES

Inhalation:	Move to fresh air. If breathing is affected, get medical attention.
Skin contact:	Rinse with plenty of water. Get medical attention if irritation develops and persists.
Eye contact:	Rinse with plenty of water. Get medical attention if irritation develops and persists.
Ingestion:	If swallowed, do not induce vomiting: seek medical advice immediately, show this container, and label.

#### 5 FIRE – FIGHTING MEASURES

Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards during fire fighting:	In case of fire and/or explosion do not breathe fumes. Exposure to decomposition products may be a hazard to health. Heating may cause an explosion.
Special protective Equipment for fire-fighters:	Refer to current standard as appropriate. Wear suitable protective clothing and gloves. In event of fire, wear self-contained breathing apparatus.
Further information:	Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed in accordance with local regulations.

#### 6 ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use personal protective equipment. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapour can accumulate in low areas.
Environmental precautions:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods for cleaning up:	If damage occurs to aerosol can: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local regulations (see section 13)



**7 HANDLING AND STORAGE**

**Handling**

Advice on safe handling: Do not breathe vapours or spray mist.  
 For personal protection see section 8.  
 Do not smoke.  
 Take precautionary measures against static discharges.  
 Do not use in areas without adequate ventilation.  
 Do not puncture.

Advice on protection against fire and explosion: Use on explosion-proof equipment.  
 Do not spray on naked flame or any other incandescent material. Take measures to prevent build up of electrostatic charge. Keep away from heat and sources of ignition.

**Storage**

Storage conditions: BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. No smoking. Store in cool place. Keep out of reach of children.

Storage stability: No decomposition if stored and applied as directed.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Components	CAS No.	mg/m3	ppm	List
L.P.G	68476-85-7	1,810	750	UK_WELSTEL
		1,450	600	UK_WELTWAS
Propane-2-ol	67-63-0	1,250	500	UK_WELSTEL
		999	400	UK_WELTWAS
Pyrethrins and Pyrethroids		1		EUOEL_TWAS
		1		UK_WELTWAS
Piperonyl Butoxide				No specific limit values had established

**Personal protective equipment**

Hand protection: Wear suitable gloves. Before removing gloves clean them with soap and water.

Eye protection: No special requirements.

Skin and body protection: Wash contaminated clothing before re-use.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.



## 9 PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

Form:	Aerosol
Colour:	clear
Odour:	characteristic

### Safety data:

Flash point:	< -7°C
Flammability:	sustains combustions

## 10 STABILITY AND REACTIVITY

Conditions to avoid:	Heat, flames and sparks.
Material to avoid:	None.
Hazardous decomposition products:	Stable under normal conditions.
Hazardous reactions:	None known.

## 11 TOXICOLOGICAL INFORMATION

Acute oral toxicity:	LD <sub>50</sub> calculated > 5.000 mg/kg.
Acute dermal toxicity:	LD <sub>50</sub> calculated > 5.000 mg/kg.
Acute inhalation toxicity:	LC <sub>50</sub> calculated > 68 mg/liter.
Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal. Excessive exposure to spray mist, for or vapour can cause respiratory irritation.	
Skin irritation:	May cause skin irritation in susceptible persons.
Eye irritation:	May irritate eyes.

## 12 ECOLOGICAL INFORMATION

### Further information on ecology

Additional ecological Information:	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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## 13 DISPOSAL CONSIDERATION

Product:	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Disposal should be in accordance with local, state or national legislation.
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**14 TRANSPORT INFORMATION:**

**LAND TRANSPORT:**

ADR:

UN-NUMBER: 1950

Class: 2

ADR/RID-Labels 2.2

Packaging group

Proper shipping name: UN1950 AEROSOLS, asphixiant, 2.2

**SEA TRANSPORT**

IMDG

UN-NUMBER: 1950

Class: 2

Packaging group

ADR/RID-Labels 2

Proper shipping name: UN1950 AEROSOLS, asphixiant, 2.2

EmS F – D, S – U

Marine pollutant

**Air transport**

Refer to IATA.ICAO Dangerous Goods Regulations for detailed instructions when shipping this item by air.

**15 REGULATORY INFORMATION, CLASSIFICATION AND LABELING ACCORDING TO EEC DIRECTIVE**

Symbol (s):



(T) Toxic



(F+) Extremely Flammable



(Xi) Irritant



(N) Dangerous for the Environment

Hazardous component that must be listed on the label:

Cypermethrin

Tetramethrin

Piperonyl Butoxide

**R- PHRASES:**

R12: Extremely flammable.

R20 Harmful by Inhalation.

R36/37/38: Irritant to eyes, respiratory system and skin.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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**15 REGULATORY INFORMATION, CLASSIFICATION AND LABELING ACCORDING TO EEC DIRECTIVE - continuation**

**S- PHRASES:**

- S2: Keep out of reach of children  
S13: Keep away from food. Drink and animal feeding stuffs  
S15: Keep away from heat  
S16: Keep away from sources of ignition – No smoking.  
S20/21: When using does not eat, drink or smoke.  
S23: Do not breathe spray.  
S24/25: Avoid contact with skin and eyes.  
S26: In case of contact with eyes, rinse with plenty of water and seek medical advice.  
S28: After contact with skin, wash with a plenty of soap and water.  
S29: Do not empty into drains.  
S45: In case of accident or if you feel unwell, seek medical advice (show the label or can where possible)  
S51: Use only well-ventilated areas.

**Special labeling:**

Use only as directed.  
Remove or covers aquariums and animal cages before application.  
Turn-off aquarium air-filter during use.  
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

**16 OTHER INFORMATION**

THE MINISTRY OF ENVIRONMENT PROTECTION DETERMINED THAT THE USAGE OF THIS PRODUCT/ SUBSTANCE IN CONTRADICTION TO THE ENCLOSED INSTRUCTION MAY ENDANGER THE ENVIRONMENT AND PUBLIC HEALTH AND IS AGAINST THE LAW. THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET, IS AS ACCURATE POSSIBLE TO THE BEST OF SASATECH KNOWLEDGE AT THE TIME IT WAS COMPLIED, USERS ARE FURTHER REMINDER OF THE POSSIBLE RISKS OF USING A PRODUCT FOR PURPOSES OTHER THAN THOSE WHICH IT WAS INTENDED.

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**SIGNED: TRIGUBOFF BERNARDO**

**TECHNICAL, CHEMICAL & REGULATORY CONSULTANT**

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