

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

PRODUCT NAME: 400 ML KILLTOX INSECTICIDE AEROSOL

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses INSECTICIDE AEROSOL
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Manufacturer KOZMO KİMYA SAN. VE DIŞ. TİC.LTD.ŞTİ
Velimeşe Organize Sanayi Bölgesi
212. Sok. No :1/1
Ergene/TEKİRDAĞ
90 282 676 46 80
info@kozmozkimya.comContact Person production@kozmozkimya.com

1.4. Emergency telephone number

KOZMO KİMYA: +90 212 771 2211 (working hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)
Physical and Chemical Hazards Flam. Aerosol 1; H222,H229
Gases under pressure;Liquefied gas
Human health May cause skin reactions in rare cases.
Environment Aqua.Acute Cat 1; H400

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

Hazard Pictograms :



Signal Word Danger

SECTION 2: HAZARDS IDENTIFICATION

Hazard Statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H410	Very toxic to aquatic life with long lasting effects

Precautionary Statements

P102	Keep out of reach of children
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211	Do not spray on an open flame or other ignition source
P251	Pressurized container: Do not pierce or burn, even after use.
P273	Avoid release to the environment.
P391	Collect spillage.
P410+403	Protect from sunlight. Store in a well-ventilated place.
P410+412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F
P501	Dispose of contents/container to regulation.

2.3. Other hazards

This product does not contain any PBT or vPvB substances

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	EC No	%by Weight	Hazard Statement Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Permethrin	52645-53-1	258-067-9	0,20	H302,H332,H317,H400,H410
d-tetramethrin	1166-46-7	214-619-0	0,20	H302,H332,H400,H410
Piperonyl Butoxide	51-03-6	200-076-7	0,20	H400,H410
Solvent	64742-48-9	265-150-3	34,20	H226,H336i,H304
Perfume	N/A	N/A	0,20	H411,H319,H317
Liquified Petroleum Gas (LPG)	68476-85-7	270-704-2	65,00	H220,H280

SECTION 4- FIRST AID MEASURE

4.1. Description of first aid measures

General information

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues

Inhalation

In case of inhalation of spray mist: Move person into fresh air and keep at rest. Provide rest, warmth and fresh air.
Get medical attention if any discomfort continues

Ingestion

Immediately rinse mouth and provide fresh air.

Skin contact

Get medical attention if any discomfort continues.

SECTION 4- FIRST AID MEASURE

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues

4.2. Most important symptoms and effects, both acute and delayed

Inhalation

Dizziness.

Ingestion

Nausea, vomiting.

Skin contact

No specific symptoms noted.

Eye contact

May cause temporary eye irritation

4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use: Powder. Dry chemicals, sand, dolomite etc.

Unsuitable extinguishing media

DO NOT use water if avoidable

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Aerosol cans may explode in a fire.

Specific hazards

In case of fire, toxic gases may be formed. Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Special Fire Fighting Procedures

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours. Avoid breathing fire vapours. Move container from fire area if it can be done without risk. Be aware of danger for fire to restart. Dike and collect extinguishing water.

Protective equipment for fire-fighters

Face mask, protective gloves and safety helmet. Self contained breathing apparatus and full protective clothing must be worn in case of fire

SECTION 6- ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8. Do not smoke, use open fire or other sources of ignition.

SECTION 6- ACCIDENTAL RELEASE MEASURES**6.2. Environmental precautions**

Avoid discharge into water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. COLLECT

6.4. Reference to other sections

For personal protection, see section 8.
For waste disposal, see section 13.

SECTION 7- HANDLING AND STORAGE**7.1. Precautions for safe handling**

Read and follow manufacturer's recommendations. Eliminate all sources of ignition. Do not eat, drink or smoke when using the product. Protect against direct sunlight

7.2. Conditions for safe storage, including any incompatibilities

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Keep away from heat, sparks and open flame. Protect against physical damage and/or friction. Do not store near heat sources or expose to high temperatures.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2

SECTION 8- EXPOSURE CONTROLS AND PERSONEL PROTECTION**Hand protection**

Use protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Use eye protection.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke

Skin protection

Protection suit must be worn

Engineering measures

Provide adequate general and local exhaust ventilation

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Colour	Clear liquid
Odour	Characteristic
Physical state	Aerosol
Density @ 20 °C (g/ml)	0,76-0,84
Vapour pressure @ 40 °C (kPa)	700 (propellant)
Vapour density	No data available
Melting point	No data available
Flash point	-104°C (propellant)
pH	5,0-8,0
Solubility	Dispersible
Viscosity @ 20 °C (cPs)	0,845
Can pressure @ 20 °C (bar)	4-6

9.2. Other information

No information required

SECTION 10- STABILITY AND REACTIVITY**10.1. Reactivity**

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions

10.3. Possibility of hazardous reactionsHazardous Polymerisation
Unknown.**10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materialsMaterials To Avoid
Strong acids. Strong oxides.**10.6. Hazardous decomposition products**Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).**SECTION 11- TOXICOLOGICAL INFORMATION****Toxicological information on ingredients****D-TETRAMETHRIN**Oral LD₅₀ (mg/kg) > 5000 Species : Rat
Dermal LD50 (mg/kg) > 2000 Species : RatEye irritation : Non-irritating Species : Rabbit
Skin irritation : Minimal irritating Species : Rabbit**PIPERONYL BUTOXIDE**Oral LD₅₀ (mg/kg) > 11500 Species : Rat
Dermal LD50 (mg/kg) > 1880 Species : Rabbit
Inhalation LC50 (mg/L) : 5,9 Species : RatEye irritation : Non-irritating Species : Rabbit
Skin irritation : Non-irritating Species : Rabbit
Sensitisation : Non-irritating Species : Rabbit

SECTION 11- TOXICOLOGICAL INFORMATION**PERMETHRIN**LD50 oral rat 250 mg/kg
LD50 dermal > 2000 mg/kg RabbitEye irritation : Non-irritating Species : Rabbit
Skin irritation : Non-irritating Species : Rabbit
Sensitisation : Minimal irritation in unwashed eyes**SECTION 12- ECOLOGICAL INFORMATION****D-TETRAMETHRIN****Environmental / Ecological Effects** : Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Do not contaminate steams, rivers or waterways with the chemical or used containers.

EC50 (48H) : Daphnia - 0,15µ/L

LC50 (96h) : Rainbow trout -0,69µ/L

PIPERONYL BUTOXIDE**Environmental / Ecological Effects** : Acute oral LD50 for bobwhite quail > 2250 mg/kg
LC50 (24h) Carp / 5,3mg/L**PERMETHRIN****LC50 Fish (96 hours)** Minimum: 0,00062 mg/l
Maximum: 24,4 mg/l
Median: 0,0072 mg/l**LC50 Crustaceans (48 hours)** Minimum: 0,00025 mg/l
Maximum: 38,1 mg/l
Median: 0,00275 mg/l**SECTION 13-DISPOSAL CONSIDERATIONS****General information**

When handling waste, consideration should be made to the safety precautions applying to handling of the product

13.1. Waste treatment methods

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements. Environmental manager must be informed of all major spillages.

SECTION 14- TRANSPORT INFORMATION**14.1. UN number**

UN No. (ADR/RID/ADN)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

14.2. UN proper shipping name

Proper Shipping Name : Aerosols, flammable

14.3. Transport hazard class(es)

ADR/RID/ADN	Class 2.1
ADR/RID/ADN	Class Class 2: Gases.
ADR Label No.	2.1
IMDG Class	2.1
ICAO Class/Division	2.1

SECTION 14- TRANSPORT INFORMATION

Transport Labels



14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

EMS F-D, S-U
Tunnel Restriction Code (D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information required

SECTION 15 REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Uk Regulatory References

Highly Flammable Liquid Regulations 1972.

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.
Introduction to Local Exhaust Ventilation HS(G)37.
CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. System of specific information relating to Dangerous Preparations. 2001/58/EC.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out

SECTION 16- OTHER INFORMATION**Hazard Statements In Full**

H220	Extremely flammable gas
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H226	Flammable liquid and vapour
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H317	May cause an allergic skin reaction
H315	Causes skin irritation
H304	May be fatal if swallowed and enters airways
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use