

KOZMO CHEMICAL INDUSTRY AND FOREIGN TRADE LTD.  
MATERIAL SAFETY DATA SHEET  
This form has been prepared according to 91/155/EEC  
and R.G 26/12/2008 (fundamantion and method of MSDS preparation)

PRODUCT NAME:KILLTOX INSECTICIDE  
PREPARATION DATE 20.03.2013  
MSDS NO : K-002  
REVISION :

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**SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME : KILLTOX INSECTICIDE

PRODUCT USE :Household:Insecticide

COMPANY NAME - Kozmo Chemical Industry and Foreign Trade Ltd  
Atatürk Sanayi Bölgesi Dr. Mithat Martı Cad.  
352. Sk. No:2 Hadımköy/istanbul/TURKEY

EMERGENCY NUMBER :+90 212 771 22 11

**SECTION 2- COMPOSITION INFORMATION ON IGREDIENTS**

Ingredients	CAS #	%by Weight	SYMBOLS	RISK PHRASES	SAFETY PHRASES
Tetramethrin	7696-12-0	0,20	None	R36/37/38	S(2-)-13-24-36/37/39-60-61
Permethrin	52645-53-1	0,20	Xn, N	R20/22-43-50/53	S(2-)-13-24-36/37/39-60-61
Piperonyl Butoxide	51-03-6	0,40	X	R23/24/25-40	S23-26-36/37/39-45
Solvent	8008-20-6	50,20	Xn	R65	S2-23-24-62
Propellant	68512-91-4	49,00	F+	R12	S2-9-16-21

**SECTION 3- HAZARD IDENTIFICATION**

PHYSIO-CHEMICAL HAZARDS : F+ Extremely Flammable. Keep away from sources of ignition.Do not store at temperatures above 50 C. Do not smoke when using.

HEALTH HAZARDS :Xn Harmful may cause lung damage if swallowed. Keep out of reach of children

ENVIROMENTAL HAZARDS :N Very toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment

**SECTION 4- FIRST AID MEASURE**

INGESTION	:Immediately drink plenty of water.Make the person vomit.Seek medical attention
INHALATION	:Remove the person to fresh air and keep at rest in a comfortable position. Obtain medical advise.
SKIN CONTACT	:Remove contaminating clothing. Wash skin with plenty of water using soap if available. if symptoms develop or persist. Consult a doctor.
EYE CONTACT	:Rinse the eyes with penty fo water. If symptoms develop or persist consult a doctor

**SECTION 5- FIRE FIGHTING MEASURES**

FLASH POINT	:Closed cup: <-7°C (19,4°F)(for propellant)
FLAMMABLE CLASS	:NFPA 30B level 1 aerosol
EXTINGUISHING AGENT	:CO2, foam, dry chemical.Water fog
COMBUSTION PRODUCT	:Normal products of combustion
FIRE FIGHTING	:Fight fire from maximum distance or protected area.cool and use caution when approaching or handling fire-exposed containers. Fire fighters should wear self-contained breathing apparatus and protective clothing
SPECIAL REMARKS	:Aerosol product:containers may rocket or explode in heat of fire

**SECTION 6- ACCIDENTAL RELEASE MEASURES**

CLEAN UP METHODS	:eliminate all ignition sources. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize.Do not let spilled or leaking material enter watercourse.Dispose of in accordance with local regulations.
PERSONAL PRECAUTIONS	:Use individual protective equipment
ENVIRONMENTAL PROTECTION	Very toxic to aquatic organisms and may cause long term adverse effects

**SECTION 7- HANDLING AND STORAGE**

HANDLING	:Ensure good ventilation /exhausting at the work place. Wash hands after handling.
STORAGE	:Store in cool location observe official regulations on storing packagings with pressured containers.Avoid contact with skin eyes and clothing. Avoid contact with food and drink remove plants pats birds and cover and turn off fish aquariums before spraying Keep out of reach of children.

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**SECTION 7- HANDLING AND STORAGE**

**FIRE PROTECTION** :CONTENTS UNDER PRESSURE.Do not smoke. Do not puncture or incinerate.Keep away from sunlight and temperatures above 50°C. Do not open by fire or throw into fire even after use.Do not spray on flames or red-hot objects.

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

**EXPOSURE CONTROLS** :For further data see item 7

**PERSONAL PROTECTION** RESPIRATORY:Not required, but ensure adequate ventilation when using  
VENTILATION: No special requirements  
HANDS: no special requirements under normal use conditions  
EYES: no special requirements under normal use conditions

**SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE** :Dispensed as a spray mist  
**APPEREANCE** :Transparent liquid  
**COLOUR** :Clear  
**SPECIFIC GRAVITY** :0,81  
**SOLUBILITY IN WATER** :Appreciable  
**MELTING POINT** :Not avaliable  
**BOILING POINT** :Not avaliable

**SECTION 10- STABILITY AND REACTIVITY**

**STABILITY** Stable under normal conditions  
**REACTIVITY** Avoid contact with strong acids and oxidising agents  
**DECOMPOSITION** Produces normal products of combustion

**SECTION 11- TOXICOLOGICAL INFORMATION****ACUTE TOXICOLOGY****ORAL LD50 FOR RATS**

Permethrin :500mg/kg  
Tetramethrin :4600mg/kg  
Pipernyl Butoxide :6150mg/kg

**CANCINOGENICITY** None known

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**SECTION 11- TOXICOLOGICAL INFORMATION**

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**MUTAGENICITY** None known

ALSO SEE SECTION 3 AND 15

**SECTION 12- ECOLOGICAL INFORMATION**

Very toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment

**SECTION 13-DISPOSAL CONSIDERATIONS**

No special methods are necessary, but disposal should be according to the requirements of local regulations.

**SECTION 14- TRANSPORT INFORMATION**

LAND TRANSPORT ADR/RID

ADR/RID Class :2.1  
UN number :1950  
Correct Technical Name :Aerosol

REMARK: :UN 1950 is required according to ADR-regulations  
:AEROSOLS is required according to IMDG-regulations

MARITIME TRANSPORT IMDG/GGV SEA

IMDG/GGV Sea Class :2.1  
UN Number :1950  
Marine Pollutant :Yes  
Correct Technical Name :Aerosol

AIR TRANSPORT ICAO-TI AND IATA-DGR

ICAO/IATA Class :2.1  
UN number :1950  
Correct Technical Name :Aerosol

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### SECTION 15 REGULATORY INFORMATION

DESIGNATION ACCORDING TO EC GUIDELINES	:The product has been labelled in accordance with EC Directives/relevant national laws
SPECIAL DESIGNATION OF CERTAIN PREPERATIONS	:Pressured container. Protect from sunlight and not expose to temperatures exceeding 50 C. Do not pierce or burn even after use. Do not spray on a naked flame or any incandescent material
RISK PHRASES	R12 : Extremely flammable R65:Harmful may cause lung damage if swallowed R50/53:Very toxic to aquatic organisms and may cause long term adverse effects to aquatic organisms.
SAFETY PHRASES	S2 : Keep out or reach of children S9 : Keep the can in well ventilated area S16 : Keep away from sources of ignition- No smoking

### SECTION 19- OTHER INFORMATION

#### R PHRASES USED IN THIS DOCUMENT

- R12 :Extremely flammable
- R20/22 :Harmful by inhalation and if swallowed.
- R23/24/25:Toxic by inhalation, in contact with skin and if swallowed.
- R36/37/38 :Irritating to eyes,respiratory system and skin
- R40 :Limited evidence of a carcinogenic effect
- R43 :May cause sensization by skin contact
- R50/53 :Very toxic to aquatic organisms and cause long term adverse effects in the aquatic environment
- R65 :Harmful : may cause lung damage if swallowed

#### S PHRASES USED IN THIS DOCUMENT

- S2 :Keep out or the reach of children
- S9 :Keep container in a well ventilated place
- S13 :Keep away from food, drink and animal foodstuffs
- S16 :Keep away from sources of ignition
- S23 :Do not breathe vapour
- S24 :Avoid contact with skin
- S26 :in case of contact with eyes rinse immediately with plenty of water and seek medical advise
- S36/37/39:Wear suitable protective clothing, suitable gloves and eye/face protection.
- S45 :in case of accident or if you feel unwell,seek medical advise immediately.
- S60 :this material and its container must be disposed of as hazardous waste.
- S61 :Avoid release to the environment. Refer to special instructions/safety data sheets.
- S62 :If swaalowed do not induce vomiting; seek medical advise immediately and show this container or label

#### **Notice to Reader**

*The information provided in this MSDS is correct to the best of our knowledge, information and belief at the date of its publication and is in our opinion consistent with the state of general scientific and technical knowledge at that date, but we can not accept liability for loss,injury or damage which may result froam its use. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond sellers's control. Use is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.*

