

KOZMO CHEMICAL INDUSTRY AND FOREIGN TRADE LTD.
MATERIAL SAFETY DATA SHEET
This form has been prepared according to 91/155/EEC
and 11/03/200-24692 (fundamantation and method of MSDS preparation)

PRODUCT NAME:KILLTOX ELECTRO LIQUID
PREPARATION DATE :21.03.2013
MSDS NO : K-009
REVISION :

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SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : KILLTOX ELECTRO LIQUID

PRODUCT USE :Household:Insect Repellant

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

EMERGENCY NUME:+90 212 771 22 11

SECTION 2- COMPOSITION INFORMATION ON IGREDIENTS

Ingredients	CAS #	%by Weight	SYMBOLS	RISK PHRASES	SAFETY PHRASES
Esbiothrin	84030-86-4	3,12	Xn , N	R20/22 R50/53	S2-36-60-61
Antioxidan	not established	1,00	not established	not established	not established
Solvent	64742-47-8	95,88	Xn	R65	S2-23-24-62

SECTION 3- HAZARD IDENTIFICATION

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 :>77°C (171F) (ASTM D-93) (For Solvent)
AUTOIGNITION TEMPERATURE : 251°C 484°F (Approximately) (For Solvent)
EXTINGUISHING AGENT :CO2, foam, dry chemical.Water fog
FIRE HAZARDS : Combustible Liquid
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

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. Avoid contact with skin
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.
FIRE PROTECTION :Combustible liquid. Keep away from heat.

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

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SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

APPEREANCE :Transparent liquid
COLOUR :yellowish
RELATIVE DENSITY :0,798 (at 15,6⁰C) (For Solvent)
SOLUBILITY IN WAT :Appreciable
MELTING POINT :Not avaiable
BOILING POINT :200⁰C (392⁰F)-250⁰C (482⁰F) (For Solvent)

SECTION 10- STABILITY AND REACTIVITY

STABILITY Stable under normal conditions
REACTIVITY Avoid contact with strong acids and oxidising agents. Avoid contact with heat and other ignition sources.
DECOMPOSITION Produces normal products of combustion

SECTION 11- TOXICOLOGICAL INFORMATION**Acute Toxicity For Esbiothrin**

ORAL Toxic LD50: 378-432mg/kg (rat)
DERMAL Low Toxicity LD50:>2000mg/kg (rabbit)
INHALATION Moderate Toxic LC50(4 hours):2,63mg/L (rat)

CANCINOGENICITY None known

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.

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SECTION 14- TRANSPORT INFORMATION

US Dot Information Not Applicable
Shipping Name Killtox Electro Liquid
TDG Classification Not Applicable
Packing Group Not Applicable

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 Combustible liquid. Keep away from heat. Keep out of reach of children. Use only as directed
RISK PHRASES R20/22-50/53-65
SAFETY PHRASES S2-23-24-36-60-61-62

SECTION 16- OTHER INFORMATION**R PHRASES USED IN THIS DOCUMENT**

R20/22 :Harmful by inhalation and if swallowed.
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
S23 :Do not breathe vapour
S24 :Avoid contact with skin
S36 :Wear suitable protective clothing
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.