

**KEMFAC COMPANY LIMITED**

25/13 MOO 10 SUKHUMVIT 103 RD.,
NONGBON, PRAWET BANGKOK 10250
THAILAND TEL. (662)-726-2329 (10 LINES)
FAX. (662) 328-1196

**MATERIAL SAFETY DATA SHEET
CYPERMETHRIN 25% EC W/V****SECTION I****MATERIAL IDENTIFICATION**

Material name

Cypermethrin 25% EC

Other designations

(RS)-Alpha-cyano-3-phenoxybenzyl-(1-RS)-cis,
Tran-3-(2,2-dichlorovinyl)-2, 2-dimethyl
Cyclopropane carboxylate

Description

Insecticide with contact and stomach action.

SECTION II**INGREDIENTS AND HAZARDS**

Cypermethrin

25% w/v min.

Inert material

Balance

Hazard data

Rat Oral LD50 : 1,000 mg/kg a.i.
Toxic to fish and bees.

Exposure limits

Occupational exposure level and biological
Exposure level – 1 pound per acre

SECTION III**PHYSICAL DATA**

Molecular weight

416.3

Specific gravity at 20° C

0.96

Appearance and odour

Yellow liquid with mild chemical odour.

Acidity

0.15 % max

SECTION IV**FIRE AND EXPLOSION DATA**

Flash point (° C) and method

above 50° C

Autoignition temperature (° C)

58° C



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Cypermethrin itself is not in the flammable range (pure) but will burn producing harmful Vapour. The solvent xylene in Technical concentrate and in formulation is highly Flammable.

Incase of fire, use dry powder, CO₂ or alcohol resistant foam as extinguisher. Do not use water.

Flash point for technical grade concentrate 28-30°C (closed cup)

SECTION V

REACTIVITY DATA

Hydrolyses in contact with alkaline substances.

Cypermethrin decomposes exothermally (38 KJ/mol) at about 220° C.

SECTION VI

HEALTH HAZARD INFORMATION

No case of poisoning in man has been reported. Symptoms of ataxia and convulsions Observed in purposeful over-exposure in animal experiments.

FIRST - AID

Eye contact

Skin contact

Inhalation

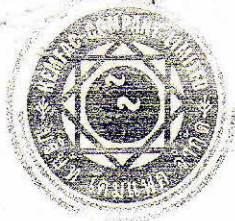
Ingestion

Flush with clean water for at least 10 minutes.
Remove all contaminated clothing and wash affected skin with water, and then wash with soap and water.

Highly improbable due to low volatility. Remove victim to fresh air.

Do not induce vomiting. No specific antidote. Refer to medical attention and treat symptomatically. Main hazard with liquid formulation is aspiration of the solvent into the lungs resulting in chemical pneumonitis. Get medical help for gastric lavage.

**OBTAIN MEDICAL ATTENTION
IMMEDIATELY**



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SECTION VII

SPILL, LEAK AND DISPOSAL PROCEDURES

Small spill

Absorb with sawdust, sand or earth, shovel up and burn in a safe place. Soak contaminated area with 10% Na_2CO_3 solution for 24 hours.

Large spill

Contain the liquid by absorbing in sand or earth. Transfer to a salvage tank, otherwise treat as for a small spillage. Inform, local authorities, in case of contamination in surface water drains

SECTION VIII

SPECIAL PROTECTION INFORMATION

Ensure that the advice/instructions given under personal hygiene/safety is strictly followed at all times.

Wear safety goggles, PVC gloves, protective clothing and face-shields while handling.

SECTION IX

SPECIAL PRECAUTIONS AND COMMENTS

Store in well sealed containers in a cool, dry place in relatively isolated area.

