MATERIAL SAFETY DATA SHEET

Section 1: Product And Company Identification

Product Name	:	BORER KILLER
Chemical Name	:	Not applicable
Chemical Formula	:	Mixture
Molecular Weight	:	Mixture
Chemical Family	:	Pyrethroid (synthetic)
Use	:	BORER KILLER is a concentrated insecticide formulation for the treatment of timber
Supplier's Name	:	Mander Paint Co., LTD
Tel. No.	:	02 - 9451785 - 6

Section 2: Composition

Chemical name	CAS no.	Proportion
Cypermethrin	-	10-30 %
Inert Ingredient	-	70-90%

Section 3: Physical And Chemical Properties

Appearance	:	Clear amber liquid
Odor	:	Irritating, slightly pungent
Solubility organic	:	Miscible with water and common solvent
Boiling point	:	165 ° C
Melting Point (C)	:	-
Vapor Pressure	:	2.3 x 10 -7 Pa (20°C)
Percent Volatiles	:	-
Evaporation Rate	:	-
Vapor Density	:	-
Specific Gravity	:	0.91 @ 20°C
Other properties	:	-

Section 4: Hazard Identification

1. Proposed classification	:	Pesticide, liquid, toxic, flammable, UN 2903	Class 6.1 Group 3, marine pollutant
2. Most Important hazard	:	R10	Flammable
		R22	harmful if swallowed
		R43	may cause sensitization by inhalation
		R50	Very toxic to aquatic organism
		R57	Toxic to bees

Section 5: First Aid Measures

Eye contact	:	Immediately wash out with plenty of water. Seek medical advice if necessary.
Skin Contact	:	Remove contaminated clothing immediately wash out with plenty of water for several minutes. Seek medical advice.
Inhalation	:	Remove person to fresh air. Keep warm and at rest, in half upright position. Loosen clothing. Seek medical advice immediately.

Section 6: Fire Fighting Measures

The product is flammable (R10)

Flash Point (closed cup)	:	47 °C
Auto ignition temperature	:	-
Flammable Limit (%)	:	-
Explosion Properties	:	
Extinguishing Media	:	Water spray or fog, dry chemical or CO2. Do not use water jet.
Fire Fighting Instruction	:	Prevent run off water from entering drains if possible. Smoke from fire is toxic. Take precaution to protect personnel from exposure. Keep container(s) exposed to fire cool, by spraying with water.

Section 7: Accidental Release Measures

Immediate actions	:	Shut off all ignition sources Contain spillage by any means possible.
Clear up actions	:	Absorb spillage in earth, sand, sawdust or other inert material. Place in appropriate metal or plastic containers. Seal containers and label them. Remove contaminated material to safe location for subsequent disposal.

Section 8: Handling and Storage

Handling	:	Wear suitable protective clothing, eye / face protection and gloves. Keep away from source of ignition-No smoking.
Storage	:	Keep locked up and out of reach of children. Opened containers should be carefully resealed and stored in upright position.

Section 9: Exposure Control And Personal Protection

a) Exposure Limit	:	Not available
b) Personal Protection	:	Wear suitable protective clothing, including eye / face protection and gloves (nitrile are recommended)

Section 10: Stability And Reactivity

Conditions to avoid	:	Keep away from heat, sparks and open flame.
Incompatibles	:	Strong alkalis (strong bases), strong oxidizers, fire and explosion hazard
Decomposition products	:	Thermal decomposition may emit toxic fumes of hydrogen cyanide, chlorine and oxides of nitrogen and carbon.
Hazardous Polymerization	:	Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

Section 11: Toxicological Information

Toxicity Data LD50 (oral, rat) >2000 mg/kg

LD50 (skin, rabbit) >2000 mg/kg

May cause sensitization by skin contact.

Inhalation of solvent vapors may give rise to nausea, headaches and dizziness

Section 12: Ecological Information

Very toxic to aquatic organism.

Toxic to bees

Marine pollutant

Section 13: Disposal Consideration

Dispose in accordance with all applicable national environmental laws and regulations

Section 14: Transport Information

Pesticide, liquid, toxic, flammable, UN 1903. class 6.1, Group 3