



MATERIAL SAFETY DATA SHEET

Revised 15th October, 2006

WOODWORM KILLER

SECTION 1: IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

Product/Material: **WOODWORM KILLER**
Product Type: **Solvent Based HSE Approved**
Supplier: R.K. & J. Jones Limited
Address: Southery Road, Feltwell
 Thetford, Norfolk, IP26 4EH, UK.
Telephone: 01842 828101

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Name</u>	<u>EC No:</u>	<u>CAS No:</u>	<u>Content</u>	<u>Classification</u>
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY,LOW BOILING POINT HYDROGEN		64742-48-9	60-100%	Xn,R65. R10,R66
Permethrin		52645-53-1	<1%	Xn,R22. N;R51,R57

The full text for all R-Phrases are displayed in Section 16

SECTION 3: HAZARDS IDENTIFICATION

Flammable. Repeated exposure may cause skin dryness or cracking. Harmful: may cause lung damage if swallowed.

CLASSIFICATION Xn;R65. R10, R66

SECTION 4: FIRST AID MEASURES

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

Inhalation: Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

Ingestion: DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

Skin Contact: Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye Contact: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes and get medical attention.

SECTION 5 : FIRE FIGHTING MEASURES

- Extinguishing Media:** Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc. Water spray, fog or mist. DO NOT use direct water jet as this will scatter and spread the fire.
- Special Fire fighting Procedures:** Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.
- Unusual Fire & Explosion Hazards:** Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back. May form explosive mixture with air particularly with in empty uncleaned receptacles.
- Specific Hazards:** Fire creates: Dense acrid smoke. Carbon dioxide (CO₂). Carbon Monoxide (CO)
- Protective measures in fire:** Wear self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Ventilate area. Avoid breathing vapours. Remove all sources of ignition. Wear suitable protective clothing as specified under section 8 of this safety data sheet – Exposure Controls and Personal Protection.
- Spill Clean up methods:** Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of in accordance with Local Authority Regulations via a licensed waste carrier. Do not contaminate water sources or sewer.

SECTION 7 : HANDLING AND STORAGE

- Usage Precautions:** Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
- Storage Precautions:** Store in tightly closed original container in a cool, dry well-ventilated place. Keep in original container.
- Storage Class:** Flammable liquid storage.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient Comments: OES = Occupational Exposure Standard



- Protective Equipment:**
- 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.
- Hand Protection:** Use protective gloves made of: Nitrile or Neoprene.
- Eye Protection:** Wear approved safety goggles.

- Other Protection:** Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
- Hygiene Measures:** DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

- Appearance:** Liquid
Odour: Hydrocarbon
Solubility Description: Insoluble in water
Boiling Point(°C): 150 – 200 760mm Hg
Vapour Density (air=1) >1
Viscosity: 1.09 cSt @ 40°C
Flash Point: 44 CC (closed cup)
Auto Ignition Temperature(°C) 230
Colour: Colourless
Physical data comments: Information given concerns the major ingredient.
Relative density: 0.77 @ 15°C
Vapour pressure: 3 mbar @ 37.8°C

SECTION 10 : STABILITY AND REACTIVITY

- Stability:** Stable under normal temperature conditions.
- Conditions to avoid:** Avoid contact with acids oxidising substances.
- Hazardous decomposition Products:** Fire creates: Toxic gases/vapours/fumes of: Carbon Monoxide (CO) and Carbon Dioxide (CO₂)

SECTION 11: TOXICOLOGICAL INFORMATION

- Toxic does 1 – LD 50** >3000 mg/kg (oral rat)
- Inhalation:** Exposure to organic solvent vapours in excess of the stated occupational exposure limit may result in adverse effects such as irritation of the mucous membrane and the respiratory system and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
- Ingestion:** Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Significant absorption may cause sleepiness, intoxication and pulmonary oedema.
- Skin Contact:** Repeated or prolonged contact with organic solvents may cause removal of natural fats from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.
- Eye Contact:** Spray and vapour in the eyes may cause irritation and smarting.
- Health Warnings:** The product causes irritation of mucous membranes and may cause abdominal discomfort if swallowed.
- Target Organs:** Skin. Eyes. Respiratory System, lungs.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:	Dangerous to fish and other aquatic organisms. Toxic to bees. LC50, 96 hrs, FISH mg/l <100
Mobility:	Water, insoluble: the product spreads over the surface of the water and will slowly evaporate. Soil: the product has only slight mobility in the soil and will partially evaporate.
Bioaccumulation:	Likely to bioaccumulate, but with short retention time in the order of a week or less.
Degradability:	Readily biodegradable. The biodegradability after 28 days was found to be 314% when expressed as a ratio of the biochemical oxygen demand (BOD) to the chemical oxygen demand (COD).
Acute Fish Toxicity:	Dangerous to fish and other aquatic organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods:	Dispose of waste and residues in accordance with local authority requirements.
Waste Class:	This material should be considered as 'Special Waste' and disposal should conform to the relevant regulations.

SECTION 14 : TRANSPORT INFORMATION

Label:			
UK Road Class:	3		
Proper shipping name:	Petroleum distillates, N.O.S. or Petroleum products, N.O.S (Naphtha (Petroleum), Hydrotreated heavy; low boiling point hydrogen)		
UN Road No:	1268	UK Road Pack GR:	III
ADR Class No:	3	ADR Class:	Class 3 flammable
ADR Pack Group:	III	Hazard No.(ADR)	30
ADR Label No:	3	Hazchem code:	3Y
CEFIC TEC(R) No:	30GF1-III	RID Class No:	3
RID Pack Group:	III	UN No. Sea:	1268
IMDG Class:	3	IMDG Page No:	3
IMDG Pack GR:	III	EMS:	F-E, S-E
MFAG:	See guide	Marine pollutant:	No
UN No.Air:	1268	ICAO Class:	3
Air Pack GR:	III		

SECTION 15 : REGULATORY INFORMATION

Supply:	
Contains:	NAPHTHA (PETROLEUM), HYDROTREATED HEAVY; LOW BOILING POINT HYDROGEN.
Risk Phrases:	R10 Flammable R66 Repeated exposure may cause skin dryness or cracking R65 Harmful: may cause lung damage if swallowed.

Safety Phrases:	S2 Keep out of reach of children S13 Keep away from food, drink and animal feeding stuffs. S37 Wear suitable gloves S46 If swallowed, seek medical advice immediately and show this container or label. S51 Use only in well ventilated areas. S56 Dispose of this material and its container to hazardous or special waste collection point. S60 This material and its container must be disposed of as hazardous waste. S62 If swallowed, do not induce vomiting, seek medical advice immediately and show this container or label.
Environmental Listing:	Rivers (Prevention of pollution) Act 1961. Control of pollution (Special Waste Regulations) Act 1980.
EU Directives:	System of specific information relating to Dangerous Preparations. 2001/58/EEC.
Statutory Instruments:	Chemicals (Hazard Information and Packaging) Regulations
Approved code of practice:	Classification and labelling of substances and preparations dangerous for supply.
Guidance Notes:	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS (G) 37. CHIP for everyone HSG (108)

SECTION 16 : OTHER HEALTH AND SAFETY INFORMATION

Information sources:	Dangerous Properties of Industrial Materials Report, N.Sax et.al.
Risk phrases in full:	R10 Flammable R22 Harmful if swallowed R51 Toxic to aquatic organisms R57 Toxic to bees R65 Harmful: may cause lung damage if swallowed R66 Repeated exposure may cause skin dryness or cracking.

References should be made to the Health & Safety at Work Act.

Disclaimer:

If this product is re-distributed and re-formulated for sale, details of its hazards and recommended methods for safe handling must be passed to customers. Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.

Note: The information contained in this Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other Health & Safety Legislation (e.g. the Health and Safety at Work Act, 1974; the control of Substances Hazardous to Health Regulations, 1988). The data given here is based on current knowledge and experience. The purpose of this data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.

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