



HARMFUL

MSDS Ref:
TR 206

Triton Systems
Units 3-5 Crayford Commercial Centre, Greyhound Way
Crayford, Kent DA1 4HF
Tel: 01322 318830 Fax: 01322 524017
www.tritonsystems.co.uk info@tritonsystems.co.uk

Publication date
27/03/1997

Revision date
12/08/2011

1. PRODUCT NAME: TRIMETHRIN 2 OS HSE No. 4621

2. HAZARD IDENTIFICATION



HARMFUL

Repeated exposure may cause skin drying and cracking
Flammable
Harmful: May cause lung damage if swallowed.

3. COMPOSITION

HAZARDOUS INGREDIENT
Permethrin
De-aromatised White Spirit

| CAS No. | EC No. | Weight % | Symbols | Risk Phrases |
|------------|-----------|----------|---------|---------------|
| 52645-53-1 | 258-067-9 | 0.2 | Harmful | R22 |
| 64742-48-9 | 265-150-3 | 99.8 | Harmful | R65, R66, R10 |

4. FIRST AID

CONTACT WITH SKIN: Wash with plenty of soap and water for at least 5 minutes.

CONTACT WITH EYES: Wash out with water for several minutes. If redness and/or irritation persists, seek medical advice.

INGESTION: Rinse the mouth (do not swallow), and give water or milk to drink. Seek medical advice. DO NOT INDUCE VOMITING.

INHALATION: Remove to fresh air if fumes cause irritation of nose or throat.

OTHER INFORMATION: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Dry powder or foam. For small fires use CO₂. Never use water jet. Flash point 40°C.

SPECIAL PROTECTIVE EQUIPMENT: For fires in confined spaces, use breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear suitable protective clothing appropriate to the amount involved, which may include eye/face protection, PVC or synthetic rubber gloves, protective footwear, overalls.

ENVIRONMENTAL PRECAUTIONS: Do not allow to enter public sewers and watercourses. If this cannot be avoided, inform the appropriate authority.

CLEAN-UP PROCEDURES: Absorb in dry sand or earth or similar absorbent and shovel into a suitable closed container for disposal according to item 13.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS

Observe good hygiene standards and minimise skin contact.
Wear suitable protective clothing according to item 8.

STORAGE INFORMATION

Keep containers tightly closed in a cool place, out of direct sunlight. Keep stored well ventilated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



Where prolonged or repeated exposure is likely, protective clothing should be worn, including eye protection and PVC or synthetic rubber gloves.

If spraying wear suitable respiratory protection, either an air-fed mask or cartridge type respirator fitted with a suitable cartridge.

Wash hands and exposed skin before meals and after work. Do not eat, drink or smoke whilst handling the product.

Do not wear contaminated clothing. Ventilate confined spaces thoroughly.

EXPOSURE LIMITS

LTEL for solvent: 1000mg/m³ (8 hr. TWA) OES 5mg/m³ oil mist.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------------|--------------------------|-----------------------|--------------------------|
| Appearance | Clear, colourless Liquid | Oxidising Properties | None |
| Odour | Paraffinic | Vapour Pressure | <10 mbar@ 38.8°C |
| pH | Not relevant | Relative density | 0.81 (15°C) |
| Boiling Point | 160°C to 200°C | Bulk density | Not Relevant |
| Melting Point | Not Relevant | Viscosity | 1.09cSt @ 40°C |
| Flash Point | 40° min | Solubility | insoluble in water |
| Autoignition temperature | 230°C | Partition Coefficient | No data |
| Explosive properties | LEL 0.6%, UEL 8.0% | Other data | Benzene content <0.1% wt |

10. STABILITY/REACTIVITY

STABILITY:

Stable under normal conditions of use.

CONDITIONS TO AVOID:

High temperatures (flash point 40°C)

MATERIALS TO AVOID:

Strong oxidising agents, strong acids, alkalis and halogens.

11. TOXICOLOGICAL INFORMATION

Toxicity following a single exposure to high levels of the solvent component is of a low order. Prolonged and repeated contact may cause drying of the skin and possibly dermatitis. Prolonged inhalation of spray mist may cause inflammation of the lungs. The major hazard is lung damage from aspiration – medical supervision for 24-48 hours is recommended if aspiration could have occurred.

The Permethrin may cause a stinging or burning sensation on the skin (without lesions).

LD₅₀ oral (rat) > 5000mg/kg (by calculation)



12. ECOLOGICAL INFORMATION

| | |
|----------------|--|
| MOBILITY: | In water the product is insoluble and will spread over the surface possibly affecting oxygen transfer. Likely to evaporate readily. In soil the product has only slight mobility and will partially evaporate. |
| DEGRADABILITY: | Readily Biodegradable (White spirit) |
| ACCUMULATION: | Has the potential to bioaccumulate. Log Pow = 4.07 |
| ECOTOXICITY: | Highly toxic to fish. Marine pollutant (IMDG code) |

13. DISPOSAL CONSIDERATIONS

| | |
|------------------------|---|
| DISPOSAL OF PRODUCT: | Chemical residues are normally regarded as Special Waste. Dispose of in accordance with local and national regulations. Can be burned in domestic refuse incinerators in accordance with local regulations. |
| DISPOSAL OF PACKAGING: | Uncleaned packaging should be treated as for the product. If thoroughly rinsed, it may be treated as general waste for incineration or landfill, according to regulations. |

14. TRANSPORT INFORMATION

| | |
|-----------------------|--------------------------------------|
| UN NO. | None assigned (1268 as white spirit) |
| PROPER SHIPPING NAME | |
| EMERGENCY ACTION CODE | 3[Z] (suggested) |
| ADR/RID | Not classified as hazardous |
| IMCO | Not classified as hazardous |
| | MFAG Table No. |
| | EmS No. |
| ICAO/IATO | Not classified as hazardous |
| PACKING GROUP | <input type="checkbox"/> |
| LABEL | Marine pollutant |



15. REGULATORY INFORMATION

| | |
|-----------------|--|
| CLASSIFICATION | Harmful |
| R-PHASES: | R10 Flammable R65 Harmful: may cause lung damage if swallowed R66 Repeat exposure may cause skin drying and cracking |
| SAFETY PHRASES: | WASH ANY CONTAMINATION from skin or eyes immediately. WASH HANDS AND EXPOSED SKIN before meals and after use. Keep only in the original container. Keep container tightly closed. KEEP IN A SAFE PLACE. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS. Keep out of the reach of children. Keep away from sources of ignition – No smoking. If swallowed, do not induce vomiting: Seek medical advice immediately and show this container and label. Use only in well ventilated areas. VENTILATE TREATED AREAS THOROUGHLY after application. UNTIL DRY, TREATED SURFACES CAN POSE A FIRE RISK. |



To avoid risks to man and the environment, comply with the instructions for use.

This product is approved under the Control of Pesticides Regulations 1986 (as amended) for use as directed. HSE No. 4621

LABEL INFORMATION:

WOOD PRESERVATIVE FOR PROFESSIONAL USE AGAINST WOOD DESTROYING INSECTS.

PRECAUTIONS:

The (COSHH) Control of Substances Hazardous to Health Regulations 1999 may apply to the use of this product at work.

FOR USE ONLY BY PROFESSIONAL OPERATORS

Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment.

Wear suitable protective clothing, gloves and eye/face protection.

AVOID EXCESSIVE CONTAMINATION OF COVERALLS AND LAUNDRER REGULARLY.

Do not breathe spray. Otherwise wear respiratory protective equipment and eye protection (see HSE Guidance Booklet HS(G) 53: "The Selection, Use and Maintenance of Respiratory Protective Equipment – A Practical Guide").

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

UNPROTECTED PERSONS AND ANIMALS SHOULD BE KEPT AWAY FROM TREATED AREAS FOR 48 HOURS OR UNTIL SURFACES ARE DRY.

DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES.

COVER WATER STORAGE TANKS before application.

THIS MATERIAL AND ITS CONTAINER must be disposed of in a safe way.

AVOID ALL CONTACT WITH PLANT LIFE.

Do not contaminate ground, waterbodies or watercourses with chemicals or used container.

REMOVE OR COVER ALL FISH TANKS AND BOWLS before application.

EXTREMELY DANGEROUS TO FISH AND OTHER AQUATIC LIFE.

ALL BATS ARE PROTECTED UNDER THE WILDLIFE AND COUNTRYSIDE ACT 1981. BEFORE TREATING ANY STRUCTURE USED BY BATS, CONSULT ENGLISH NATURE, SCOTTISH NATURAL HERITAGE OR THE COUNTRYSIDE COUNCIL FOR WALES.

DO NOT USE ON BEEHIVES OR BEEKEEPING EQUIPMENT.

In case of fire use foam/dry powder/CO₂. DO NOT USE WATER.

READ ALL PRECAUTIONS BEFORE USE. HSE NO. 4621

Refer to other relevant legislation such as the Health and Safety at Work etc Act (HSWA), THE Control of Substances Hazardous to Health Regulations (COSHH), the Environment Protection Act and the Control of Pollution Act.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risk as required by health and safety legislation.

16. OTHER INFORMATION

The information contained in this data sheet is to the best of our knowledge accurate at the date of publication, but we cannot accept responsibility that it is sufficient or correct in all cases.

The data contained herein does not constitute a specification. Such information is available from the technical data sheet for the product.

Abbreviations: OES – occupational exposure standard. STEL – short-term exposure limit. LTEL – long term exposure limit. TWA – time weighted (8 hour) average. LEL – lower explosive limit. UEL – upper explosive limit.