



MSDS Ref:
TR 218

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
13/07/1998

Revision date
25/08/2011

1. PRODUCT NAME: **TRITEC 121 PLUS HSE NO. 6538**

2. HAZARD IDENTIFICATION



Irritant - Irritating to eyes and skin
Risk of serious damage to eyes.
May cause sensitisation by skin contact
Dangerous for the environment.

3. COMPOSITION

Hazardous ingredient	CAS No.	EC No.	Weight %	Symbols	Risk Phrases
Permethrin	52645-53-1	258-067-9	4.6	Xn, Harmful	R22
Propiconazole	60207-90-1		9.8	Xn, Harmful N, Dangerous for the environment.	R22, R50/53
Fatty alcohol ethoxylate	68439-46-3		28-32	Xi	R41

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. Seek medical advice.
INGESTION:	Rinse the mouth (do not swallow), and give copious fluids to drink. DO NOT INDUCE VOMITING. Obtain medical attention.
INHALATION:	Remove to fresh air. Keep warm and at rest.
OTHER INFORMATION:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	As appropriate to surrounding fire.
SPECIAL PROTECTIVE EQUIPMENT:	Wear breathing apparatus in confined spaces.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Wear suitable protective clothing including eye / face protection and 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

Material should only be handled by trained personnel. Wear suitable protective clothing according to item 8.

STORAGE INFORMATION

Protect from frost. Keep containers tightly closed in a cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



Wear goggles or face shield, PVC or synthetic rubber gloves, protective footwear and overalls.
If spraying wear suitable respiratory protection, either an air-fed mask or cartridge type respirator fitted with a P2 or P3 cartridge. Wash hands and exposed skin before meals and after use. Do not eat, drink or smoke whilst handling the product. Do not wear contaminated clothing.

EXPOSURE LIMITS

None prescribed in EH40

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Liquid	Oxidising Properties	None
Odour	Very slight odour	Vapour Pressure	No Data
pH	Neutral	Relative density	1.01 – 1.03 (15°C)
Boiling Point	>100°C	Bulk density	Not Relevant
Melting Point	Below 0°C	Viscosity	Similar to water
Flash Point	Above 93°C	Solubility	Miscible with water
Autoignition temperature	No data	Partition Coefficient	No data
Explosive properties	No data	Other data	

10. STABILITY/REACTIVITY

STABILITY:

Stable.

CONDITIONS TO AVOID:

No special requirements.

MATERIALS TO AVOID:

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: LD₅₀ >10,000mg/KG, by calculation. May produce a transient burning or stinging sensation (without lesions) on exposed skin.

12. ECOLOGICAL INFORMATION

MOBILITY:

The water-miscibility of the product suggests that it is likely to leach from soil into groundwater. There is no available data on sorption/desorption.

DEGRADABILITY:

Biodegradable in natural media. No data on persistence.

ACCUMULATION:

There is no evidence for bioaccumulation or biomagnification.

ECOTOXICITY:

Extremely toxic to fish (Permethrin LC₅₀ 96h (trout) 0.009mg/l)



13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT: Chemical residues are normally regarded as Special Waste. Dispose of in accordance with local and national regulations (most likely to be incineration).

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
PROPER SHIPPING NAME
EMERGENCY ACTION CODE
ADR/RID Not regulated
IMCO Not classified as hazardous for carriage by sea
MFAG Table No.
EmS No. --

IATA/IACO
PACKING GROUP None assigned
LABEL Marine pollutant



15. REGULATORY INFORMATION

CLASSIFICATION Irritating to eyes and skin
Risk of serious damage to eyes

SAFETY PHRASES
Keep away from food, drink and animal feeding stuffs
Keep out of reach of children
Keep only in the original container
Keep container tightly closed.
KEEP IN SAFE PLACE
ENSURE ADEQUATE VENTILATION before reoccupation
WASH ANY CONTAMINATION from exposed skin and eyes immediately.
WASH HANDS AND EXPOSED SKIN before meals and after use.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
MAY CAUSE SENSITISATION BY SKIN CONTACT.
DANGEROUS FOR THE ENVIRONMENT.
TOXIC TO AQUATIC ORGANISMS.
MAY CAUSE LONGTERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

THIS PRODUCT IS APPROVED UNDER THE CONTROL OF PESTICIDES REGULATIONS 1986 FOR USE AS DIRECTED, HSE No. 6539.

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

LABEL INFORMATION
FOR USE ONLY AS A WOOD PRESERVATIVE
FOR USE ONLY BY PROFESSIONAL OPERATORS

READ ALL PRECAUTIONS BEFORE USE

The (COSHH) Control of Substances Hazardous to Health Regulations 1994 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 LAUNDER 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.

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

WHEN USING DO NOT EAT, DRINK OR SMOKE

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

EXCLUDE ALL UNPROTECTED PERSONS AND ANIMALS DURING TREATMENT AND FOR AT LEAST 1 HOUR AFTER TREATMENT IS COMPLETED.

ENSURE THERE IS A PHYSICAL BARRIER TO PREVENT CONTACT BY UNPROTECTED PERSONS AND ANIMALS UNTIL TREATED SURFACES ARE VISIBLY DRY.

EXTREMELY DANGEROUS TO FISH AND OTHER AQUATIC LIFE.

REMOVE OR COVER FISH TANKS AND BOWLS before application.

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

COVER WATER STORAGE TANKS before application.

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. READ ALL PRECAUTIONS BEFORE USE

HSE No. 6539

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.

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.