



Irritant

Triton Chemical Manufacturing Co. Ltd

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1. PRODUCT NAME: **TRITEC 120 PLUS** **HSE NO. 6537**

2. COMPOSITION

Hazardous ingredient	CAS No.	EC No.	Weight %	Symbols	Risk Phrases
Permethrin	52645-53-1	258—067-9	2.3	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

3. HAZARD IDENTIFICATION

Irritant



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

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 assigned in EH40

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear liquid

Odour Very slight odour

pH Neutral

Boiling point >100°C

Melting point Below 0°C

Flash point Above 93°C

Flammability/autoflammability No data

Explosive properties No data

Oxidising properties None

Vapour pressure No data

Relative density 1.02 – 1.04 (15°C)

Bulk density Not relevant

Viscosity Similar to water

Solubility Miscible with water

Partition coefficient 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 LC ₅₀ 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.
ICAO/IATA	--
PACKING GROUP	None assigned
LABEL	Marine pollutant

**15. REGULATION INFORMATION**

CLASSIFICATION	Irritating to eyes and skin Risk of serious damage to eyes May cause sensitisation by skin contact Dangerous for the environment.
SAFETY PHRASES	Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Keep only in original container. Keep container tightly closed. KEEP IN A SAFE PLACE. ENSURE ADEQUATE VENTILATION before re-occupation. WASH ANY CONTAMINATION from skin or eyes immediately. WASH HANDS AND EXPOSED SKIN before meals and after use. IRRITATING TO EYES AND SKIN. 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.

(CONTD.)

15. REGULATORY INFORMATION (CONT'D)

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. 6537.

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

LABEL INFORMATION:

WOOD PRESERVATIVE FOR PROFESSIONAL USE AGAINST WOOD ROTTING FUNGI AND WOOD DESTROYING INSECTS.

FOR USE ON WOOD OUT OF GROUND CONTACT OR SURFACE WATER CONTACT.

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 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 ALL 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. 6537.

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.
