



Irritant

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MSDS Ref:	Publication date	Revision date
TR206	27/03/97	17/02/04

1. PRODUCT NAME: **TRIMETHRIN 2 OS** **HSE NO. 4621**

2. COMPOSITION

Hazardous ingredient	CAS No.	EC No.	Weight %	Symbols	Risk Phrases
Permethrin	52645-53-1	258-067-9	0.2	Irritant	R22
Odourless Kerosene	64742-47-8	265-149-8	99.8	Harmful	R22

3. HAZARD IDENTIFICATION



Irritant

Irritant – irritating to eyes and skin
 Flammable (flash point 77°C)
 Harmful if swallowed

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 CO ₂ . Never use water jet. Flash point 77°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.
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(Contd.)

6.ACCIDENTAL RELEASE MEASURES (contd.)

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	No data
PH	Not relevant	Relative density	0.81 (15°C)
Boiling point	200° to 260°C	Bulk density	Not relevant
Melting point	Not Relevant	Viscosity	2.25cS @ 20°C
Flash point	77°C	Solubility	Insoluble in water
Autoignition temperature	230°C	Partition coefficient	No data
Explosive properties	LEL 0.6%,UEL 7.0%	Other data	

10.STABILITY/REACTIVITY

STABILITY Stable under normal conditions of use.

CONDITIONS TO AVOID High temperatures (flash point 77°C)

MATERIALS TO AVOID Strong oxidising agents.

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) > 10,000mg/kg (by calculation)

12. ECOLOGICAL INFORMATION

MOBILITY	Likely to be mobile in the soil. Take care to avoid contamination of groundwater.
DEGRADABILITY	Biodegrades slowly.
ACCUMULATION	There is no evidence for bioaccumulation or biomagnification.
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
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	
LABEL	Marine pollutant



15. REGULATORY INFORMATION

CLASSIFICATION Irritant

LABEL INFORMATION

PRECAUTIONS

FLAMMABLE. DO NOT APPLY in the presence of naked flames, hot surfaces or unprotected electrical equipment.

ENSURE ADEQUATE VENTILATION when applying.

WEAR SUITABLE PROTECTIVE CLOTHING, NAMELY OVERALLS AND SYNTHETIC/PVC GLOVES when handling.

AVOID WORKING IN SPRAY MIST or wear suitable respiratory equipment and eye protection.

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before meals and after work.

COVER ALL FOODSTUFFS BEFORE APPLICATION.

DO NOT APPLY TO SURFACES on which food is prepared.

CHILDREN AND PETS SHOULD BE KEPT AWAY FROM TREATED AREAS FOR 48 HOURS OR UNTIL DRY.

VENTILATE CONFINED SPACES THOROUGHLY.

EXTREMELY DANGEROUS TO FISH. Do not contaminate ponds, waterways or ditches with chemical or used container.

REMOVE FISH TANKS before applying.

DO NOT USE ON BEEHIVES OR BEEKEEPING EQUIPMENT.

KEEP OUT OF THE REACH OF CHILDREN.

KEEP IN ORIGINAL CONTAINER, tightly closed and in a safe place.

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

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.