

Palintest

Water Analysis Technologies

SAFETY DATA SHEET INSTACHLOR PR-1500

According to Regulation (EC) No 1907/2006, Annex II, as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	INSTACHLOR PR-1500
Product number	WT450
CAS number	51580-86-0
EU index number	613-030-01-7
EC number	220-767-7

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Disinfectant. Water treatment.
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1.3. Details of the supplier of the safety data sheet

Supplier	PALINTEST LIMITED PALINTEST HOUSE TEAM VALLEY GATESHEAD TYNE & WEAR NE11 0NS ENGLAND TEL 0191 491 0808 FAX 0191 482 5372 palintest@palintest.com
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1.4. Emergency telephone number

Emergency telephone	+44 (0)207 858 1228 (24hr)
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National emergency telephone number NHS Direct: 0845 4647 (England and Wales) NHS 24: 08454 24 24 24 (Scotland)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Acute Tox. 4 - H302 Eye Irrit. 2 - H319 STOT SE 3 - H335
Environmental hazards	Aquatic Acute 1 - H400

2.2. Label elements

EC number	220-767-7
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Hazard pictograms



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Signal word	Warning
Hazard statements	H302 Harmful if swallowed. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H400 Very toxic to aquatic life.
Precautionary statements	P261 Avoid breathing dust. P264 Wash contaminated skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/ attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/ container in accordance with local regulations.
Supplemental label information	EUH031 Contact with acids liberates toxic gas.
Contains	TROCLOSENE SODIUM, DIHYDRATE
Supplementary precautionary statements	P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P330 Rinse mouth. P391 Collect spillage.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1. Substances

TROCLOSENE SODIUM, DIHYDRATE	80-100%
CAS number: 51580-86-0	EC number: 220-767-7
	REACH registration number: 01-2119489371-33-XXXX
M factor (Acute) = 1	
Classification	
Acute Tox. 4 - H302	
Eye Irrit. 2 - H319	
STOT SE 3 - H335	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Product name	INSTACHLOR PR-1500
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CAS number	51580-86-0
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Chemical formula C3H4Cl2N3NaO5

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Consult a physician for specific advice.
Inhalation	Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Consult a physician for specific advice.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Consult a physician for specific advice. Do not induce vomiting.
Skin contact	Remove affected person from source of contamination. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Consult a physician for specific advice.
Eye contact	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

4.2. Most important symptoms and effects, both acute and delayed

General information	Coughing. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Ingestion	May cause discomfort if swallowed.
Skin contact	May be slightly irritating to skin.
Eye contact	Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Development of symptoms may be delayed for 24 to 48 hours.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Water.
Unsuitable extinguishing media	Do not use the following: Powder. Carbon dioxide (CO2). Foam.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. Dust may form explosive mixture with air.
Hazardous combustion products	Carbon monoxide (CO). Carbon dioxide (CO2). Hydrogen chloride (HCl). Nitrous gases (NOx).

5.3. Advice for firefighters

Protective actions during firefighting	Avoid the spillage or runoff entering drains, sewers or watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
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For non-emergency personnel Avoid contact with skin and eyes. Do not breathe dust.

For emergency responders Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6.2. Environmental precautions

Environmental precautions Avoid release to the environment. Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Good personal hygiene procedures should be implemented. Keep away from heat, sparks and open flame. Do not breathe dust. Avoid generation and spreading of dust.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep only in the original container. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Keep in a cool place. Keep container dry. Store away from the following materials: Acids. Oxidising materials. Reducing agents. Alkalis.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Ingredient comments No exposure limits known for ingredient(s).

DNEL
 Workers, Industry - Inhalation; Long term systemic effects: 8.11 mg/m³
 Workers, Industry - Dermal; Long term systemic effects: 2.3 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 1.99 mg/m³
 Consumer - Dermal; Long term systemic effects: 1.15 mg/kg/day
 Consumer - Oral; Long term systemic effects: 1.15 mg/kg/day

PNEC
 Fresh water; 0 mg/l
 marine water; 1.52 mg/l
 Sediment (Freshwater); 7.56 mg/kg
 Soil; 0.756 mg/kg
 STP; 0.59 mg/l

8.2. Exposure controls

Protective equipment



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Eye/face protection	The following protection should be worn: Chemical splash goggles.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. It is recommended that gloves are made of the following material: Nitrile rubber. Protective gloves should have a minimum thickness of 0.11 mm. The selected gloves should have a breakthrough time of at least 8 hours. Gloves made from the following material may provide suitable chemical protection: Polyvinyl chloride (PVC).
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.
Respiratory protection	Respiratory protection may be required if excessive airborne contamination occurs. Particulate filters should comply with European Standard EN143.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid Tablet.
Colour	White.
Odour	Characteristic. Chlorine.
pH	pH (diluted solution): 5.7 - 7.0 10g/L, @25°C
Melting point	~240°C
Vapour pressure	<0.006 Pa @ 20°C
Bulk density	900 - 1000 kg/m ³
Solubility(ies)	Soluble in water. 330 g/l water @ 25°C
Partition coefficient	log Kow: 1.708
Auto-ignition temperature	Not relevant.
Decomposition Temperature	250°C

9.2. Other information

Other information	No data available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No data available.
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10.2. Chemical stability

Stability	Stable under the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	May form combustible dust concentrations in air. Avoid contact with: Acids. Oxidising agents. chlorine-based bleaching agents
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10.4. Conditions to avoid

Conditions to avoid	Avoid contact with: Heat, sparks, flames.
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10.5. Incompatible materials

Materials to avoid Flammable/combustible materials. Strong acids. Strong reducing agents. Oxidising materials. chlorine-based bleaching agents

10.6. Hazardous decomposition products

Hazardous decomposition products When heated, vapours/gases hazardous to health may be formed. Thermal decomposition or combustion products may include the following substances: Corrosive gases or vapours. Chlorine. Carbon monoxide (CO). Carbon dioxide (CO₂). Hydrogen chloride (HCl). Nitrous gases (NO_x).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 505.05

Skin corrosion/irritation

Skin corrosion/irritation Not irritating. Not corrosive to skin.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Classification not possible. Conclusive data but not sufficient for classification.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Summary Not classified.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met. There is no evidence that the product can cause cancer.

Reproductive toxicity

Summary Classification not possible. Data lacking. Inconclusive. Conclusive data but not sufficient for classification.

Specific target organ toxicity - single exposure

STOT - single exposure May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

Summary Classification not possible. Data lacking. Inconclusive. Conclusive data but not sufficient for classification.

Aspiration hazard

Summary Not classified.

SECTION 12: Ecological information

Ecotoxicity May cause long lasting harmful effects to aquatic life.

12.1. Toxicity

Toxicity Very toxic to aquatic organisms.

Acute aquatic toxicity

Summary Very toxic to aquatic organisms.

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Acute toxicity - fish	LC ₅₀ , 96 hours: >2,100 mg/l, Oncorhynchus mykiss (Rainbow trout) LC ₅₀ , 96 hours: >2,100 mg/l, Pimephales promelas (Fat-head Minnow) LC ₅₀ , 96 hours: >1,000 mg/l, Lepomis macrochirus (Bluegill)
Acute toxicity - aquatic invertebrates	LC ₅₀ , 48 hours: 0.196 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 2,700 mg/l, Algae
<u>Chronic aquatic toxicity</u>	
Summary	Very toxic to aquatic life with long lasting effects.
Chronic toxicity - fish early life stage	NOEC, 28 days: 1,000 mg/l, Oncorhynchus mykiss (Rainbow trout) LOEC, 28 days: >1,000 mg/l, Oncorhynchus mykiss (Rainbow trout)
Chronic toxicity - aquatic invertebrates	EC ₅₀ , 21 days: 2,600 mg/l, Daphnia magna NOEC, 21 days: 160 mg/l, Daphnia magna
Toxicity to terrestrial plants	NOEC, 72 hours: 100 mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

Biodegradation No data available

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient log Kow: 1.708

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not empty into drains.

SECTION 14: Transport information

Road transport notes Refer to the Dangerous Goods List for information on any Special Provisions 274, 335, 375, 601.

Sea transport notes Refer to the Dangerous Goods List for information on any Special Provisions 274, 335, 966, 967, 969.

Air transport notes Refer to the Dangerous Goods List for information on any Special Provisions A97, A158, A179, A197.

14.1. UN number

UN No. (ADR/RID) 3077

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UN No. (IMDG)	3077
UN No. (ICAO)	3077
UN No. (ADN)	3077

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS TROCLOSENE SODIUM, DIHYDRATE)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS TROCLOSENE SODIUM, DIHYDRATE)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS TROCLOSENE SODIUM, DIHYDRATE)
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS TROCLOSENE SODIUM, DIHYDRATE)

14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M7
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	2Z
Hazard Identification Number (ADR/RID)	90

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Tunnel restriction code (-)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Authorisations (Annex XIV Regulation 1907/2006) No specific authorisations are known for this product.

Seveso Directive - Control of major accident hazards E1 Lower-tier 100 tonnes Upper-tier 200 tonnes.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Issued by L. Morgan

Revision date 24/03/2020

Revision 1

SDS status Approved.

Hazard statements in full
 H302 Harmful if swallowed.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.