



## SAFETY DATA SHEET STEADICHLOR

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME STEADICHLOR  
SUPPLIER PALINTEST LIMITED  
PALINTEST HOUSE  
TEAM VALLEY  
GATESHEAD  
TYNE & WEAR NE11 0NS  
ENGLAND  
TEL 0191 491 0808  
FAX 0191 482 5372  
palintest@palintest.com

### 2 HAZARDS IDENTIFICATION

Contact with combustible material may cause fire. Harmful if swallowed. Contact with acids liberates toxic gas. Causes burns. Very toxic to aquatic organisms.

CLASSIFICATION Xn;R22. C;R34. O;R8. N;R50. R31.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
CALCIUM HYPOCHLORITE	231-908-7	7778-54-3	60-100%	O;R8 C;R34 Xn;R22 R31 N;R50

The Full Text for all R-Phrases are Displayed in Section 16

### 4 FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once. Get medical attention.

#### INGESTION

Drink plenty of water. Do not induce vomiting. Get medical attention immediately!

#### SKIN CONTACT

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

#### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Obtain medical attention and bring these instructions.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Fire can be extinguished using: Water.

#### SPECIAL FIRE FIGHTING PROCEDURES

Dike and collect extinguishing water.

#### UNUSUAL FIRE & EXPLOSION HAZARDS

OXIDISING! May develop highly toxic or corrosive fumes if heated.

#### SPECIFIC HAZARDS

Fire or high temperatures create: Chlorine. Hydrogen chloride (HCl).

#### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Risk of contact: Wear protective gloves and goggles/face shield. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.

# STEADICHLOR

## ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Do not allow to enter drains, sewers or watercourses.

### SPILL CLEAN UP METHODS

DO NOT touch spilled material. Provide ventilation and confine spill. Do not allow runoff to sewer. Neutralise and absorb with absorbing material and dispose of as solid waste. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Do not contaminate water sources or sewer. Inform Authorities if large amounts are involved. For waste disposal, see section 13.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Do not handle broken packages without protective equipment. Read and follow manufacturer's recommendations. Avoid spread of dust. Avoid inhalation of dust. Container must be kept tightly closed. Protect against direct sunlight.

### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Oxidising material - Keep away from flammable and combustible materials. Store away from Acids. Reducing Agents.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of dust.

### RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

### HAND PROTECTION

Use protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### EYE PROTECTION

Wear approved safety goggles.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOUR White / off-white

ODOUR Chlorine.

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

Avoid exposure to high temperatures or direct sunlight. Avoid contact with acids. Generates toxic gas in contact with acid. Oxidising, avoid contact with reducing agents.

### MATERIALS TO AVOID

Flammable/combustible material. Strong acids. Powdered metal. Strong reducing agents.

### HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Toxic gases/vapours/fumes of: Chlorine. Hydrogen chloride (HCl).

# STEADICHLOR

## 11 TOXICOLOGICAL INFORMATION

### INHALATION

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

### INGESTION

May cause chemical burns in mouth, oesophagus and stomach.

### SKIN CONTACT

Corrosive. Prolonged contact causes serious tissue damage.

### EYE CONTACT

Risk of serious damage to eyes.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

## 13 DISPOSAL CONSIDERATIONS

### GENERAL INFORMATION

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

## 14 TRANSPORT INFORMATION



UK ROAD CLASS	5.1		
PROPER SHIPPING NAME	CALCIUM HYPOCHLORITE, HYDRATED or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE		
ROAD TRANSPORT NOTES	Not Classified		
RAIL TRANSPORT NOTES	Not Classified.		
SEA TRANSPORT NOTES	Not Classified.		
AIR TRANSPORT NOTES	Not Classified.		
UN NO. ROAD	2880	UK ROAD PACK GR.	III
ADR CLASS NO.	5.1	ADR CLASS	Class 5.1: Oxidising substances.
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	50	ADR LABEL NO.	5.1
HAZCHEM CODE	1W	RID CLASS NO.	5.1
RID PACK GROUP	III	UN NO. SEA	2880
IMDG CLASS	5.1	IMDG PACK GR.	III
UN NO. AIR	2880	AIR CLASS	5.1
AIR PACK GR.	III		

## 15 REGULATORY INFORMATION

### LABELLING



Corrosive



Oxidising



Dangerous for the environment

### CONTAINS

CALCIUM HYPOCHLORITE

# STEADICHLOR

## RISK PHRASES

R8	Contact with combustible material may cause fire.
R22	Harmful if swallowed.
R31	Contact with acids liberates toxic gas.
R34	Causes burns.
R50	Very toxic to aquatic organisms.

## SAFETY PHRASES

S1/2	Keep locked up and out of the reach of children.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

## STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

## APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

## GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

## 16 OTHER INFORMATION

## SAFETY DATA SHEET STATUS

Approved.

DATE 29/09/09

SIGNATURE D ELLIS

## RISK PHRASES IN FULL

R22	Harmful if swallowed.
R31	Contact with acids liberates toxic gas.
R34	Causes burns.
R50	Very toxic to aquatic organisms.
R8	Contact with combustible material may cause fire.

## DISCLAIMER

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.