



**SAFETY DATA SHEET**  
**1.08g (400 mg NaDCC) ECT STRIPS**

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

**1.1. Product identifier**

Product name 1.08g (400 mg NaDCC) ECT STRIPS

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

Identified uses Disinfectant.

**1.3. Details of the supplier of the safety data sheet**

Supplier Hydrachem Specialised Chemicals  
Gillmans Industrial Estate  
Billinghurst  
West Sussex  
RH14 9EZ  
UK  
T: +44(0)1403 787700, (Hours 09:00- 17:00 Mon to Fri)  
F: +44(0)1403 785158  
sds@hydrachem.co.uk

**1.4. Emergency telephone number**

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification**

**Physical hazards**

Not Classified

**Health hazards**

Eye Irrit. 2 - H319 STOT SE 3 - H335

**Environmental hazards**

Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

**Classification (67/548/EEC or 1999/45/EC)**

Xn;R22. Xi;R36/37. N;R50/53. R31.

**2.2. Label elements**

**Pictogram**



**Signal word**

Warning

**Hazard statements**

H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

**1.08g (400 mg NaDCC) ECT STRIPS**

P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.  
 P280 Wear eye protection.  
 P280 Wear protective gloves.  
 P280 Wear protective clothing.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P391 Collect spillage.  
 P402+P404 Store in a dry place. Store in a closed container.  
 P501 Dispose of contents/container in accordance with local regulations.

**Supplemental label information**

EUH032 Contact with acids liberates very toxic gas.  
 RCH002b For professional users only.

**Contains**

TROCLOSENE SODIUM

**Supplementary precautionary statements**

P264 Wash hands thoroughly after handling.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.

**2.3. Other hazards****SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<b>TROCLOSENE SODIUM</b>		<b>30-60%</b>
CAS number: 2893-78-9 EC number: 220-767-7 M factor (Acute) = 1 M factor (Chronic) = 1		
<b>Classification</b> Ox. Sol. 2 - H272 Acute Tox. 4 - H302 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> E;R2 O;R8 Xn;R22 Xi;R36/37 R31 N;R50/53	
<b>ADIPIIC ACID</b>		<b>10-30%</b>
CAS number: 124-04-9 EC number: 204-673-3		
<b>Classification</b> Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi;R36	
<b>SODIUM CARBONATE</b>		<b>1-5%</b>
CAS number: 497-19-8 EC number: 207-838-8		
<b>Classification</b> Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi;R36	

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

**SECTION 4: First aid measures**

## 1.08g (400 mg NaDCC) ECT STRIPS

### **4.1. Description of first aid measures**

#### **Inhalation**

Move affected person to fresh air at once. Get medical attention. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

#### **Ingestion**

Do not induce vomiting. Remove affected person from source of contamination. Give plenty of water to drink. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

#### **Skin contact**

Due to the small packaging, the risk of skin contact is minimal. Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if any discomfort continues.

#### **Eye contact**

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

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

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

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

The product is not flammable. Extinguish with the following media: Water spray, dry powder or carbon dioxide.

### **5.2. Special hazards arising from the substance or mixture**

#### **Specific hazards**

Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>. Thermal decomposition or combustion products may include the following substances: Oxides of the following substances: Carbon. Nitrogen. Very corrosive gases or vapours. Chlorine. Hydrogen chloride (HCl). Toxic gases or vapours. Decomposes above 250 °C with release of chlorine and other toxic fumes.

### **5.3. Advice for firefighters**

#### **Protective actions during firefighting**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Contain and collect extinguishing water.

#### **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. Follow precautions for safe handling described in this safety data sheet. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

### **6.2. Environmental precautions**

#### **Environmental precautions**

Not considered to be a significant hazard due to the small quantities used. Collect and dispose of spillage as indicated in Section 13.

### **6.3. Methods and material for containment and cleaning up**

#### **Methods for cleaning up**

Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Avoid generation and spreading of dust. Flush contaminated area with plenty of water. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Do not close drums containing wet or damp material.

## 1.08g (400 mg NaDCC) ECT STRIPS

### 6.4. Reference to other sections

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Usage precautions

Avoid spilling. Avoid contact with skin and eyes. Do not handle broken packages without protective equipment. Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using the product. Good personal hygiene procedures should be implemented. Avoid inhalation of vapours/spray and contact with skin and eyes. Provide adequate ventilation. Container must be kept tightly closed when not in use. Protect against direct sunlight. Follow instructions and ensure correct dilution of this product before use.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

### 7.3. Specific end use(s)

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

Short-term exposure limit (15-minute): WEL, (as chlorine) 0.5 ppm 1.5 mg/m<sup>3</sup> fume

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4.0 mg/m<sup>3</sup> respirable dust

WEL = Workplace Exposure Limit

DNEL	Human exposure based on the active ingredient troclosene sodium
	Consumer - Dermal; Long term systemic effects: 1.15 mg/kg/day
	Consumer - Inhalation; Long term systemic effects: 1.99 mg/m <sup>3</sup>
	Consumer - Oral; Long term systemic effects: 1.15 mg/kg/day

#### ADIPIIC ACID (CAS: 124-04-9)

DNEL	Industry - Inhalation; Short term : 5 mg/m <sup>3</sup>
PNEC	- Fresh water; Short term 0.126 mg/l
	- Marine water; Short term 0.0126 mg/l
	- Sediment; Short term 0.484 mg/l
	- Soil; Short term 0.0228 mg/l

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

#### Other skin and body protection

Avoid contact with skin. Wear suitable coveralls to prevent exposure to the skin.

#### Hygiene measures

Warn cleaning personnel of any hazardous properties of the product. Do not eat, drink or smoke when using this product. Wash

### 1.08g (400 mg NaDCC) ECT STRIPS

hands at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Provide eyewash station. Persons susceptible to allergic reactions should not handle this product. Good personal hygiene procedures should be implemented.

#### Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

#### Environmental exposure controls

Do not allow undiluted product to enter drains.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

White flat tablet

#### Colour

White/off-white.

#### Odour

Characteristic. bleach

#### pH

pH (diluted solution): 4-6 @ 1%

#### Flash point

Not applicable.

#### Solubility(ies)

Soluble in water.

#### Oxidising properties

Does not meet the criteria for classification as oxidising.

### 9.2. Other information

#### Other information

Not determined.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

See Section 10.3 (Possibility of hazardous reactions) for further information.

### 10.2. Chemical stability

#### Stability

Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

Will not polymerise. The following materials may react with the product: Acids. Alkalis. Organic nitro compounds. Amines. Oxidising agents. Reducing agents. Moisture. Peroxides. Contact with acids liberates toxic gas. Under normal conditions of storage and use, no hazardous reactions will occur.

### 10.4. Conditions to avoid

Avoid the following conditions: Water, moisture. Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

#### Materials to avoid

Flammable/combustible materials. Organic materials, oils, grease, sawdust, reducing agents, nitrogen-containing compounds (NaDCC may generate nitrogen trichloride which is explosive), oxidizing substances, acids and alkalis, damp or slightly wet conditions.

### 10.6. Hazardous decomposition products

Heating may generate the following products: Carbon monoxide (CO). Oxides of nitrogen. Hydrogen chloride (HCl). Isocyanates. Chlorine.

**1.08g (400 mg NaDCC) ECT STRIPS****SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity - oral****ATE oral (mg/kg)**

3,876.88984881

**Inhalation**

May cause respiratory system irritation.

**Ingestion**

May be harmful if swallowed.

**Skin contact**

Skin irritation should not occur when used as recommended.

**Eye contact**

Irritating to eyes.

**Route of entry**

Inhalation Ingestion. Skin and/or eye contact

**SECTION 12: Ecological Information****Ecotoxicity**

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

**12.1. Toxicity****Acute aquatic toxicity****LE(C)<sub>50</sub>** $0.1 < L(E)C_{50} \leq 1$ **Acute toxicity - fish**LC<sub>50</sub>, 96 hours: 0.37-0.47 mg/l, Fish**Acute toxicity - aquatic invertebrates**EC<sub>50</sub>, 48 hours: < 1 mg NaDCC mg/l, Daphnia magna**12.2. Persistence and degradability****Persistence and degradability**

There are no data on the degradability of this product.

**12.3. Bioaccumulative potential**

No data available on bioaccumulation.

**12.4. Mobility in soil****Mobility**

The product is soluble in water.

**12.5. Results of PBT and vPvB assessment**

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

**12.6. Other adverse effects**

Not determined.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****General information**

Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements

**1.08g (400 mg NaDCC) ECT STRIPS**

of the local Waste Disposal Authority.

**Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**SECTION 14: Transport information**

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**Road transport notes** ADR/ IMDG SPECIAL PROVISION 375

**Air transport notes** ICAO/ IATA SPECIAL PROVISION A197

**14.1. UN number****14.2. UN proper shipping name****14.3. Transport hazard class(es)****14.4. Packing group****14.5. Environmental hazards****14.6. Special precautions for user****14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). 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).

**Guidance**

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information****General information**

**Revision date** 17/02/2015

**Revision** 14

**Supersedes date** 17/02/2015

**SDS number** 10241

**Signature**

**Risk phrases in full**

R2 Risk of explosion by shock, friction, fire or other sources of ignition.

R22 Harmful if swallowed.

R31 Contact with acids liberates toxic gas.

R36 Irritating to eyes.

R36/37 Irritating to eyes and respiratory system.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R8 Contact with combustible material may cause fire.

## 1.08g (400 mg NaDCC) ECT STRIPS

### Hazard statements in full

H272 May intensify fire; oxidiser.

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.

### 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.