



## SAFETY DATA SHEET

ACTICHLOR TABLETS 0.5G,1.7G,2.5G, 5.0G

Page 1

Issued: 28/02/2007

Revision No: 8

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

**Product name:** ACTICHLOR TABLETS 0.5G,1.7G,2.5G, 5.0G

**Product code:** HAS056.1P

**Use / description of product:** Effervescent chlorine releasing tablet.

**Company name:** Ecolab

Lotherton Way

Garforth

Leeds

West Yorkshire

LS25 2JY

Tel: 0113 232 0066

Fax: 0113 287 1317

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** DICHLORO-1,3,5-TRIAZINETRIONE, SODIUM SALT OF 45-55%

EINECS: 220-767-7 CAS: 2893-78-9

[O] R8; [Xn] R22; [-] R31; [Xi] R36/37; [N] R50/53

- ADIPIC ACID 20-45%

EINECS: 204-673-3 CAS: 124-04-9

[Xi] R36

**Contains:** Sodium Bicarbonate

### 3. HAZARDS IDENTIFICATION

**Main hazards:** Harmful if swallowed. Contact with acids liberates toxic gas. Irritating to eyes and respiratory system. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** Ingestion of the product will irritate the mouth, oesophagus and other tissues of the digestive system.

**Inhalation:** Exposure may cause coughing or wheezing.

### 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

**Inhalation:** Take the person outside into fresh air. If irritation persists, seek medical attention

[cont...]

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Carbon dioxide. Water spray. Remove the product if it is safe to do so, before using water for fire fighting, in order to minimise hazards from the release of toxic fumes. Where it is decided to fight the fire with water, large quantities MUST be used. If insufficient water is used there may be an explosion hazard associated with hot damp material. It will often be safer to let the fire burn itself out. Dry chemical powder. Do not use dry fire extinguishers containing ammonium compounds.

**Exposure hazards:** Product is not flammable in itself, but contact with combustible material may cause fire. A thermal decomposition can be extinguished by flooding with copious amounts of water or by isolating the decomposing material in open air and allowing it to be consumed. Do not approach from leeward.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

**Environmental precautions:** Do not discharge into drains or rivers.

**Clean-up procedures:** Do not return the spilled product to its original container for re-use. Mix with sand or vermiculite. Collect into heavy duty plastic bag for disposal. Wash residues with water. Do not dispose of as general waste as contact with the damp or combustible waste may lead to fire.

**7. HANDLING AND STORAGE**

**Handling requirements:** Ensure there is sufficient ventilation of the area.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Avoid contact with water or humidity. Avoid incompatible materials and conditions - see section 10 of SDS.

**Suitable packaging:** Must only be kept in original packaging.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Workplace exposure limits**

**WEL (8 hr exposure limit):** chlorine 0.5ppm

**WEL (15 min exposure limit):** chlorine 1ppm

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Wear safety glasses if product is likely to be splashed or sprayed near eyes.

**Skin protection:** Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Solid

**Colour:** White

**Odour:** Chlorine

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble  
**pH:** 5.0-6.0 IN SOLUTION

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.  
**Conditions to avoid:** Heat. Flames. Moisture  
**Materials to avoid:** Avoid contact with water on concentrated material in the container. Organic materials. Oxidising agents. Acids. Bases. Reducing agents.  
**Haz. decomp. products:** Contact with water will liberate chlorine & with nitrogen compounds may cause explosion. In combustion liberates toxic gas.

**11. TOXICOLOGICAL INFORMATION**

**Hazardous ingredients:** DICHLORO-1,3,5-TRIAZINETRIONE, SODIUM SALT OF  
ORL RAT LD50 1420 mg/kg  
ORL RBT LDLO 2500 mg/kg  
• ADIPIC ACID  
IVN MUS LD50 680 mg/kg  
ORL MUS LD50 1900 mg/kg  
ORL RAT LD50 >11 gm/kg

**12. ECOLOGICAL INFORMATION**

**Mobility:** Soluble in water.  
**Other adverse effects:** Toxic to aquatic organisms.

**13. DISPOSAL CONSIDERATIONS**

**Disposal operations:** Disposal should be done in accordance with official regulations. If material is dry, incineration is recommended.  
**Disposal of packaging:** Arrange for collection by specialised disposal company.  
**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID**

<b>UN no:</b> 3077	<b>ADR Class:</b> 9
<b>Packing group:</b> III	<b>Classification code:</b> M7
<b>Shipping name:</b> ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DICHLORO-1,3,5-TRIAZINETRIONE, SODIUM SALT OF; ADIPIC ACID: MIXTURE)	
<b>Labelling:</b> 9	<b>Hazard ID no:</b> 90



**SAFETY DATA SHEET**  
ACTICHLOR TABLETS 0.5G,1.7G,2.5G, 5.0G**IMDG / IMO**

<b>UN no:</b>	3077	<b>Class:</b>	9
<b>Packing group:</b>	III	<b>EmS:</b>	F-A,S-F
<b>Marine pollutant:</b>	NO	<b>Labelling:</b>	9

**IATA / ICAO**

<b>UN no:</b>	3077	<b>Class:</b>	9
<b>Packing group:</b>	III	<b>Packing instructions:</b>	911
<b>Labelling:</b>	9		

**15. REGULATORY INFORMATION**

**Hazard symbols:** Dangerous for the environment.  
Harmful.



**Risk phrases:** R22: Harmful if swallowed.  
R31: Contact with acids liberates toxic gas.  
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.

**Safety phrases:** S2: Keep out of the reach of children.  
S8: Keep container dry.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S41: In case of fire and / or explosion do not breathe fumes.  
S60: This material and its container must be disposed of as hazardous waste.  
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**Risk phrases used in s.2:** R8: Contact with combustible material may cause fire.  
R22: Harmful if swallowed.  
R31: Contact with acids liberates toxic gas.  
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.  
R36: Irritating to eyes.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall

**SAFETY DATA SHEET**  
ACTICHLOR TABLETS 0.5G,1.7G,2.5G, 5.0G

be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.