

# Secure EC

Reg. No./Nr. L11721, Act No./Wet Nr. 36 of/van 1947

**READ THE LABEL BEFORE USE**  
**KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

|                                                                                                                                            |                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A WATER-SOLUBLE BUFFERING AGENT THAT SEQUESTERS CATIONS EG. CALCIUM AND MAGNESIUM FOR USE WITH GLYPHOSATE AND SULFOSATE HERBICIDES.</b> | <b>'N WATEROPLOSBARE BUFFERMIDDEL WAT KATIONE BV. KALSIUM EN MAGNESIUM SEKWESTREER EN OM SAAM MET GLIFOSAAT EN SULFOSAAT ONKRUIDDODERS TE GEBRUIK.</b> |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|

|             |                |                             |
|-------------|----------------|-----------------------------|
| GROUP/GROEP | <b>Class B</b> | ADJUVANT/BEVORDERINGSMIDDEL |
|-------------|----------------|-----------------------------|

**ACTIVE INGREDIENTS:**

DTPMPA\* .....370.9 g/L.....  
ATMPA\*\* .....116.5 g/L.....  
\*Diethylene Triamine Penta  
(Methylene Phosphonic Acid)  
\*\*Amino Tris (Methylene Phosphonic Acid)

**AKTIEWE BESTANDDELE:**

DTPMPA\* .....DTPMPA\*  
ATMPA\*\* .....ATMPA\*\*  
\*Dietileen Triamien Penta  
(Metileen Fosforigsuur)  
\*\*Amino Tris (Metileen Fosforigsuur)

**NET VOLUME.....50 ml, 150 ml, 500 ml, 1 l, 5 l, 10 l, 15 l, 200 l, 1000 l..... NETTO VOLUME**



**DANGER**

**GHS Hazard Statements**

May be corrosive to metals.  
Causes skin irritation.  
Causes serious eye damage.

**GHS Precautionary Statements**

Keep only in original container.  
Wash hands thoroughly after handling.



**REGISTRATION HOLDER / REGISTRASIEHOUDER:**

**AECI® Limited /AECI® Beperk**  
Reg. No. / Nr. 1924/002590/06  
P.O. Box / Posbus 14418  
Witfield, 1467  
Tel : (011) 823 8000  
[www.aeciworld.com/www.aeciph.com](http://www.aeciworld.com/www.aeciph.com)

IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL: 0861 555 777/082 4468946

**Batch No:**

**Lotnommer:**

**DATE OF MANUFACTURE:**

**VERVAARDIGINGSDATUM:**

**UN No. / VN Nr. 1760, CORROSIVE LIQUID N.O.S (DTMP and ATMPA solution)**

# Secure EC

Reg. No. L11721, Act No. 36 of 1947

**READ THE LABEL BEFORE USE**  
**KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

**A water-soluble buffering agent that sequesters cations eg. Calcium and Magnesium for use with glyphosate and sulfosate herbicides**

|             |                |          |
|-------------|----------------|----------|
| GROUP/GROEP | <b>Class B</b> | ADJUVANT |
|-------------|----------------|----------|

**ACTIVE INGREDIENT:**

DTPMPA\* .....370.9 g/L  
ATMPA\*\* .....116.5 g/L  
\*Diethylene Triamine Penta (Methylene Phosphonic Acid)  
\*\*Amino Tris (Methylene Phosphonic Acid)



**DANGER**

**REGISTRATION HOLDER / REGISTRASIEHOUER:**

**AECI® Limited /AECI® Beperk**  
Reg. No.1924/002590/06  
P.O. Box 14418  
Witfield, 1467  
Tel : (011) 823 8000

**WARNINGS:**

| GHS Hazard Statements                                                                 |
|---------------------------------------------------------------------------------------|
| May be corrosive to metals.<br>Causes skin irritation.<br>Causes serious eye damage.. |

Observe all warnings that apply to the product(s) with which **Secure EC** is to be used.  
This product has low toxicity to fish and toxic to aquatic invertebrates.  
Do not apply directly to open water sources.  
Do not use if pH is below 4.

ALTHOUGH THIS ADJUVANT HAS BEEN EXTENSIVELY TESTED UNDER A LARGE VARIETY OF CONDITIONS THE REGISTRATION HOLDER DOES NOT WARRANT THAT IT WILL BE EFFICACIOUS UNDER ALL CONDITIONS BECAUSE THE ACTION AND EFFECT THEREOF MAY BE AFFECTED BY FACTORS SUCH AS ABNORMAL CLIMATIC AND STORAGE CONDITIONS; QUALITY OF DILUTION WATER, COMPATIBILITY WITH OTHER SUBSTANCES NOT INDICATED ON THE LABEL, AS WELL AS BY THE METHOD, TIME AND ACCURACY OF APPLICATION. THE REGISTRATION HOLDER FURTHERMORE DOES NOT ACCEPT RESPONSIBILITY FOR DAMAGE TO CROPS, VEGETATION, THE ENVIRONMENT OR HARM TO MAN OR ANIMAL OR FOR LACK OF PERFORMANCE OF THE ADJUVANT CONCERNED DUE TO FAILURE OF THE USER TO FOLLOW THE LABEL INSTRUCTIONS OR THE OCCURRENCE OF CONDITIONS WHICH COULD NOT HAVE BEEN FORESEEN IN TERMS OF THE REGISTRATION. CONSULT THE SUPPLIER IN THE EVENT OF ANY UNCERTAINTY.

#### **PRECAUTIONS:**

| <b>GHS Precautionary Statements</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Keep only in original container.<br>Wash hands thoroughly after handling.<br>Do not touch eyes.<br>Wear protective gloves, protective clothing, eye protection.<br>IF ON SKIN: Wash with plenty of water.<br>IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>If skin irritation occurs: Get medical help.<br>Take off contaminated clothing. And wash it before reuse.<br>Absorb spillage to prevent material- damage.<br>Store in corrosive resistant container with a resistant inner liner. |

- Do not eat, drink or smoke whilst mixing or applying.
- Wash hands and face before eating, drinking, smoking or using the toilet.
- Avoid spray drift onto adjacent crops, grazing, rivers and dams.
- Clean applicators before using for other remedies and ensure disposal of wash water does not contaminate crops, grazing, rivers, dams and water sources.
- Prevent contamination of food, feedstuffs, drinking water and eating utensils by handling, storage or disposal.
- TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS: Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter, rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler ([www.croplife.co.za](http://www.croplife.co.za)) Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.

#### **RELEVANT SUBSTANCES:**

| <b>Ingredients:<br/>Substance name<br/>(IUPAC/EC)</b> | <b>Concentration<br/>% by weight</b> | <b>Classification</b>                                                                                                |
|-------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------|
|                                                       |                                      | <b>EC1272/2008</b>                                                                                                   |
| Diethylene Triamine<br>Penta (DTPMPA)                 | 37.0%                                | Corrosive to metal (Category 1) H290.<br>Skin irritation (Category 2) H315.<br>Serious eye damage (Category 1) H318. |
| Amino Tris (ATMPA)                                    | 11.7%                                | Corrosive to metal (Category 1) H290.<br>Skin irritation (Category 2) H315. Eye irritation (Category 2) H319.        |

**NOTE:** The other ingredients not included above, do not cause or contribute towards the correct GHS classification of **Secure EC** and are therefore, in terms of the South African Regulations for Hazardous Chemical Agents - 2021; Regulation 14(b), not listed.

### **FIRST AID TREATMENT:**

**General Advice:** Have the product container or label with you when calling a poison control centre or doctor or going for treatment.

**In case of inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a poison control centre or doctor for treatment advice.

**In case of skin contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation persists.

**In case of eye contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

**In case of ingestion** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if you feel unwell.

### **NOTE TO PHYSICIAN:**

Treat symptomatically.

### **DIRECTIONS FOR USE:** USE ONLY AS DIRECTED

#### **SHAKE BEFORE USE**

**Secure EC** is a buffering and sequestering agent which should be mixed with water in the tank to buffer pH of the water solution to required levels, and sequester cations i.e. Calcium and Magnesium which will improve water quality.

**Secure EC** increases the rate of uptake and transport of the herbicides in the plant and helps prevent alkaline hydrolysis of pH sensitive herbicides.

**Mixing:** Fill the spray tank with water to about half of the total spray volume required. Start agitation and add the required amount of **Secure EC** to stabilize the pH of the solution required. Then add the agricultural remedy to the tank mixture. Continue mixing and agitation while filling the spray tank to the required spray volume. Maintain sufficient agitation during application to ensure uniformity of the spray mix. Do not allow water or spray mixture to back-siphon into the water source.

If spraying and agitation must be stopped before the spray tank is empty, settled materials must be re-suspended before spraying is resumed. A back flow sparger agitator at the bottom of the tank is particularly useful for this purpose.

If a water analysis is available giving the bicarbonate levels or alkalinity of the water, expressed as mg/L CaCO<sub>3</sub>, the following is recommended:

| <b>Water Hardness</b> | <b>Dosage/100 L Water</b> | <b>Remarks</b>                                 |
|-----------------------|---------------------------|------------------------------------------------|
| 0 to 60 mg/L          | 10-15 ml                  | Keep in mind that the pH is not less than 4.0. |
| 61 to 120 mg/L        | 15-25 ml                  |                                                |
| 121 to 180 mg/L       | 25-35 ml                  |                                                |
| High 180 mg/L         | 35-100 ml                 |                                                |