

CeCeCe<sup>™</sup> 750

Reg.No: 72-G-1-5



**Net Content 10 Litres** 

Batch No.: Date of Manufacture: **Expiry Date** 

#### Composition:

Composition:	(mass/volume)
chlormequat chloride	750g / L
inert ingredients	250 g/litre

CECECE is a water soluble solution plant growth regulator to reduce lodging in cotton, wheat and Barley

#### **Registered by:**

Pivotal Agro-Services (Pvt) Ltd, PO Box WGT 450 Westgate, Harare Tel: (263-4) 309800

Manufactured by: BASF SE 67056 Ludwigshafen, Germany

<sup>®</sup> Registered trademark of BASF

#### TO CAUSE A HAZARD IN THE USE, STORAGE OR DISPOSAL OF THIS SUBSTANCE IS AN OFFENCE

#### WARNINGS

- Allow the 49 days between last application and harvest or grazing
- Handle with care, avoid contact with skin, eyes and inhalation. Do not inhale fumes or spray mist. Wash thoroughly with soap and water after accidental skin contact.
- Dangerous to wild animals, birds, fish and bees.
- Keep out of reach of children, uninformed persons and animals.
- Poisonous when absorbed through the skin or swallowed or inhaled.
- Apply only to cotton, wheat and Barley that is actively growing.
- Do not apply to cotton at rates and times other than those specified as yield decreases and delayed maturity may result.

#### PRECAUTIONS

- 1. Poisonous by ingestion, when absorbed through the skin or inhaled
- 2. Avoid spray drift other crops
- 3. On completion of spraying, wash thoroughly with soap and water.
- 4. Do not eat, drink or smoke whilst mixing and applying or before washing hands and face.
- 5. Do not contaminate, grazing, rivers, dams and other water sources.
- 6. Keep out of reach of children, uninformed persons and animals.
- 7. When handling the concentrated product wear gloves and goggles.
- 8. Prevent contamination of food, feed, drinking water and eating utensils.
- 9. Store in original container in a cool, dry place away from food and animal feed.
- 10. Corrosive clean applicator after use.
- 11. Do not apply during rain of rainfall is likely.
- 12. Rinse empty container three times with a volume of water equal to at least one tenth of that of the container and add the rinsings to the content of the spray tank before disposing of the container in the prescribed manner.
- 13. Destroy empty container by perforation and flattening and never use for any other purpose.

#### Aerial application:

Notify and warn all inhabitants in the immediate area of the intended application and issue the necessary warnings.

#### WARRANTY

Although this remedy has been 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 and the occurrence of resistance against the remedy concerned 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 remedy concerned due to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

#### SYMPTOMS OF POISOINING

Profound mascular weakness, headache, nausea, vomiting, tremors and convulsions. Should accidental poisoning occur, call a doctor and show him the label and/or MSDS

Note to physician: (2-ethyl) trimethylammonium chloride is a week ganglionic stimulant with an action similar to nicotine. There is no specific antidote. Atropine is CONTRAINDICATED

#### FIRST AID

IF IN EYES:	Flash affected eyes for at least 15 minutes under clean running
	water with eyelids held open. Consult an eye specialist.
IF SWALLOWED:	Immediately rinse mouth and then drink 200-300 ml of water,
	seek medical attention. Call medical help immediately.
IF ON SKIN:	Wash skin thoroughly with soap and water. Call medical help if
	irritation occurs.
IF INHALED:	Keep patient calm, remove to fresh air, seek medical attention.

#### DIRECTIONS FOR USE:

#### USE ONLY AS DIRECTED

**Compatibility: CeCeCe<sup>™</sup> 750** is compatible with most growth regulators, insecticides, fungicides, foliar fertilizers and herbicides except contact-herbicides. **CeCeCe<sup>™</sup> 750** is not compatible with dinitro compounds such as DNOC, corrosive substances and / or contact herbicides.

Mixing instructions: When mixing CeCeCe<sup>™</sup> 750 with other crop protection products, add these compounds first to the required amount of water in the spray tank. Thereafter CeCeCe<sup>™</sup> 750 must be mixed with an equal volume of water before adding to the contents of the spray tank.

#### **Application:**

Apply **CeCeCe<sup>™</sup> 750** as a foliar spray as indicated below. Do not apply **CeCeCe<sup>™</sup> 750** during rain or when rain is imminent.

All spray applications must be made with suitable equipment that is in good working order and correctly calibrated to give the desired coverage for that particular method of application.

CROP	CONDITION	RATE	DIRECTIONS FOR APPLICATION
WHEAT BARLEY	Reduction of lodging and wind damage.	2.1 L/ha	Apply as a foliar spray at first stem elongation (Growth stage 31 Zadocks scale). Ground application: Apply in 300 – 400L water/ha. Aerial application: Apply in 30L water/ha.
COTTON	To reduce rank growth.	45-66 ml/ha	Apply when 5%-10% of the plants have at least one flower and the crop is 80cm tall. Apply either one application at 66ml/ha or two split applications at 45ml/ha ant the first flower and the second of 21ml/ha at two weeks later. <b>Ground application:</b> Apply in 100 – 200L water/ha. <b>Aerial application:</b> Apply in 30L water/ha. <b>Hand held ULV</b> : apply in 10 L water /ha. Apply over each row.

FOR FURTHER INFORMATION OR IN THE CASE OF EMERGENCE CALL 263-4) 309800



## Safety data sheet

Page: 1/14

BASF Safety data sheet according to Regulation (EC) No. 1907/2006 Date / Revised: 05.02.2013 Product: **CECECE** 

Version: 4.0

(ID no. 30354874/SDS\_CPA\_EU/EN)

Date of print 07.02.2013

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

1.1. Product identifier

### CECECE

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

Relevant identified uses: crop protection product, growth regulator

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

Company: BASF SE 67056 Ludwigshafen GERMANY Operating Division Crop Protection

Telephone: +49 621 60-27777 E-mail address: Produktinformation-Pflanzenschutz@basf.com

#### 1.4. Emergency telephone number

International emergency number: Telephone: +49 180 2273-112

#### **SECTION 2: Hazards Identification**

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

According to Regulation (EC) No 1272/2008 [CLP]

Met. Corr. 1 Acute Tox. 4 (oral) Acute Tox. 4 (dermal)

Page: 2/14

Version: 4.0

BASF Safety data sheet according to Regulation (EC) No. 1907/2006 Date / Revised: 05.02.2013 Product: **CECECE** 

(ID no. 30354874/SDS\_CPA\_EU/EN)

Date of print 07.02.2013

#### According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards: Harmful by inhalation and in contact with skin. Harmful to aquatic organisms.

For the classifications not written out in full in this section the full text can be found in section 16.

#### 2.2. Label elements

Globally Harmonized System, EU (GHS)

Pictogram:



Signal Word: Warning

Hazard Statement: H312 H302 H290 EUH401	Harmful in contact with skin. Harmful if swallowed. May be corrosive to metals. To avoid risks to human health and the environment, comply with the instructions for use.
Precautionary Statemer	nts (Prevention):
P280e	Wear protective gloves/clothing.
P270	Do no eat, drink or smoke when using this product.
P264	Wash with plenty of water and soap thoroughly after handling.
P234	Keep only in original container.
Precautionary Statemer	nts (Response):
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you
	feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P330	Rinse mouth.
P361	Remove/Take off immediately all contaminated clothing.
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
Precautionary Statemer	nts (Storage):
P405	Store locked up.
Precautionary Statements (Disposal):	
P501	Dispose of contents/container to hazardous or special waste collection point.

Page: 3/14

Version: 4.0

BASF Safety data sheet according to Regulation (EC) No. 1907/2006	
Date / Revised: 05.02.2013	
Product: CECECE	

(ID no. 30354874/SDS\_CPA\_EU/EN)

Date of print 07.02.2013

According to Regulation (EC) No 1272/2008 [CLP]

Hazard determining component(s) for labelling: CHLORMEQUAT CHLORIDE

According to Directive 67/548/EEC or 1999/45/EC

**EEC** Directives

Hazard symbol(s) Xn Harmful.



R-phrase(s) R21/22 R52	Harmful in contact with skin and if swallowed. Harmful to aquatic organisms.
S-phrase(s)	Keep out of the reach of children.
S2	Keep away from food, drink and animal feeding stuffs.
S13	When using do not eat, drink or smoke.
S20/21	Wear suitable protective clothing and gloves.
S36/37	If swallowed, seek medical advice immediately and show this container
S46	or label.

Hazard determining component(s) for labelling: CHLORMEQUAT CHLORIDE

#### 2.3. Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

#### **SECTION 3: Composition/Information on Ingredients**

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

#### Chemical nature

crop protection product, growth regulator, Soluble concentrate (SL)

Hazardous ingredients (GHS) according to Regulation (EC) No. 1272/2008

Page: 4/14

Version: 4.0

BASF Safety data sheet according to Regulation (EC) No. 1907/2006 Date / Revised: 05.02.2013 Product: **CECECE** 

(ID no. 30354874/SDS\_CPA\_EU/EN)

Date of print 07.02.2013

chlormequat chloride (ISO); 2-chloroethyltrimethylammonium chloride Content (W/W): 65.8 % Acute Tox. 4 (oral) CAS Number: 999-81-5 Acute Tox. 4 (dermal) EC-Number: 213-666-4 H312, H302 INDEX-Number: 007-003-00-6

<u>Hazardous ingredients</u> according to Directive 1999/45/EC

chlormequat chloride (ISO); 2-chloroethyltrimethylammonium chloride Content (W/W): 65.8 % CAS Number: 999-81-5 EC-Number: 213-666-4 INDEX-Number: 007-003-00-6 Hazard symbol(s): Xn R-phrase(s): 21/22

For the classifications not written out in full in this section, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, the full text is listed in section 16.

#### **SECTION 4: First-Aid Measures**

4.1. Description of first aid measures

Remove contaminated clothing.

If inhaled: Keep patient calm, remove to fresh air, seek medical attention.

On skin contact: Wash thoroughly with soap and water.

On contact with eyes: Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion: Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

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

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

**4.3. Indication of any immediate medical attention and special treatment needed** Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Page: 5/14

Version: 4.0

BASF Safety data sheet according to Regulation (EC) No. 1907/2006 Date / Revised: 05.02.2013 Product: **CECECE** 

(ID no. 30354874/SDS CPA EU/EN)

Date of print 07.02.2013

#### **SECTION 5: Fire-Fighting Measures**

#### 5.1. Extinguishing media

Suitable extinguishing media: water spray, foam, dry powder, carbon dioxide

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

carbon monoxide, Carbon dioxide, hydrogen chloride, organochloric compounds The substances/groups of substances mentioned can be released in case of fire.

#### 5.3. Advice for fire-fighters

Special protective equipment: Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire.

#### **SECTION 6: Accidental Release Measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

Do not breathe vapour/spray. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

#### **6.2.** Environmental precautions

Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

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

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

#### 6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

#### **SECTION 7: Handling and Storage**

#### 7.1. Precautions for safe handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Page: 6/14

Version: 4.0

BASF Safety data sheet according to Regulation (EC) No. 1907/2006 Date / Revised: 05.02.2013 Product: **CECECE** 

(ID no. 30354874/SDS\_CPA\_EU/EN)

Date of print 07.02.2013

Protection against fire and explosion:

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

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

Segregate from foods and animal feeds. Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

Storage stability: Storage duration: 60 Months

Protect from temperatures below: -10 °C Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time. Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

#### 7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

#### **SECTION 8: Exposure Controls/Personal Protection**

#### 8.1. Control parameters

Components with occupational exposure limits

999-81-5: chlormequat chloride (ISO); 2-chloroethyltrimethylammonium chloride

#### 8.2. Exposure controls

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for higher concentrations or long-term effect: Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK). (Combination filter EN 14387 ABEK)

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

Eye protection: Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Page: 7/14

Version: 4.0

#### BASF Safety data sheet according to Regulation (EC) No. 1907/2006 Date / Revised: 05.02.2013 Product: **CECECE**

(ID no. 30354874/SDS\_CPA\_EU/EN)

Date of print 07.02.2013

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

#### General safety and hygiene measures

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

#### **SECTION 9: Physical and Chemical Properties**

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

Form:	liquid	
Colour:	light yellow	
Odour:	sweetish, moderate odour	
Odour threshold:		
	Not determined since toxic by	
	inhalation.	
pH value:	approx. 3 - 5	
	(1 %(m), 20 °C)	
crystallization temperatu		
Boiling point:	approx. 100 °C	(DIN EN 22719; ISO 2719)
Flash point:		
	No flash point - Measurement made	
	up to the boiling point.	
Evaporation rate:		
	not applicable	
Flammability:	not self-igniting	
Lower explosion limit:		
	As a result of our experience with this	
	product and our knowledge of its	
	composition we do not expect any	
	hazard as long as the product is used	
	appropriately and in accordance with	
	the intended use.	
Upper explosion limit:		
	As a result of our experience with this	
	product and our knowledge of its	
	composition we do not expect any	
	hazard as long as the product is used	
	appropriately and in accordance with	
louition to manaratura.	the intended use.	
Ignition temperature:	approx. 355 °C	
Vapour pressure:	approx. 23.3 hPa	
	(20 °C)	
Donaity:	Information applies to the solvent.	
Density:	approx. 1.14 g/cm3 (20 °C)	

Page: 8/14

Version: 4.0

BASF Safety data sheet according to Regulation (EC) No. 1907/2006 Date / Revised: 05.02.2013 Product: **CECECE** 

(ID no. 30354874/SDS\_CPA\_EU/EN)

Date of print 07.02.2013

Relative vapour density (air): not determined Solubility in water: miscible Information on: chlormequat chloride (ISO); 2-chloroethyltrimethylammonium chloride Partitioning coefficient n-octanol/water (log Kow): -3.44 (calculated)

Thermal decomposition:not determinedViscosity, dynamic:17.5 mPa.s<br/>(20 °C, 100 1/s)Explosion hazard:not explosiveFire promoting properties:not fire-propagating

#### 9.2. Other information

Other Information: If necessary, information on other physical and chemical parameters is indicated in this section.

#### **SECTION 10: Stability and Reactivity**

#### 10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: Corrosive effect on: aluminum mild steel Corrosion rate > 6.25 mm/a using 7075-T6 or AZ5GU-T6

#### 10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

#### 10.3. Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

#### 10.4. Conditions to avoid

See MSDS section 7 - Handling and storage.

#### 10.5. Incompatible materials

Substances to avoid: strong bases, strong acids, strong oxidizing agents

#### **10.6.** Hazardous decomposition products

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

#### **SECTION 11: Toxicological Information**

#### 11.1. Information on toxicological effects

Page: 9/14

Version: 4.0

BASF Safety data sheet according to Regulation (EC) No. 1907/2006 Date / Revised: 05.02.2013 Product: **CECECE** 

(ID no. 30354874/SDS\_CPA\_EU/EN)

Date of print 07.02.2013

#### Acute toxicity

Assessment of acute toxicity:

Of moderate toxicity after single ingestion. Of moderate toxicity after short-term skin contact. Virtually nontoxic by inhalation. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: chlormequat chloride (ISO); 2-chloroethyltrimethylammonium chloride

Experimental/calculated data: LD50 rat (oral): 520 mg/kg Literature data.

Information on: chlormequat chloride (ISO); 2-chloroethyltrimethylammonium chloride Experimental/calculated data: LC50 rat (by inhalation): > 5.2 mg/l 4 h (BASF-Test) Highest concentration available for testing. An aerosol was tested.

Information on: chlormequat chloride (ISO); 2-chloroethyltrimethylammonium chloride Experimental/calculated data: LD50 rabbit (dermal): 1,250 mg/kg Literature data.

#### Irritation

Assessment of irritating effects: Not irritating to the skin. Not irritating to the eyes. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: chlormequat chloride (ISO); 2-chloroethyltrimethylammonium chloride Experimental/calculated data: Skin corrosion/irritation rabbit: non-irritant Literature data.

Information on: chlormequat chloride (ISO); 2-chloroethyltrimethylammonium chloride Experimental/calculated data: Serious eye damage/irritation rabbit: non-irritant Literature data.

Respiratory/Skin sensitization

Assessment of sensitization:

There is no evidence of a skin-sensitizing potential. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: chlormequat chloride (ISO); 2-chloroethyltrimethylammonium chloride

Page: 10/14

Version: 4.0

BASF Safety data sheet according to Regulation (EC) No. 1907/2006 Date / Revised: 05.02.2013 Product: **CECECE** 

(ID no. 30354874/SDS CPA EU/EN)

Date of print 07.02.2013

Experimental/calculated data:

Guinea pig maximization test guinea pig: Non-sensitizing. (OECD Guideline 406)

#### Germ cell mutagenicity

Assessment of mutagenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

#### **Carcinogenicity**

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies gave no indication of a carcinogenic effect.

#### Reproductive toxicity

#### Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

#### **Developmental toxicity**

#### Assessment of teratogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

#### Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. No substance-specific organtoxicity was observed after repeated administration to animals.

#### Other relevant toxicity information

Misuse can be harmful to health.

#### **SECTION 12: Ecological Information**

#### 12.1. Toxicity

Assessment of aquatic toxicity:

Acutely harmful for aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: chlormequat chloride (ISO); 2-chloroethyltrimethylammonium chloride Toxicity to fish:

Page: 11/14

Version: 4.0

BASF Safety data sheet according to Regulation (EC) No. 1907/2006 Date / Revised: 05.02.2013 Product: **CECECE** 

(ID no. 30354874/SDS\_CPA\_EU/EN)

Date of print 07.02.2013

LC50 (96 h) > 100 mg/l, Cyprinus carpio (OECD 203; ISO 7346; 84/449/EEC, C.1, static) The details of the toxic effect relate to the nominal concentration.

-----

Information on: chlormequat chloride (ISO); 2-chloroethyltrimethylammonium chloride Aquatic invertebrates: EC50 (48 h) 16.9 mg/l, Daphnia magna (DIN 38412 Part 11) The details of the toxic effect relate to the nominal concentration.

Information on: chlormequat chloride (ISO); 2-chloroethyltrimethylammonium chloride Aquatic plants:

EC50 (96 h) > 100 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static) The product has not been tested. The data have been deduced from values for a preparation or mixture with a lower substance concentration.

EC50 (7 d) 28.0 mg/l (growth rate), Lemna gibba (static) The product has not been tested. The data have been deduced from values for a preparation or mixture with a lower substance concentration.

#### 12.2. Persistence and degradability

Assessment biodegradation and elimination (H2O): The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: chlormequat chloride (ISO); 2-chloroethyltrimethylammonium chloride Assessment biodegradation and elimination (H2O): Readily biodegradable (according to OECD criteria).

-----

#### 12.3. Bioaccumulative potential

Assessment bioaccumulation potential: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: chlormequat chloride (ISO); 2-chloroethyltrimethylammonium chloride Bioaccumulation potential:

Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

-----

#### 12.4. Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: chlormequat chloride (ISO); 2-chloroethyltrimethylammonium chloride Assessment transport between environmental compartments:

Page: 12/14

Version: 4.0

BASF Safety data sheet according to Regulation (EC) No. 1907/2006 Date / Revised: 05.02.2013 Product: **CECECE** 

(ID no. 30354874/SDS\_CPA\_EU/EN)

Date of print 07.02.2013

Following exposure to soil, the product trickles away and can - dependant on degradation - be transported to deeper soil areas with larger water loads.

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

The product does not contain a substance fullfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

#### 12.6. Other adverse effects

The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

#### 12.7. Additional information

Other ecotoxicological advice: Do not discharge product into the environment without control.

#### **SECTION 13: Disposal Considerations**

#### 13.1. Waste treatment methods

Must be sent to a suitable incineration plant, observing local regulations.

Contaminated packaging: Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

#### **SECTION 14: Transport Information**

#### Land transport

UN number UN proper shipping name:	UN1760 CORROSIVE LIQUID, N.O.S. (contains CHLORMEQUAT CHLORIDE) CORROSIVE ON ALUMINIUM
Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	8 III no Tunnel code: E
RID	
UN number UN proper shipping name:	UN1760 CORROSIVE LIQUID, N.O.S. (contains CHLORMEQUAT

Page: 13/14

Version: 4.0

BASF Safety data sheet according to Regulation (EC) No. 1907/2006 Date / Revised: 05.02.2013 Product: **CECECE** 

(ID no. 30354874/SDS\_CPA\_EU/EN)

Date of print 07.02.2013

Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	CHLORIDE) CORROSIVE ON ALUMINIUM 8 III no None known
<u>Inland waterway transport</u> ADN	
UN number UN proper shipping name:	UN1760 CORROSIVE LIQUID, N.O.S. (contains CHLORMEQUAT CHLORIDE) CORROSIVE ON ALUMINIUM
Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	8 III no None known
Transport in inland waterway vessel:	Not evaluated

#### Sea transport

#### IMDG

UN number: UN proper shipping name:	UN 1760 CORROSIVE LIQUID, N.O.S. (contains CHLORMEQUAT CHLORIDE) CORROSIVE ON ALUMINIUM
Transport hazard class(es):	8
Packing group:	III
Environmental hazards:	no
	Marine pollutant: NO
Special precautions for user:	None known

#### Air transport

#### IATA/ICAO

UN number: UN proper shipping name:	UN 1760 CORROSIVE LIQUID, N.O.S. (contains CHLORMEQUAT CHLORIDE) CORROSIVE ON ALUMINIUM
Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	8 III No Mark as dangerous for the environment is needed None known

Page: 14/14

Version: 4.0

BASF Safety data sheet according to Regulation (EC) No. 1907/2006 Date / Revised: 05.02.2013 Product: **CECECE** 

(ID no. 30354874/SDS\_CPA\_EU/EN)

Date of print 07.02.2013

#### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not evaluated
Not evaluated
Not evaluated
Not evaluated
Not evaluated

#### **SECTION 15: Regulatory Information**

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

For the user of this plant-protective product applies: 'To avoid risks to man and the environment, comply with the instructions for use.' (Directive 1999/45/EC, Article 10, No. 1.2)

#### 15.2. Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

#### **SECTION 16: Other Information**

For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

Full text of the classifications, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, if mentioned in section 2 or 3:

Xn	Harmful.
21/22	Harmful in contact with skin and if swallowed.
Met. Corr.	Substance or mixture corrosive to metals
Acute Tox.	Acute toxicity
H312	Harmful in contact with skin.
H302	Harmful if swallowed.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.