SAFETY DATA SHEET
(according 1907/2006/CE, Art. 31)
AquaCHROM™ ECC
Ref : AQ056

AD-ASQ-217
Version 1.1
09-Feb-2018

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

1.1 Product identifier
· Trade name: AquaCHROM™ ECC

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
· Application of the substance / the preparation : Reagent for Laboratory Use

1.3 Details of the supplier of the safety data sheet
· Manufacturer/Supplier:
  CHROMagar
  4, place du 18 Juin 1940 - 75006 Paris
  Tel: +33 1 45 48 05 05
  Email : chromagar@chromagar.com

1.4 Emergency telephone number:
France (ORFILA 24h/24) - Tel : +33 (0)1 45 42 59 59
Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24) EU Tel: 112
Belgique - Tel : 32 070/245 245
UK : 111 (NHS) / 0345 300 9923 (HSE)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
· Classification according to Regulation (EC) No 1272/2008 :
The product is not classified according to the CLP regulation.

2.2 Label elements
· Labelling according to Regulation (EC) No 1272/2008 : Not classified as hazardous
· Hazard pictograms : Not classified as hazardous
· Signal word : Not classified as hazardous
· Hazard statements : Not classified as hazardous

2.3 Other hazards
· Results of PBT and vPvB assessment
  · PBT: Not applicable.
  · vPvB: Not applicable.

SECTION 3: Composition / information on ingredients

3.2 Mixtures
· Description : Mixture: consisting of the following components.
· Dangerous components :
  CAS: 7757-79-1 potassium nitrate
  EINECS: 231-818-8
  RTECS: TT 3700000
  Ox. Sol. 2, H272
  <5%
· SVHC :
· Additional information : For the wording of the listed risk phrases, refer to section 16.
SECTION 4: First aid measures

4.1 Description of first aid measures

· General information: Position and transport stably in side position. No special measures required.
· After excessive inhalation: Provide fresh air; consult a doctor in case of medical complaints.
· After skin contact: In the event of irritation, to withdraw soiled clothing, to wash the parts reached with soapy water, to rinse with large water. If skin irritation continues, consult a doctor.
· After eye contact: Rinse opened eye for several minutes under running water.
· After swallowing: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

SECTION 5: Firefighting measures

5.1 Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture: No further relevant information available.

5.3 Advice for firefighters

· Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: No special measures required. Avoid formation of dust.

6.2 Environmental precautions: Do not allow product to reach sewage system or any water course. Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up: Pick up mechanically.

6.4 Reference to other sections:

See Section 7 for information on safe handling.
See Section 8 for information on personal protective equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling: Keep away from heat and direct sunlight. Thorough dedusting.

· Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities:

· Storage:
  · Requirements to be met by storerooms and receptacles: Store away from light and moisture. No special requirements.
  · Information about storage in one common storage facility: Not required.
· Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

· Recommended storage temperature: 15-30°C

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls / personal protection

· Additional information about design of technical facilities: No further data; see section 7.

8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace: The product does not contain any significant quantities of materials with critical values that have to be monitored at the workplace.

· Additional information: The most current valid lists have been used as a basis for the production of this document.

8.2 Exposure controls

· Personal protective equipment:

  · General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands: Protective gloves. EN374 gloves for chemicals.

Gloves material: Butyl rubber, BR.

Eye protection: Safety glasses.

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

· General Information

  · Appearance:
    · Form: Powder
    · Colour: Beige
  · Odour: Characteristic
• Odour threshold: Not determined.
• pH-value: Not applicable.
• Change in condition:
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: Undetermined.
• Flash point: Not applicable.
• Flammability (solid, gaseous): Not determined.
• Ignition temperature: Not applicable.
• Decomposition temperature: Not determined.
• Self-igniting: Product is not self-igniting.
• Danger of explosion: Product does not present an explosion hazard.
• Explosion limits:
  - Lower: Not determined.
  - Upper: Not determined.
• Vapour pressure: Not applicable.
• Density at 20°C: 0.5 ±/− 0.1 g/cm³
• Relative density: Not determined.
• Vapour density: Not applicable.
• Evaporation rate: Not applicable.
• Solubility in / Miscibility with water: Fully soluble.
• Segregation coefficient (n-octanol/water): Not determined.
• Viscosity:
  - Dynamic: Not applicable.
  - Kinematic: Not applicable.

9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity: No further relevant information available.
10.2 Chemical stability:
• Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.
10.3 Possibility of hazardous reactions: No dangerous reactions known.
10.4 Conditions to avoid: No further relevant information available.
10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
• Acute toxicity: Based on available data, the classification criteria are not met.
• LD/LC50 values relevant for classification:
  7757-79-1 potassium nitrate
  Oral LD50 3750 mg/kg (rat)
• Primary irritant effect:
• On the skin: Based on available data, the classification criteria are not met.
• On the eyes: Based on available data, the classification criteria are not met.
• Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity
- Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

- Additional ecological information:
  - General notes: Generally not hazardous for water.

12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
- Recommendation: Must be specially treated according to official regulations. Smaller quantities can be disposed of with household waste.

- Uncleaned packaging:
  - Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number
- ADR, ADN, IMDG, IATA: Void

14.2 UN proper shipping name
- ADR, ADN, IMDG, IATA: Void

14.3 Transport hazard class(es)
- ADR, ADN, IMDG, IATA
  - Class: Void

14.4 Packing group
- ADR, IMDG, IATA: Void

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user: Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.
SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the mixture:
· Directive 2012/18/EU
· Named dangerous substances - ANNEX I: None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases
H272 May intensify fire; oxidiser.

· Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Ox. Sol. 2: Oxidising Solids, Hazard Category 2