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## 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 :

No

- Additional information :

For the wording of the listed risk phrases, refer to section 16.

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## 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.

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- **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

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· 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/cm <sup>3</sup>
· 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.

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- **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.

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· UN "Model Regulation": Void

## 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