



# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## Carmine-Muci

Print date: 07.07.2015

Product code: 1A-166

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

#### 1.1. Product identifier

Carmine-Muci

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

##### Use of the substance/mixture

Use as laboratory reagent

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

Company name: Waldeck GmbH & Co KG  
 Division Chroma  
 Street: Havixbecker Str. 62  
 Place: D-48161 Münster  
 Post-office box: 410180  
 D-48065 Münster  
 Telephone: +49(0)180/2247662      Telefax: +49(0)180/1247662  
 Responsible Department: Labor  
 Mo. – Do.: 08.00 – 17.00 Uhr, Fr.: 08.00 – 15.00 Uhr  
 +49(0)180/2247662

#### 1.4. Emergency telephone number:

### SECTION 2: Hazards identification

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

Hazard categories:  
 Skin corrosion/irritation: Skin Corr. 1B  
 Serious eye damage/eye irritation: Eye Dam. 1  
 Hazard Statements:  
 Causes severe skin burns and eye damage.

#### 2.2. Label elements

##### Hazardous components which must be listed on the label

Aluminium chloride hexahydrate pure

Signal word: Danger

Pictograms:



##### Hazard statements

H314 Causes severe skin burns and eye damage.

##### Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P363 Wash contaminated clothing before reuse.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER/doctor.



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2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
7784-13-6	Aluminium chloride hexahydrate pure			35 - < 40 %
	231-208-1			
	Skin Corr. 1B; H314			

Full text of H and EUH phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water.

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

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Hazardous combustion products

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid generation of dust. Do not breathe dust.



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6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Advice on storage compatibility

No special measures are necessary.

7.3. Specific end use(s)

Use as laboratory reagent

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls



Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.



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### SECTION 9: Physical and chemical properties

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

Physical state:	solid
Colour:	violet
Odour:	characteristic

#### Test method

pH-Value (at 20 °C):	3,1
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#### Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	not applicable

#### Flammability

Solid:	not determined
Gas:	not applicable

Lower explosion limits:	not determined
Upper explosion limits:	not determined

#### Auto-ignition temperature

Solid:	not determined
Gas:	not applicable

Decomposition temperature:	not determined
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#### Oxidizing properties

Not oxidizing.

Vapour pressure:	not determined
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Density:	not determined
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Water solubility: (at 20 °C)	easily soluble
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#### Solubility in other solvents

not determined

Partition coefficient:	not determined
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Vapour density:	not determined
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Evaporation rate:	not determined
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#### 9.2. Other information

Solid content:	not determined
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

No known hazardous reactions.



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10.4. Conditions to avoid

none

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
7784-13-6	Aluminium chloride hexahydrate pure				
	oral	LD50	3450 mg/kg	Rat	GESTIS
	dermal	LD50	> 2000 mg/kg	Rabbit	GESTIS

Irritation and corrosivity

Causes severe skin burns and eye damage.

Sensitising effects

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

This mixture is classified as not hazardous according to 1999/45/EC.

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
7784-13-6	Aluminium chloride hexahydrate pure					
	Acute fish toxicity	LC50	6,17 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	GESTIS
	Acute crustacea toxicity	EC50	1,9 mg/l	48 h	Ceriodaphnia spec	GESTIS

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.



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12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal


Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging


Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 1759
14.2. UN proper shipping name:	CORROSIVE SOLID, N.O.S. ALUMINIUM CHLORIDE
14.3. Transport hazard class(es):	8
14.4. Packing group:	II
Hazard label:	8
	
Classification code:	C10
Special Provisions:	274
Limited quantity:	1 kg
Excepted quantity:	E2
Transport category:	2
Hazard No:	80
Tunnel restriction code:	E

Inland waterways transport (ADN)

14.1. UN number:	UN 1759
14.2. UN proper shipping name:	CORROSIVE SOLID, N.O.S. ALUMINIUM CHLORIDE
14.3. Transport hazard class(es):	8
14.4. Packing group:	II
Hazard label:	8
	
Classification code:	C10
Special Provisions:	274
Limited quantity:	1 kg
Excepted quantity:	E2



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Marine transport (IMDG)

- 14.1. UN number: UN 1759
- 14.2. UN proper shipping name: CORROSIVE SOLID, N.O.S. ALUMINIUM CHLORIDE
- 14.3. Transport hazard class(es): 8
- 14.4. Packing group: II
- Hazard label: 8



- Special Provisions: 274
- Limited quantity: 1 kg
- Excepted quantity: E2
- EmS: F-A, S-B

Air transport (ICAO)

- 14.1. UN number: UN 1759
- 14.2. UN proper shipping name: CORROSIVE SOLID, N.O.S. ALUMINIUM CHLORIDE
- 14.3. Transport hazard class(es): 8
- 14.4. Packing group: II
- Hazard label: 8



- Special Provisions: A3 A803
- Limited quantity Passenger: 5 kg
- Passenger LQ: Y844
- Excepted quantity: E2
- IATA-packing instructions - Passenger: 859
- IATA-max. quantity - Passenger: 15 kg
- IATA-packing instructions - Cargo: 863
- IATA-max. quantity - Cargo: 50 kg

14.6. Special precautions for user

No information available.

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

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

National regulatory information

- Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.
- Water contaminating class (D): 1 - slightly water contaminating

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**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****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 Harmonized 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  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%

**Relevant H- and EUH-phrases (Number and full text)**

H314 Causes severe skin burns and eye damage.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*