

# Safety Data Sheet

in accordance with regulation (EC) No 1907/2006 (EC No 2015/830)



Lava Con Mex 02

000010006070

Version 6.5 / D / EN Revision Date: 28.01.2019

replaces version: 6.4 on 20.09.2017

generated on: 05.03.2002

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## SECTION 1: Identification of the substance/preparation and company

### 1.1 Product identifier

**Lava® Con MEX 02**

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

Use pattern :  
Textile auxiliary

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

DyStar Colours Distribution GmbH

Am Prime Park 10-12

D - 65479 Raunheim

Telephone no. +49 6142 4072 3172

Telefax no. +49 6142 4072 3000

MSDS@DyStar.com

### 1.4 Emergency telephone number

Emergency telephone number: +49 2365 4984140

## SECTION 2: Hazards identification

### 2.1 Classification of the Substance or Mixture

#### According to regulation (EC) 1272/2008 on classification, labelling and packaging of substances and mixtures

Causes serious eye irritation.

Causes skin irritation.

Harmful in contact with skin.

Harmful if swallowed.

May cause an allergic skin reaction.

Very toxic to aquatic life.

May be corrosive to metals.

Suspected of causing cancer.

May cause damage to organs through prolonged or repeated exposure.

Classification of the Substance or Mixture

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Acute Toxicity: Cat. 4 (oral)  
Acute Toxicity: Cat. 4 (dermal)  
Corrosive to metals, Hazard Category 1  
Skin corrosion/irritation: Irritant, Cat. 2  
Serious eye damage/eye irritation: Irritating to eyes, Cat. 2  
Respiratory or skin sensitization: Skin Sensitization, Cat. 1B  
Carcinogenicity, Hazard Category 2  
Specific target organ toxicity — Single exposure, Category 2  
Hazardous to the aquatic environment: Acute Category 1

## 2.2 Label elements

### Pictograms:



corrosion



exclamation mark



environment



health hazard

### Signal word:

Warning

### contains:

Hydroxylammonium sulphate

### Hazard Statements:

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H312	Harmful in contact with skin.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H290	May be corrosive to metals.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

### Precautionary Statements (Prevention):

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P273	Avoid release to the environment.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P202	Do not handle until all safety precautions have been read and understood.

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- P272 Contaminated work clothing should not be allowed out of the workplace.  
P270 Do not eat, drink or smoke when using this product.  
P234 Keep only in original container.

#### Precautionary Statements (Response):

- P311 Call a POISON CENTER or doctor/physician.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P361 Remove/Take off immediately all contaminated clothing.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.  
P362 Take off contaminated clothing and wash before reuse.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P390 Absorb spillage to prevent material-damage.

#### Precautionary Statements (Storage):

- P405 Store locked up.

#### Precautionary Statements (Disposal):

- P501 Dispose of contents/container to waste treatment in accordance with national regulations.

### 2.3 Other hazards

If applicable in this section are given hazards which are not part of the overall classification but can contribute to the hazards which may be associated with the substance or mixture.

not applicable

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

#### Chemical characterization

hydroxyl ammonium sulphate

#### Hazardous Ingredients (GHS) according Regulation (EC) 1272/2008

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## Hydroxylammonium sulphate

Content: > 99 %  
EC Number 233-118-8  
EC index no. : 612-123-00-2  
CAS number: 10039-54-0

Met. Corr. 1	H290
Acute Tox. 4 (oral)	H302
STOT RE 2	H373
Skin Irrit. 2	H315
Skin Sens. 1B	H317
Eye Irrit. 2	H319
Aquatic. Acute 1	H400
Acute Tox. 4 (dermal)	H312
Carc. 2	H351

### 3.2 Mixtures

not applicable

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General information: Take off immediately all contaminated clothing.

After inhalation: After inhalation move to uncontaminated area for fresh air treatment, keep warm, let rest. Consult a physician. If decomposition products are inhaled, remove the affected person to a source of fresh air and keep him calm. Provide medical aid. Cortisone spray should be inhaled immediately after inhalation of the substance to prevent toxic pulmonary oedema.

After contact with skin: Cleansing with plenty of water, soap or other non-irritating cleansing agents.

After contact with eyes: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. A doctor (or eye specialist ) should be consulted immediately.

After ingestion: Rinse mouth out immediately and drink plenty of water. Consult a doctor.

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

Please see hazard statements in section 2.2 if given and information in this section if stated.

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

Please see precautionary statements in section 2.2 as well as first aid information in this section if stated.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

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Suitable extinguishing media: Product itself is non-combustible; Fire extinguishing method of surrounding areas must be discussed., water mist, foam, dry powder

Extinguishing media that must not be used for safety reasons: not determined

## 5.2 Special hazards arising from the substance or mixture

Sulphur dioxide (SO<sub>2</sub>) Sulphur trioxide (SO<sub>3</sub>) Nitrous gases (NO<sub>x</sub>)

## 5.3 Advice for firefighters

Special protective equipment for firefighting: Firemen have to wear self-contained breathing apparatus.

Further information: In the event of an adjacent fire, cool container down with water spray, if possible removing it from the fire area. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

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

Personal precautions: Avoid formation and deposition of dust. Do not breathe dust. Avoid contact with skin and eyes.

### 6.2 Environmental precautions

Environmental precautions: Do not empty into drains or waters.

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

Methods for cleaning up/taking up: Take up spilled product with dust-binding material or suitable vacuum cleaner. Fill into labelled, sealable containers.

### 6.4 Reference to other sections

Additional information: For further disposal measures see chapter 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling: Avoid formation and deposition of dust. Ensure adequate ventilation and, if necessary, exhaust ventilation when handling or transferring the product.

Advice on protection against fire and explosion: Product is not combustible.

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## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: Store in original container in a cool, dry place.  
Do not allow product temperature to exceed 80 °C.

Advice on storage compatibility: Do not store together with alkali reactive substances or Nitrites. Keep away from oxidising agents. Do not store together with metals.

Further information on storage conditions: Explosives law (Germany): substance group C Regulation to the explosives law (Germany): storage group III (Substances which possess an AK value (substance throughput) below 60 kg/min)

Storage class: 4.1A Flammable solids

Storage stability: not determined

## 7.3 Specific end use(s)

not determined

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Ingredients with occupational exposure limits to be monitored

contains: **Hydroxylammonium sulphate**

Observe national regulations.

### 8.2 Exposure controls

General protective measures: Do not breathe dust. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.

Hygiene measures: Keep away from food and drink stuffs.

Do not eat, drink or smoke at work.

Wash hands before breaks and at end of work and use skin-protecting ointment.

Respiratory protection: Dust mask with particle filter. Respiratory protection in case of insufficient exhaust ventilation or prolonged exposure.

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Hand protection:	Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately.
Eye protection:	safety glasses with side protection shield
Body protection:	Wear protective clothing.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form:	crystalline
Colour:	clear, white
Odour:	odourless
Melting/softening point :	from 120 °C Decomposition temperature
Boiling point:	not determined
Flash point:	not determined
Ignition temperature:	not determined
Flammability:	not determined
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Vapour pressure:	not determined
Density:	1.880 g/cm <sup>3</sup> (20 °C)
Solubility in water:	370 g/l (20 °C)
pH value:	3,6 (20 °C, 10 g/l)
Octanol/water partition coefficient (log not determined Pow):	
Viscosity (dynamic) :	not determined
Viscosity (kinematic) :	not determined

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Viscosity (flow time) : not determined

## 9.2 Other information

Combustion number: not determined

Dust explosion class: not determined

Bulk density: 1.100 kg/m<sup>3</sup>

Further information (phys.-chem.): not necessary

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

### 10.2 Chemical stability

Thermal decomposition: from 120 °C  
Decomposition may extend over the whole product quantity.

### 10.3 Possibility of hazardous reactions

Hazardous reactions: Reaction with Alkalies and Nitrites. oxidizing agents alkalis Reactions with metals in powder form. Heavy metal salts

Hazardous decomposition products: Sulphurous oxides (SO<sub>x</sub>) Nitrogen oxides (NO<sub>x</sub>) Hydroxylamine

### 10.4 Conditions to avoid

For avoidable conditions: Do not allow product temperature to exceed 80 °C.

### 10.5 Incompatible materials

For avoidable materials: bases nitrites oxidizing agent nitrates Heavy metal salts

### 10.6 Hazardous decomposition products

Sulphurous oxides (SO<sub>x</sub>) Nitrogen oxides (NO<sub>x</sub>) Hydroxylamine

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects



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Acute oral toxicity:	not determined
Acute inhalation toxicity:	not determined
Acute dermal toxicity:	not determined
Irritant effect on skin:	not determined
Irritant effect on eyes:	not determined
Sensitization:	not determined
Repeated dose toxicity:	not determined
Mutagenicity:	not determined
Teratogenicity:	not necessary
Carcinogenicity:	not necessary

## SECTION 12: Ecological information

### 12.1 Toxicity

Fish toxicity:	not determined
Daphnia toxicity:	not determined
Algae toxicity:	not determined
Bacteria toxicity:	not determined
Remarks:	not determined

### 12.2 Persistence and degradability

Physico-chemical eliminability:	not determined
Biodegradability:	not determined
Behaviour in environmental compartments::	not determined
Dissolved Organic carbon (DOC):	not determined
Chemical oxygen demand (COD) :	not determined

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Biochemical oxygen demand (BOD5): not determined

## 12.3 Bioaccumulative potential

not determined

## 12.4 Mobility in soil

not determined

## 12.5 Results of PBT and vPvB assessment

not determined

## 12.6 Other adverse effects

not determined

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product: If utilization or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e.g. by incineration in a suitable plant. Address manufacturer. ,

Uncleaned packaging: Soiled, empty containers are to be treated in the same way as the contents.

## SECTION 14: Transport information

ADR	UN 2865 Hydroxylamine sulphate
	Class: 8 PG:III Environmentally hazardous substance
ADNR	UN 2865 Hydroxylamine sulphate
	Class: 8 PG:III Environmentally hazardous substance
RID	UN 2865 Hydroxylamine sulphate
	Class: 8 PG:III Environmentally hazardous substance
IMDG	UN 2865 Hydroxylamine sulphate
	Class: 8 PG:III Marine pollutant EmS: F-A , S-B
IATA_C	UN 2865 Hydroxylamine sulphate
	Class: 8 PG:III
IATA_P	UN 2865 Hydroxylamine sulphate
	Class: 8 PG:III

### 14.1 UN number

See above entry at the respective regulation.

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## 14.2 UN proper shipping name

See above entry at the respective regulation.

## 14.3 Transport hazard class(es)

See above entry at the respective regulation.

## 14.4 Packing group

See above entry at the respective regulation.

## 14.5 Environmental hazards

See above entry at the respective regulation.

## 14.6 Special precautions for user

Slightly corrosive  
Environmentally hazardous substance  
Keep separated from foodstuffs.

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

No transport in bulk according to Annex II of MARPOL 73/78 and the IBC code foreseen for this substance or mixture.:

## SECTION 15: Regulatory information

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

TA-Luft (Ger.) : not applicable

Water Hazard Class (Ger.) : not determined

### 15.2 Chemical safety assessment

not determined

## SECTION 16: Other information

Text of all shortcuts referred to in sections 2 and 3:

H290 May be corrosive to metals.

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H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
Aquatic. Acute 1	Hazardous to the aquatic environment: Acute Category 1
Acute Tox. 4 (dermal)	Acute Toxicity: Cat. 4 (dermal)
Acute Tox. 4 (oral)	Acute Toxicity: Cat. 4 (oral)
Carc. 2	Carcinogenicity, Hazard Category 2
Eye Irrit. 2	Serious eye damage/eye irritation: Irritating to eyes, Cat. 2
Met. Corr. 1	Corrosive to metals, Hazard Category 1
Skin Sens. 1B	Respiratory or skin sensitization: Skin Sensitization, Cat. 1B
Skin Irrit. 2	Skin corrosion/irritation: Irritant, Cat. 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.