

Lava Con MEX 02

PLCA25

000010006070

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Version 6.1 / D / EN Revision Date: 02.08.2013

replaces version: 6.0 on 24.02.2011

generated on: 05.03.2002

1) Identification of the substance/preparation and company

1.1 Product identifier

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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(0)61424072 - 3172

Telefax no. 49(0)61424072 - 3000

MSDS@DyStar.com

1.4 Emergency telephone number

Emergency telephone number: 49(0)2365/4984140

2) Hazards identification

2.1 Classification of the Substance or Mixture

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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

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 sensitisation: Skin Sensitisation, Cat. 1B
Carcinogenicity, Hazard Category 2
Specific target organ toxicity — Single exposure, Category 2
Hazardous to the aquatic environment: Acute Category 1

Possible Hazards according Directive 67/548/EEC or 1999/45/EC

Limited evidence of a carcinogenic effect.
Harmful if swallowed.
Harmful: danger of serious damage to health by prolonged exposure if swallowed.
Irritating to eyes and skin.
May cause sensitization by skin contact.
Very toxic to aquatic organisms.

2.2 Label elements

Pictograms:



corrosion



exclamation mark



environment



health hazard

Signal word:

Warning

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Hazard Statements:

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.

Precautionary Statements (Prevention):

Wear protective gloves/protective clothing/eye protection/face protection.

Avoid release to the environment.

Do not breathe dust/fume/gas/mist/vapours/spray.

Do not handle until all safety precautions have been read and understood.

Contaminated work clothing should not be allowed out of the workplace.

Do not eat, drink or smoke when using this product.

Keep only in original container.

Precautionary Statements (Response):

Call a POISON CENTER or doctor/physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN: Wash with plenty of soap and water.

Remove/Take off immediately all contaminated clothing.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

Take off contaminated clothing and wash before reuse.

If skin irritation occurs: Get medical advice/attention.

Absorb spillage to prevent material-damage.

Precautionary Statements (Storage):

Store locked up.

Precautionary Statements (Disposal):

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

3) Composition/information on ingredients

3.1 Substances

Chemical characterization

hydroxyl ammonium sulphate

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

Hydroxylammonium sulphate

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Content:	> 99 %	Met. Corr. 1	H290
EG-Number	233-118-8	Acute Tox. 4 (oral)	H302
EC number :	612-123-00-2	STOT RE 2	H373
CAS number :	10039-54-0	Skin Irrit. 2	H315
		Skin Sens. 1B	H317
		Eye Irrit. 2	H319
		Aquatic. Acute 1	H400
		Acute Tox. 4 (dermal)	H312
		Carc. 2	H351

Hazardous Ingredients according Directive 1999/45/EC

Hydroxylammonium sulphate

Content:	> 99 %	Hazard symbols: E, Xn , N
EG-Number	233-118-8	R phrases: 2 - 21/22 - 36/38 - 40 - 43 -
EC number :	612-123-00-2	48/22 - 50
CAS number :	10039-54-0	

3.2 Mixtures

Not applicable

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.

5) Fire-fighting measures

5.1 Extinguishing media

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

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

Special hazards from the substance itself, its combustion products or from its vapours: Sulphur dioxide (SO₂) Sulphur trioxide (SO₃) Nitrous gases (NO_x)

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.

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.

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.

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.

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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 throuput) below 60 kg/min)

Storage class: 4.1A Flammable solids

Storage stability: not determined

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.

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.

9) Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form : crystalline

Colour : white

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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 ³ (20 °C)
Bulk density :	1.100 kg/m ³
Solubility in water :	370 g/l (20 °C)
pH value :	3,6 (20 °C, 10 g/l)
Octanol/water partition coefficient (log Pow) :	-3,6 (25 °C)
Viscosity (dynamic) :	not determined
Viscosity (kinematic) :	not determined
Viscosity (flow time) :	not determined
Further information (phys.-chem.)	not necessary
Combustion number :	not determined

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.
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10.3 Possibility of hazardous reactions

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

Hazardous decomposition products: Sulphurous oxides (SOx) Nitrogen oxides (NOx) 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

11) Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity :	LD50 600 - 700 mg/kg (rat)
Acute inhalation toxicity :	(8 h, rat) Method : Inhalation risk test No mortality after exposure to an enriched saturated atmosphere at 20 °C.
Acute dermal toxicity :	LD50 1.500 - 2.000 mg/kg (rabbit)
Irritant effect on skin :	irritant (rabbit)
Irritant effect on eyes :	irritant (rabbit eye)
Sensitization :	sensitizing (Guinea pig) Method : Maximisation Test
Repeated dose toxicity	not determined
Mutagenicity:	not determined
Teratogenicity :	No indications of a developmental toxic / teratogenic effect were seen in animal studies.
Carcinogenicity :	In long-term studies in rats and mice in which the substance was given by drinking water, a carcinogenic effect was observed.

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Remarks : Methaemoglobin formation observed in animal tests (cat). The substance may cause damage to the hematological system even after repeated ingestion of low doses, as shown in animal studies.

12) Ecological information

12.1 Toxicity

Fish toxicity :	LC50 1 - 10 mg/l (96 h, Pimelphales promelas) (literature-information)
Daphnia toxicity :	EC50 1 - 10 mg/l (48 h, Daphnia magna) Method : OECD 202 / ISO 6341 / EEC 84/449/V, C2
Algae toxicity :	EC50 < 1,0 mg/l (72 h, Scenedesmus subspicatus) Method : OECD 201 / ISO 8692 / EEC 88/302/V, C
Bacteria toxicity :	EC20 < 1,0 mg/l (3 h, activated sludge) Method : OECD 209

12.2 Persistence and degradability

Physico-chemical eliminability :	not determined
Biodegradability :	Inorganic product, cannot be eliminated from the water by biological purification processes.
Behaviour in environmental compartments:	not determined
Dissolved Organic carbon (DOC) :	not determined
Chemical oxygen demand (COD) :	not determined
Biochemical oxygen demand (BOD5):	not determined

Remarks: Do not release into waterways untreated
Due to the pH-value of the product, neutralization is generally required before discharging sewage into treatment plants.

Product does not add to the AOX-value of the sewage. (DIN EN 1485)
The product does not contain phosphates or organophosphorus compounds.
The product does not contain heavy metals in concentrations of concern for waste water.

13) Disposal considerations

13.1 Waste treatment methods

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Product: If utilisation 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.

14) Transport information

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

Other information Slightly corrosive, Environmentally hazardous substance, Keep separated from foodstuffs.

15) Regulatory information

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

Labelling in accordance with Annex I of directive 67/548/EEC and its amendments and adaptations:

Hazard symbols:	E	Explosive
	Xn	Harmful
	N	Dangerous for the environment

contains: Hydroxylammonium sulphate

R2 : Risk of explosion by shock, friction, fire or other sources of ignition.
R21/22 : Harmful in contact with skin and if swallowed.
R36/38 : Irritating to eyes and skin.
R40 : Limited evidence of a carcinogenic effect.
R43 : May cause sensitization by skin contact.
R48/22 : Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50 : Very toxic to aquatic organisms.

S36/37 : Wear suitable protective clothing and gloves.

S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.

TA-Luft (Ger.) : Not applicable

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Water Hazard Class (Ger.) : WGK 3 - high impairment of water quality WGK = Classification in accordance with the German Water Resources Act Annex 3 VwVwS (Germany) dated Mai, 17th 1999

Other regulations: 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)

16) Other information

Text of all R phrases referred to in sections 2 and 3:

2	Risk of explosion by shock, friction, fire or other sources of ignition.
22	Harmful if swallowed.
40	Limited evidence of a carcinogenic effect.
43	May cause sensitization by skin contact.
50	Very toxic to aquatic organisms.
21/22	Harmful in contact with skin and if swallowed.
36/38	Irritating to eyes and skin.
48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.

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.