

Safety Data Sheet

in accordance with regulation (EC) No 1907/2006 (EC No 453/2010)



Lava Zyme Lite Neu 50

000010075892

Version 1.3 / D / EN Revision Date: 22.08.2017

replaces version: 1.2 on 19.01.2015

generated on: 30.10.2012

Page 1/11

SECTION 1: Identification of the substance/preparation and company

1.1 Product identifier

Lava Zyme Lite Neu 50

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.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Classification of the Substance or Mixture

Serious eye damage/eye irritation: Irritating to eyes, Cat. 2

Respiratory or skin sensitisation: Respiratory Sensitisation, Cat. 1B

2.2 Label elements

Pictograms:

Safety Data Sheet

in accordance with regulation (EC) No 1907/2006 (EC No 453/2010)

Lava Zyme Lite Neu 50

000010075892

Page 2/11

Version 1.3 / D / EN Revision Date: 22.08.2017

replaces version: 1.2 on 19.01.2015

generated on: 30.10.2012



health hazard



exclamation mark

Signal word:
Danger

contains:
Enzyme protein
adipic acid

Hazard Statements:

- H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements (Prevention):

- P261 Avoid breathing dust/fume/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P285 In case of inadequate ventilation wear respiratory protection.

Precautionary Statements (Response):

- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+P311 If experiencing respiratory symptoms: 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.
P337+P313 If eye irritation persists: Get medical advice/attention.

Precautionary Statements (Storage):

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

Safety Data Sheet

in accordance with regulation (EC) No 1907/2006 (EC No 453/2010)



Lava Zyme Lite Neu 50

000010075892

Version 1.3 / D / EN Revision Date: 22.08.2017

replaces version: 1.2 on 19.01.2015

generated on: 30.10.2012

Page 3/11

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical characterization

Enzyme

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

methyl 4-hydroxy-3,5-dimethoxybenzoate

Content:	< 2 %	Skin Irrit. 2	H315
EC Number	429-050-5	Eye Irrit. 2	H319
CAS number :	884-35-5	STOT SE 3	H335

Enzyme protein

Content:	< 5 %	Resp. Sens. 1B	H334
CAS number :	80498-15-3		

adipic acid

Content:	30 - 40 %	Eye Irrit. 2	H319
EC Number	204-673-3		
EC index no. :	607-144-00-9		

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Take off immediately all contaminated clothing.

After inhalation: Upon inhalation of aerosol/vapour/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.

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

After contact with eyes: In case of eye contact rinse with plenty of water. Consult an eye specialist.

After ingestion: If the product is swallowed, the patient must at once drink water repeatedly, if possible with the addition of activated carbon. If the patient feels unwell, seek medical advice.

Safety Data Sheet

in accordance with regulation (EC) No 1907/2006 (EC No 453/2010)



Lava Zyme Lite Neu 50

000010075892

Version 1.3 / D / EN Revision Date: 22.08.2017

replaces version: 1.2 on 19.01.2015

generated on: 30.10.2012

Page 4/11

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

Suitable extinguishing media: water mist, foam, dry powder

Extinguishing media that must not be used for safety reasons: CO₂

5.2 Special hazards arising from the substance or mixture

not determined

5.3 Advice for firefighters

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

Further information: 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.

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.

Safety Data Sheet

in accordance with regulation (EC) No 1907/2006 (EC No 453/2010)



Lava Zyme Lite Neu 50

000010075892

Version 1.3 / D / EN Revision Date: 22.08.2017

replaces version: 1.2 on 19.01.2015

generated on: 30.10.2012

Page 5/11

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Avoid formation and deposition of dust.
Keep container tightly closed and dry.

Advice on protection against fire and explosion: Observe the usual precautionary measures required for chemicals with dust-explosive properties. Observe national regulations.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: Store in original container in a cool, dry place.
In filling operations take precautionary measures against static discharges.

Storage class: 11 Combustible solids

7.3 Specific end use(s)

not determined

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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.

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

Safety Data Sheet

in accordance with regulation (EC) No 1907/2006 (EC No 453/2010)



Lava Zyme Lite Neu 50

000010075892

Version 1.3 / D / EN Revision Date: 22.08.2017

replaces version: 1.2 on 19.01.2015

generated on: 30.10.2012

Page 6/11

Body protection : Wear protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form :	solid
Colour :	beige
Odour :	slightly
Flash point :	> 100 °C
Ignition temperature :	not determined
flammability :	not determined
Lower explosion limit :	not determined
Upper explosion limit :	not determined
Vapour pressure :	not determined
Density :	approx. 0,9 g/cm ³ (20 °C)
Solubility in water :	partly soluble
pH value :	approx. 4 (5 g/l)
Octanol/water partition coefficient (log Pow) :	not determined
Viscosity (dynamic) :	not determined
Viscosity (kinematic) :	not determined
Viscosity (flow time) :	not determined

9.2 Other information

Combustion number :	not determined
Dust explosion class :	not determined

Safety Data Sheet

in accordance with regulation (EC) No 1907/2006 (EC No 453/2010)



Lava Zyme Lite Neu 50

000010075892

Version 1.3 / D / EN Revision Date: 22.08.2017

replaces version: 1.2 on 19.01.2015

generated on: 30.10.2012

Page 7/11

Bulk density : not determined

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 No thermal decomposition when stored and handled correctly.

10.3 Possibility of hazardous reactions

Hazardous reactions: In the case of dusty organic products the possibility of a dust explosion should always be considered.

Hazardous decomposition products: Not applicable

10.4 Conditions to avoid

For avoidable conditions: not necessary

10.5 Incompatible materials

For avoidable materials: not necessary

10.6 Hazardous decomposition products

Not applicable

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity : LD50 > 2.000 mg/kg (rat)

Acute inhalation toxicity : not determined

Acute dermal toxicity : not determined

Irritant effect on skin : non-irritant (rabbit)

Irritant effect on eyes : irritant (rabbit eye)

Safety Data Sheet

in accordance with regulation (EC) No 1907/2006 (EC No 453/2010)



Lava Zyme Lite Neu 50

000010075892

Page 8/11

Version 1.3 / D / EN Revision Date: 22.08.2017

replaces version: 1.2 on 19.01.2015

generated on: 30.10.2012

Sensitization : May cause sensitization by inhalation.

Repeated dose toxicity not determined

Mutagenicity: not determined

Teratogenicity : not necessary

Carcinogenicity : not necessary

Remarks : Sensitization can occur in sensitive persons.

SECTION 12: Ecological information

12.1 Toxicity

Algae toxicity : not determined

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

12.2 Persistence and degradability

Physico-chemical eliminability : not determined

Biodegradability :
According to the present state of knowledge no disturbance is caused in biological sewage treatment plants if the product is used properly.

Behaviour in environmental compartments: not determined

Dissolved Organic carbon (DOC) : not determined

Chemical oxygen demand (COD) : not determined

Biochemical oxygen demand (BOD₅): not determined

12.3 Bioaccumulative potential

not determined

12.4 Mobility in soil

not determined

Safety Data Sheet

in accordance with regulation (EC) No 1907/2006 (EC No 453/2010)



Lava Zyme Lite Neu 50

000010075892

Version 1.3 / D / EN Revision Date: 22.08.2017

replaces version: 1.2 on 19.01.2015

generated on: 30.10.2012

Page 9/11

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 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.

European Waste Catalogue (EWC) code: 040215 wastes from finishing other than those mentioned in 04 02 14

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

SECTION 14: Transport information

ADR	Non dangerous goods
ADNR	Non dangerous goods
RID	Non dangerous goods
IMDG	Non dangerous goods
IATA_C	Non dangerous goods
IATA_P	Non dangerous goods

14.1 UN number

See above entry at the respective regulation.

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.

Safety Data Sheet

in accordance with regulation (EC) No 1907/2006 (EC No 453/2010)



Lava Zyme Lite Neu 50

000010075892

Version 1.3 / D / EN Revision Date: 22.08.2017

replaces version: 1.2 on 19.01.2015

generated on: 30.10.2012

Page 10/11

14.5 Environmental hazards

See above entry at the respective regulation.

14.6 Special precautions for user

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.) : WGK 2 - impairment of water quality WGK = Classification in accordance with the German Water Resources Act Annex 3 VwVwS (Germany) dated Mai, 17th 1999

15.2 Chemical safety assessment

not determined

SECTION 16: Other information

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

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
Eye Irrit. 2	Serious eye damage/eye irritation: Irritating to eyes, Cat. 2
Resp. Sens. 1B	Respiratory or skin sensitisation: Respiratory Sensitisation, Cat. 1B
Skin Irrit. 2	Skin corrosion/irritation: Irritant, Cat. 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3

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.

Safety Data Sheet

in accordance with regulation (EC) No 1907/2006 (EC No 453/2010)



Lava Zyme Lite Neu 50

000010075892

Version 1.3 / D / EN Revision Date: 22.08.2017

replaces version: 1.2 on 19.01.2015

generated on: 30.10.2012

Page 11/11