

SAFETY DATA SHEET

Revision Date 11.05.2019
Version 3.2

according to Regulation (EC) No. 1907/2006

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 Product identifiers

Trade name : ActiBiso™ VB5 75

INCI name : Panthenol

REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

CAS-No. : 81-13-0

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

Identified uses : Manufacture of substances

1.3 Details of the supplier of the safety data sheet

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Section 2: Hazards Identification

2.1 Classification of the substance or mixture:

According to REGULATION (EC) No 1272/2008[CLP]

No need for classification according to GHS criteria for this product.

2.2 label elements:

According to REGULATION (EC) No 1272/2008[CLP]

The product does not require a hazard warning label in accordance with GHS criteria.

2.3 Other hazards:

According to REGULATION (EC) No 1272/2008[CLP]

The substance does not contain harmful substance.

Section 3: Composition/information

Substance/Mixture:	Substance
Chemical Name:	Panthenol
Registration No.:	CIRS-REG-CN-190313-E1654
CAS No.:	81-13-0
EC No.:	201-327-3

Section 4: First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

4.1.2 In case of skin contact:

Wash off with soap and plenty of water. Consult a physician.

4.1.3 In case of eyes contact:

Flush eyes with water as a precaution.

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The product is not classified as harmful to human health effect.

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

If skin irritation or rash occurs, get medical advice/attention.

Section 5: Firefighting measures

5.1 Extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Not available.

5.3 Advice for firefighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

6.1.2 For emergency responders:

Wear an appropriate NIOSH/MSHA approved respirator if vapor is generated.

6.2 Environmental Precautions:

Do not let product enter drains.

6.3 Methods and material for Containment and Cleaning up:

Soak up with inert absorbent material and dispose of as hazardous waste.

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

Section 7: Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Provide appropriate exhaust ventilation at places where dust is formed.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use.
Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Store at room temperature from 20 to 25°C and protect from humidity for 24 months in the unopened original container, see "best use before" data stated on the label.

7.3 Specific end use(s):

Not applicable.

Section 8: Exposure controls/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

Not available.

8.1.2 Additional exposure limits under the conditions of use:

Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Safety glasses with side-shields.

Hand protection: Handle with gloves.

Body protection: Impervious clothing.

8.2.3 Environmental exposure controls:

Avoid discharge into the environment. According to local regulations, Federal and official regulations.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Viscous liquid
Colour:	Colorless to slightly yellow
Odour:	With slightly bitter taste
Odour threshold:	Not available
PH:	6.0-7.5(10%)
Melting point/range (°C):	Not determined
Boiling point/range (°C):	Not available
Flash point (°C):	> 100°C
Evaporation rate:	Not determined
Flammability limit - lower (%)	Not flammable
Flammability (solid, gas):	For liquids not relevant for classification and labeling
Ignition temperature (°C):	Not available
Upper/lower explosive limits:	For liquids not relevant for classification and labeling

Vapour pressure (°C):	Not available
Density (°C):	Not available
Water solubility (g/l):	Not available
n-Octanol/Water (log Kow):	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not determined
Explosive properties:	Not determined
Oxidation properties	C ₉ H ₁₉ NO ₄
Molecular Formula:	205.25
Molecular Weight:	

9.2 Other information:

Fat solubility(solvent-oil to be specified):

Not available.

Surface tension:

Not available.

Dissociation constant in water(pKa):

Not available.

Oxidation-reduction Potential:

Not available.

Section 10: Physical and chemical properties

10.1 Reactivity:

The substance is stable under normal storage and handling conditions.

10.2 Chemical stability:

Stable at room temperature in closed containers under normal storage and handling conditions.

10.3 Possibility of hazardous reactions:

Stable at room temperature in closed containers under normal storage and handling conditions.

10.4 Conditions to avoid:

Humidity

10.5 Incompatible materials:

Bases, acids.

10.6 Hazardous decomposition products:

None.

Section 11: Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:

Assessment of acute toxicity: Virtually nontoxic after a single ingestion.
The inhalation of a highly enriched/saturated vapor-air-mixture represents an unlikely acute hazard. Virtually nontoxic after a single skin contact.

Irritation:

Assessment of irritating effects: Not irritating to eyes and skin.

Experimental/calculated data:

Skin corrosion/ irritation rabbit: non-irritant(OECD Guideline 404)

Serious eye damage/irritation rabbit: non-irritant

Serious eye damage/irritation rabbit: non-irritant(OECD Guideline 405)

Respiratory or skin sensitization:

Assessment of sensitization :Skin sensitizing effects were not observed in animal studies.

Experimental/calculated data:

Buehler test guinea pig:Non- sensitizing.(OECD Guideline 406)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Germ cell mutagenicity:

The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition

Carcinogenicity:

Not available.

Reproductive toxicity:

Not available.

STOT-single exposure:

Not available.

STOT-repeated exposure:

Not available.

Aspiration hazard:

Not available

Section 12: Ecological information

12.1 Toxicity:

Assessment of aquatic toxicity: There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish:

LC50(96 h)>1,000 mg/L, *Oncorhynchus mykiss*(OECD Guideline 203, 21static)

The details of the toxic effect relate to the nominal concentration.

Aquatic invertebrates:

EC50(48 h)>100 mg/l, *Daphnia magna*(OECD Guideline 202, part 1, static)

The details of the toxic effect relate to the nominal concentration.

Aquatic plants:

EC50(72 h)>100 mg/l(growth rate), *Desmodesmus subspicatus* (OECD Guideline 201, static)

The details of the toxic effect relate to the nominal concentration .

Microorganisms/Effect on activated sludge:

EC10(17h)>10, 000 mg/l, *Pseudomonas putida*(DIN 38412 Part 8, aerobic)

The details of the toxic effect relate to the nominal concentration .

EC20(30 min)>800 mg/l, activated sludge(DINENISO 8192-OECD 209-88/302/EEC,P.C, aerobic)

Chronic toxicity to fish:

No data available regarding toxicity to fish.

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d)>=100 mg/l, *Daphnia magna*(OECD

Guideline 202. part 2, semistatic)

The details of the toxic effect relate to the nominal concentration. The product has not been tested. The statement has been derived from substances /products of a similar structure or composition.

Assessment of terrestrial toxicity:

Not available.

12.2 Persistence and degradability:

Assessment biodegradation and elimination (H₂O): Readily biodegradable (according to OECD criteria).

Elimination information: 90-100% DOC reduction(21 d)((OECD 301 A(new version))(aerobic, activated sludge, domestic)

Assessment of stability in water: Not available.

12.3 Bioaccumulative potential:

Assessment bioaccumulation potential: No significant accumulation in organisms is expected as a result of the distribution coefficient of n-octanol /water(log Pow).

Bioaccumulation potential: Because of the n-octanol/water distribution coefficient (log Pow)accumulation in organisms is not to be expected.

12.4 Mobility in soil

Adsorption to solid soil phase is not expected.

12.5 Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT(persistent/ bioaccumulative/toxic) criteria or the vPvB(very persistent/very bioaccumulative) criteria. Self classification.

12.6. Other adverse effects

The substance is not listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

Section 13: Disposal considerations

13.1 Waste treatment methods:

Any disposal practice must be in compliance with all local and national laws and regulations. Do not dump into any sewers, on the ground, or into any body of water.

Section 14: Transport information

	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Airtransport (ICAO/IATA)
UN number	Not regulated	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
Transport hazard Class(es)	Not regulated	Not regulated	Not regulated	Not regulated
Packing group	Not regulated	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of Marpol and the IBC Code	Not regulated	Not regulated	Not regulated	Not regulated

Section 15: Regulatory information

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

Relevant information regarding authorization:

Not applicable.

Relevant information regarding restriction:

Not applicable.

Other EU regulations:

Not applicable.

Other National regulations:

Not applicable.

15.2 Chemical safety assessment

Not required.

Section 16: Other information

Further information

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