

SAFETY DATA SHEET according to Regulation (EC) Nr. 1907/2006 3,3'-Dimethoxybenzidine

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

# 1.1 Product identifiers

Product name	3,3´-Dimethoxybenzidine
Product Number	19000-0130-100AN5
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.

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

Identified uses specific analytics 1.3 Details of the supplier of the safety data

Details	of the	supplier	of the	safety	data s	heet

	NEOCHEMA GmbH
Company	Uwe-Zeidler-Ring 10
	55294 Bodenheim, Germany
Telephone	+49 6135-933199 0
Fax	+49 6135-933199 19

E-mail address info@neochema.com

# 1.4 Emergency telephone number

Emergency Phone # +49 6135-933199 0

This number is only reachable during office hours (Mo - Fr, 08:00 AM - 4:00 PM CET).

# SECTION 2: Hazards identification

# 2.1 Classification according to Regulation (EC) No 1272/2008

Flam. liq. (category 2), H225; Acute tox. (oral, category 4), H302; Acute tox. (dermal, category 4), H312; Acute tox. (inhalation, category 4), H332; Eye irrit. (category 2), H319;

For the full text of the H-Statements mentioned in this Section, see Section 2.2.

# Labelling according Regulation (EC) No 1272/2008

Pictogram

2.2



Danger

# Hazard statements

H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H302 + H312 + H332 Harmful if swallowed, in contact with skin or inhaled.

# **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P262 Do not get in eyes, on skin, or on clothing.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301 + 310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P302 + P350 IF ON SKIN: Wash with plenty of water.

P304 + 340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + 351 + 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P370 + P378 In case of fire: Use carbondioxid, sand or extinguishing powder to extinguish.

# Supplemental Hazard Statements (EU)

none



# 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

# **SECTION 3: Composition/information on ingredients**

# 3.1 Substances

This product is a mixture.

#### 3.2 Mixtures

Ingredient: Acetonitrile; CAS-No.: 75-05-8; EG-No.: 200-835-2; REACH-No.: 01-2119471307-38-XXXX; Clasification: H225, H302, H312, H319, H332; Flam. Liq 2; Acute Tox. 4; Acute Tox. 4; Eye Irrit. 2; Acute Tox. 4; Concentration: >= 90 - <= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

Substances listed on the 'Candidate List of Substances of Very High Concern (SVHC) for authorisation' of the European Chemical Agency (ECHA), are not intentional ingredient of this product. It is not to be expected that those substances are in quantity of >= 0,1 % in this product.

#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

#### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

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

#### In case of skin contact

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

#### In case of eye contact

Flush eyes with water as a precaution. Consult a physician.

#### If swallowed

Do NOT induce vomiting. 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 most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

**4.3 Indication of any immediate medical attention and special treatment needed** No data available

#### **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

#### Suitable extinguishing media

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

# 5.2 Special hazards arising from the substance or mixture

Carbon oxides

# 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### **SECTION 6: Accidental release measures**

# 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

#### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

# 6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing or collect with noncombustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local regulations (see section 13).

# 6.4 Reference to other sections

For disposal see section 13.

NEOCHEMA

SAFETY DATA SHEET according to Regulation (EC) Nr. 1907/2006 3,3<sup>°</sup>-Dimethoxybenzidine

# **SECTION 7: Handling and storage**

# 7.1 Precautions for safe handling

Avoid exposure. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

# 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): Flammable liquids.

# 7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

Ingredient: Acetonitrile; CAS-No.: 75-05-8; TWA: 40 ppm, 70 mg/m3; AGW: 10 ppm, 17 mg/m3

# 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. **Personal protective equipment** 

#### Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### **Body Protection**

Impervious clothing, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

# **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

# SECTION 9: Physical and chemical properties

# 9.1 Information on basic physical and chemical properties

Theses information refer to the main component and are literature values.

a) Appearance	liquid
b) Odour	aromatic
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point	-48°C
f) Initial boiling point	81 °C
g) Flash point	2 °C - closed cup
h) Evaporation rate	5,8
i) Flammability	No data available
j) Explosive limits	Lower explosion limit: 3 %(V)
	Upper explosion limit: 16 %(V)
k) Vapour pressure	98,64 hPa at 20 °C
l) Vapour density	No data available
m) Relative density	0,78 g/cm3
n) Water solubility	completely miscible
o) Partition coefficient	log Pow: -0,54 at 25 °C (n-Octanol/Water)
p) Auto-ignition temperature	524,0 °C

a) Decomposition temperature       No data available         a) Explosive properties       No data available         b) Explosive properties       No data available         c) Didding properties       No data available         c) Conter safety information       No data available         SECTION 10: Stability and reactivity       Theses information refer to the main component.         10: Reactivity       No data available         Stable under recommended storage conditions.       100 Substity of hazardous reactions         No data available       No data available         10: Chemical stability       Stable under sold storage conditions.         10: Spability of hazardous reactions       No data available         10: Conditions to avoid       Heat, finames and sparts.         10: Incompatible meterials       actds, Bass, Oxidizing agents, Alkali metals         10: Heardous decomposition products       In the event of fire: see section 5         SECTION 11: Toxicological information       111         11: Information on toxicological effects       No data available for the product.         Acte toxicity       Impredient: Actoontifie; CAS-No: 75-05-8; LD(S0) (oral, mouse): 617 mg/kg; (iterature); LD(S0) (dermal, ATE): 1100 mg/kg;         ATE-Mix (dermal): 11: Indy/L (iterature);       ATE-Mix (dermal): 11: Indy/L (iterature);         Skin corrosion/initation		NEOCHEMA)	SAFETY DATA SHEET according to Regulation (EC) Nr. 1907/2006 3,3'-Dimethoxybenzidine	page 4 of 5 version: 01 print date: 05.09.2022
I Viscosity       No data available         s) Explosive properties       No data available         92.       Other safety information No data available       No data available         92.       Other safety information reactivity       These information refer to the main component.         103.       Reactivity       No data available         104.       Chemical stability of hazardous reactions.       No data available         105.       Stabile under recommended storage conditions.       No data available         104.       Conditions to avoid Heat, frames and sparks.       No data available         105.       Incompatible materials adds, Bases, Oxiding agents, Reducing agents, Alkali metals       10.6         105.       Hooznous decomposition products       In the event of fire: see section 5         SECTION 11: Toxicological information       11.1       Information on toxicological effects         10.       No data available for the product.       Accelerability (Interature); LD(50) (dermal, ATE): 1100 mg/kg; (Ifterature); LD(50) (inhalation, ATE): 11 mg/L; (Interature);       1050) (dermal, ATE): 1100 mg/kg;         ATE-Mix (crail): 617 mg/kg       ATE-Mix (crail): 617 mg/kg;       No data available         ATE-Mix (crail): 610 mg/kg       ATE-Mix (crail): 610 mg/kg;       ATE-Mix (crail): 610 mg/kg;         ATE-Mix (crail): 610 mg/kg       ATE-Mix (inhalation); 11 mg/L;				
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<ul> <li>10.4 Conditions to avoid Heat, flames and sparks.</li> <li>10.5 Incompatible materials acids, Bases, Oxidizing agents, Reducing agents, Alkali metals</li> <li>10.6 Hazardous decomposition products In the event of fire: see section 5</li> <li>SECTION 11: Toxicological information</li> <li>11.1 Information on toxicological effects No data available for the product. Acute toxicoly Ingredient: Acetonitrile; CAS-No.: 75-05-8; LD(50) (oral, mouse): 617 mg/kg; (literature); LD(50) (dermal, ATE): 1100 mg/kg; (literature); LD(50) (inhalation, ATE): 11 mg/L; (literature);</li> <li>ATE-Mix (oral): 617mg/kg ATE-Mix (dermal): 1100mg/kg ATE-Mix (inhalation): 11mg/L</li> <li>Skin corrosion/irritation The mixture is not classified.</li> <li>Serious eye damage/eye irritation. The classification results from specific concentration limits.</li> <li>Respiratory or skin sensitisation The mixture is not classified.</li> <li>Germ cell mutagenicity The mixture is not classified.</li> <li>Specific target organ toxicity - repeated exposure The mixture is not classified.</li> <li>Specific target organ toxicity - repeated exposure The mixture is not classified.</li> <li>Specific target organ toxicity - repeated exposure The mixture is not classified.</li> <li>Specific target organ toxicity - repeated exposure The mixture is not classified.</li> <li>Specific target organ toxicity - repeated exposure The mixture is not classified.</li> <li>Specific target organ toxicity - repeated exposure The mixture is not classified.</li> <li>Specific target organ toxicity - repeated exposure The mixture is not classified.</li> <li>Specific target organ toxicity - repeated exposure The mixture is not classified.</li> <li>Specific target organ toxicity - repeated exposure The mixture is not classified.</li> <li>Specific target organ toxicity - repeated exposure The mixture is not classified.</li> <li>Specific target organ toxicity - repeated exposure The mixture is not classified.</li> <li>Specific target organ toxicity - repeated exposure</li> &lt;</ul>	10.3	Possibility of hazardous reaction	5	
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12.2 Persistence and degradability				
	12.2	Persistence and degradability		



No data available

# 12.3 Bioaccumulative potential

No data available

**12.4 Mobility in soil** No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SAFETY DATA SHEET

according to Regulation (EC) Nr. 1907/2006

3,3'-Dimethoxybenzidine

# 12.6 Other adverse effects

No data available

# **SECTION 13: Disposal considerations**

# 13.1 Waste treatment methods

# Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

# Contaminated packaging

Dispose of as unused product.

# **SECTION 14: Transport information**

14.1	UN number		
	ADR/RID: 1648	IMDG: 1648	IATA: 1648
14.2	UN proper shipping name		
	ADR/RID: ACETONITRILE		
	IMDG: ACETONITRILE		
	IATA: Acetonitrile		
14.3	Transport hazard classes		
	ADR/RID: 3	IMDG: 3	IATA: 3
14.4	Packaging group		
	ADR/RID: II	IMDG: II	IATA: II
14.5	Environmental hazards		
	ADR/RID: no	IMDG Marine pollutant: no	IATA: no
14.6	Special precautions for user		
	No data available		

# **SECTION 15: Regulatory information**

# **15.1** Safety, health and environmental regulations/legislation specific for the substance or mixture This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

# 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

# **SECTION 16: Other information**

# Further information

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# Full text of H-Statements referred to under section 3.

H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin. H319 Causes serious eye irritation. H332 Harmful if inhaled.