

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Tuschierpaste blau_Engineer's marking paste blue

Revision date: 13.02.2018

Product code: 0600

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**Restricted to professional users.
For checking the flatness of surfaces**1.3. Details of the supplier of the safety data sheet**

Company name:	Artur Gloeckler GmbH	
Street:	Poststr.6	
Place:	D-63796 Kahl am Main	
Telephone:	+49 6188 9174 0	Telefax: +49 6188 9174 20
e-mail:	info@gloeckler.com	
Contact person:	Mr Bernhard Schmitt	Telephone: +49 6188 9174 11
e-mail:	sdb@gloeckler.com	
Internet:	www.gloeckler.com	

1.4. Emergency telephone number: 0049-6188-917411 Contact times of emergency phone number: Mon-Fri 7am - 4pm**Further Information**

Voluntary product information following the Safety Data Sheet format.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Preparation of pigments and mineral oils

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
25869-00-5	Ammonium Eisen(III) hexakis(cyano-C) ferrat(IV)			5-20 %
	247-304-1		01-2119555296-32	

Full text of H and EUH statements: see section 16.

Further Information

Dangerous ingredients: none

SECTION 4: First aid measures**4.1. Description of first aid measures**



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General information

Change contaminated clothing.
Product contains intensive colourant: avoid skin and eye contact

After inhalation

No special measures are necessary.

After contact with skin

Protect skin by using skin protective cream.
After contact with skin, wash immediately with plenty of water and soap.
In case of skin irritation, consult a physician.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Do NOT induce vomiting.
Rinse mouth thoroughly with water.
Medical treatment necessary.

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

In rare cases the product can cause temporary erythema of the skin.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO₂). Hydrocyanic acid (hydrocyanic acid).
Ammonia.

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

Additional information

Fire class DIN EN 2 B: Burning liquid or melting substances.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Product contains intensive colourant: avoid skin and eye contact

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Suitable material for taking up: Water (with cleaning agent).

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage



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7.1. Precautions for safe handling

Advice on safe handling

The following must be prevented: skin contact. Eye contact.

Advice on protection against fire and explosion

Protect against: heat.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Protect against: heat.

Further information on storage conditions

Handle and open container with care.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls

Protective and hygiene measures

Product contains intensive colourant: avoid skin and eye contact

Eye/face protection

Framed glasses.

Hand protection

Hand protection: Single-use gloves.

Suitable material: NBR (Nitrile rubber). PVC (Polyvinyl chloride). CR (polychloroprenes, Chloroprene rubber).

Skin protection

working clothes

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Paste	
Colour:	blue	
Odour:	odourless	
pH-Value:		not applicable
Changes in the physical state		
Melting point:		approx. 45 °C
Initial boiling point and boiling range:		not determined
Flash point:		> 150 °C
Explosive properties		
		not applicable
Lower explosion limits:		not applicable
Upper explosion limits:		not applicable

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Oxidizing properties

not applicable

Vapour pressure:

not determined

Density:

0,85 g/cm³

Water solubility:

Immiscible

Solubility in other solvents

partially miscible

Partition coefficient:

not determined

Viscosity / dynamic:

not determined

Solvent content:

not applicable

SECTION 10: Stability and reactivity**10.1. Reactivity**

This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

The product is stable under storage at normal ambient temperatures.

10.4. Conditions to avoid

heat.

10.5. Incompatible materials

Oxidizing agents, strong.

Acid, concentrated

10.6. Hazardous decomposition products

In case of fire may be liberated: Hydrocyanic acid (hydrocyanic acid). Ammonia.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Based on available data, the classification criteria are not met.

In rare cases the product can cause temporary erythema of the skin.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No data available

Practical experience



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Other observations

In rare cases the product can cause temporary erythema of the skin.

SECTION 12: Ecological information

12.2. Persistence and degradability

Product is not easily biodegradable.

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

The product is insoluble in water and spreads on the water surface.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal number of waste from residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Waste disposal number of used product

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Waste disposal number of contaminated packaging

150105 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); composite packaging

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Other applicable information (land transport)

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

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Air transport (ICAO-TI/IATA-DGR)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

Other applicable information

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1,3,4,7,8,9,10,11,12,14,15.

Revision date: 2009-02-01 completely revised

Revision date: 2012-01-26 Section 8

Revision date: 2012-03-13 Section 9

Revision date: 2015-03-03 completely revised

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)