

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



24100 Aniline Black

Page 1

Revised edition: 13.07.2011

Version: 2.1

Printed: 01.06.2016

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Aniline Black

Article No.: 24100

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Coloring agent for dye and varnish industry.

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.de

E-Mail: info@kremer-pigmente.de

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to EC Regulation 1272/2008

This product does not require classification and labelling as hazardous according to CLP/GHS.

Classification according to EC Regulation No. 67/548 or No. 1999/45

The material is not subject to classification according to EC lists.

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

Classification according to EC Regulation 1272/2008

No classification required according to the CLP/GHS guidelines.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

Composition/Information on Ingredients

next page: 2

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



24100 Aniline Black

Page 2

Revised edition: 13.07.2011

Version: 2.1

Printed: 01.06.2016

3.

3.1. Substance

3.2. Mixture

Chemical Characterization: Pigment Black 1, C.I. 50440

Hazardous Ingredients:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Remove contaminated clothes.

After inhalation:

Supply fresh air. Consult physician if symptoms persist.

After skin contact:

Remove contaminated clothing immediately. Wash off immediately with plenty of water and soap.

After eye contact:

Rinse open eyes with plenty of water for at least 15 minutes.

After ingestion:

Rinse mouth with water and drink plenty of water.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

None known.

Effects:

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Extinguishing powder, foam.

Unsuitable extinguishing media:

Carbon dioxide (CO₂)

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: hazardous vapors may be released. Development of fumes/aerosol.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

next page: 3

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



24100 Aniline Black

Page 3

Revised edition: 13.07.2011

Version: 2.1

Printed: 01.06.2016

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid formation of dust, wear protective clothing.

6.2. Environmental Precautions

Environmental precautions:

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

*Clean up with suitable appliance and dispose adequately.
Contain with dust binding material and dispose accordingly.
Avoid dust formation.*

6.4. Reference to other Sections

*See Section 13 for information on disposal.
Protective clothing, see Section 8.*

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Respiratory protection when handling without exhaust system.

Hygienic measures:

Keep away from foodstuffs and drinks.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry and cool room.

Requirements for storage areas and containers:

Information on fire and explosion protection:

*Avoid dust formation.
Do not store together with: foodstuffs and animal feed.
Take measures to prevent electrostatic discharge.*

Storage class (VCI):

Further Information:

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

next page: 4

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



24100 Aniline Black

Page 4

Revised edition: 13.07.2011

Version: 2.1

Printed: 01.06.2016

TRGS 900

Chrom-III-oxide (based on Cr), CAS 1308-38-9), TWA: 2 mg/m³
(inhalable dust fraction)

Peak limit category 1

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation in case of dust formation.

Personal Protection

General protective measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Protective clothing recommended due to the coloring effects of the product.

Respiratory protection:

Suitable respiratory protection for lower concentration or short-term effect: particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, type P2 or FFP2).

Hand protection:

Chemical protective gloves (EN 374 (Europe), F739 (US)).

The manufacturer's directions for use should be observed because of the great diversity of types.

Protective glove material:

Nitrile rubber (480 min, 0.4 mm)

Chloroprene rubber (> 480 min, 0.5 mm)

Polyvinyl chloride (> 480 min, 0.7 mm)

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Environmental precautions:

No special measures required.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder

Color: black

Odor: odorless

Odor threshold:

No information available.

next page: 5

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



24100 Aniline Black

Page 5

Revised edition: 13.07.2011

Version: 2.1

Printed: 01.06.2016

<i>pH-Value:</i>	4 - 7
<i>Melting temperature:</i>	not determined
<i>Boiling temperature:</i>	not applicable
<i>Flash point:</i>	not applicable
<i>Evaporation rate:</i>	not applicable
<i>Flammability (solid, gas):</i>	not easily flammable
<i>Upper explosion limit:</i>	not determined
<i>Lower explosion limit:</i>	not determined
<i>Vapor pressure:</i>	not determined
<i>Vapor density:</i>	No information available.
<i>Density:</i>	1.91 g/cm ³ (20°C)
<i>Solubility in water:</i>	insoluble
<i>Coefficient of variation (n-Octanol/Water):</i>	not applicable
<i>Auto-ignition temperature:</i>	208°C
<i>Decomposition temperature:</i>	90°C, 60 J/g (DTA) 260°C, 240 J/g (DTA)
<i>Viscosity, dynamic:</i>	not applicable
<i>Explosive properties:</i>	Product does not present an explosion hazard.
<i>Oxidizing properties:</i>	
<i>Bulk density:</i>	ca. 333 kg/m ³

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

next page: 6

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



24100 Aniline Black

Page 6

Revised edition: 13.07.2011

Version: 2.1

Printed: 01.06.2016

Particle size:

Other information:

Deflagration: < 0.35 mm/s (57°C)

10. Stability and Reactivity

10.1. Reactivity

No decomposition if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Risk of dust explosion.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid formation of dust.

Avoid ignition sources.

Heating.

Thermal decomposition:

10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

None if stored and handled according to specifications.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral: > 5000 mg/kg (rat)

LD50, dermal: > 2500 mg/kg (rat)

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

Non irritating (rabbit; OECD 404)

Irritant effect on eyes:

Non-irritating to eyes (rabbit; OECD 405)

Inhalation:

No irritant effect known.

Ingestion:

No irritant effect known.

Sensitization:

No information available.

Mutagenicity:

next page: 7

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



24100 Aniline Black

Page 7

Revised edition: 13.07.2011

Version: 2.1

Printed: 01.06.2016

No mutagenic effects observed.

Reproductive toxicity:

No data available.

Cancerogenity:

No data available.

Teratogenicity:

Not considered to be teratogenic.

Specific target organ toxicity (STOT):

No data available.

Additional toxicological information:

Aspiration hazard: not applicable

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

No data available.

Daphnia toxicity:

EC50: > 100 mg/l (48h, Daphnia magna; OECD 202)

Bacteria toxicity:

EC20: > 1000 mg/l (0.5h, active sludge; OECD 209)

Algae toxicity:

No information available.

12.2. Persistency and Degradability

Can be eliminated from water by chemical adsorption.

12.3. Bioaccumulation

Due to its low solubility the product may be removed from water mechanically in suitable effluent treatment plants.

12.4. Mobility

No data available.

12.5. Results of PBT- und vPvP Assessment

This product is neither a PBT or vPvB substance nor does it contain a PBT or vPvB substance.

12.6. Other Adverse Effects

Water hazard class:

*Do not let run into surface waters, waste water or soil.
1, slightly hazardous*

Behaviour in sewage systems:

No impairment of the biodegradability of active sludge expected when small amounts are discharged in biological sewage plants.

Further ecological effects:

*The product contains 20 W/W% chromium.
The product contains heavy metals. The local waste-water limit values are to be considered for the mentioned heavy metals.*

next page: 8

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



24100 Aniline Black

Page 8

Revised edition: 13.07.2011

Version: 2.1

Printed: 01.06.2016

AOX Value:

Product does not contain any organically bound halogen.

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

In accordance with current regulations, product may be taken to a waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

European Waste Code (EWC):

Uncleaned packaging:

Uncontaminated packaging may be recycled.

Packaging may be disposed of in the same manner as the product.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA 3313

14.2. UN Proper Shipping Name

ADR/RID: SELBSTERHITZUNGSFÄHIGE ORGANISCHE PIGMENTE (enthält Anilinschwarz)

IMDG/IATA: ORGANIC PIGMENTS, SELF-HEATING (contains Aniline Black)

14.3. Transport Hazard Classes

ADR Class: 4.2

Hazard no.: 4.2

Classification code: S2

Tunnel no.: E

IMDG Class (sea): 4.2

Hazard no.: 4.2

EmS No.: F-A, S-J

IATA Class: 4.2

Hazard no.: 4.2

14.4. Packaging Group

ADR/RID: III

IMDG: III

IATA: III

14.5. Environmental Hazards

Labelled with "P" according 2.10 IMDG: no

14.6. Special Precautions for User

not applicable

next page: 9

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



24100 Aniline Black

Page 9

Revised edition: 13.07.2011

Version: 2.1

Printed: 01.06.2016

14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

14. 8. Further Information

No hazardous goods (classification 4.2) in containers smaller than 3000 liters.

15. Regulatory Information

15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

5.2.1. Total dust, including fine dust.

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment has not yet been carried out for this product.

15. 3. Further Information

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.