

safety data sheet

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

94050 Nigrosin



Revised edition: 07.05.2019

Version: 1.0

Print date: 02.07.2019

1st <small>January 1st</small>	Identification of the substance or mixture and of the company product identifier
	Trade name: Nigrosin
	Article number: 94050
1. 2.	Relevant identified uses of the substance or mixture and uses advised against Use: colorants for industrial applications
	Recommended restrictions of Application:
<small>March 1st</small>	Details of the supplier providing the safety data sheet (manufacturer/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.com E-mail: info@kremer-pigmente.com Importer: --
<small>April 1st</small>	emergency numbers Emergency numbers: +49 7565 914480 (Mon-Fri 8:00 - 17:00)
1. 4. 2	Poison Control Center:
<hr/>	
2nd <small>January 2nd</small>	Potential dangers Classification of the substance/mixture Classification according to Regulation (EC) No 1272/2008 Not classified as hazardous according to GHS/CLP guidelines. Possible effects on the environment:
2. 2.	labeling elements Classification according to Regulation (EC) No 1272/2008 The product does not require classification according to GHS criteria. Hazard symbols: Not applicable. Signal word: Hazard warnings: Safety instructions: Hazardous component(s) for labelling:
2. 3.	Other hazards Dusts can form an explosive mixture with air. Handling or processing this material may generate dust which may cause mechanical irritation to the eyes,

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skin, nose and throat.

3. Composition / Information on the ingredients

January 3rd
fabrics

3. 2. mixtures

Chemical characterization:

Preparation of azine dye and azo dye (CI Acid Black 2)

Information on ingredients / Dangerous ingredients:

Hydrochloric acid, reaction products with aniline and nitrobenzene, sulfonated, sodium salts; REACH Reg. No. 01-2119970304-40

100%

CAS No: 90411-76-0

EINECS No: 291-454-0

EC-No:

Additional information:

4th first aid measures

January 4th
Description of first aid measures

General information:

If symptoms persist, consult a doctor.

After inhalation:

Remove person to fresh air. If symptoms persist, consult a doctor.

If combustion products are inhaled, symptoms may be delayed. The affected person may need to remain under medical observation for 48 hours.

After skin contact:

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

After eye contact:

Rinse eyes with plenty of water while holding eyelids open. If necessary, consult an ophthalmologist.

After ingestion:

Rinse mouth with plenty of water. If swallowed, do not induce vomiting. Seek medical advice immediately.

February 4th
Most important symptoms and effects, both acute and delayed

Symptoms:

No further information available.

Effects:

March 4th
Indication of any immediate medical attention or special treatment needed

Treatment:

No further information available.

5th fire-fighting measures

January 5th
extinguishing agent

Suitable extinguishing agents:

Foam, carbon dioxide (CO₂), dry extinguishing agent, water mist.

Unsuitable extinguishing agents:

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water spray jet.

February 5th **Special hazards arising from the substance or mixture**

Special dangers when

Firefighting:

Dust can form explosive mixtures with air.

In case of fire the following can be released: carbon oxides, nitrogen oxides, sulfur oxides, halogenated compounds, metal oxide/oxides.

March 5th **Firefighting Instructions**

Special protective equipment for the

Firefighting:

Firefighters should wear appropriate protective clothing and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

Further information:

6th measures in case of accidental release

January 6th **Personal precautions, protective equipment and emergency procedures**

Personal Precautions:

Use personal protective clothing.

February 6th **environmental protection measures**

Environmental protection measures:

Avoid contamination of soil, sewers and waterways.

March 6th **Methods and materials for containment and cleaning**

Methods and materials for containment and cleaning:

Collect mechanically. Collect in suitable containers for recovery or disposal.

April 6th **reference to other sections**

For personal protective equipment, see section 8.

Dispose of contaminated material as waste according to section 13.

7th handling and storage

January 7th **Protective measures for safe handling**

Instructions for safe handling:

Wear appropriate protective equipment (see 8).

Avoid dust generation. Do not breathe dust.

Hygiene measures:

Keep away from food and drinks. Do not eat, drink or smoke while working. Wash hands before breaks and at the end of work.

Change contaminated clothing. Preventive skin protection recommended. Wash hands after finishing work.

February 7th **Conditions for safe storage, taking into account any incompatibilities**

Storage conditions:

Store container in a dry, cool place.

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Protect product from direct sunlight.
Keep product away from sources of ignition and open flames.

Requirements for storage rooms and Container:

Store product in original container.
Do not store product in unlabeled containers.

Information on fire and Explosion protection:

Store separately from: food and animal feed.
Store separately from: oxidizing agents.
Avoid dust formation.
Take measures against electrostatic charges.
Take measures against electrostatic charging during transfer.

Storage class:

11; Combustible solids (TRGS 510)

More information:

March 7th **Specific end use**

More information:

8th Exposure controls / Personal protective equipment

January 8th **Parameters to be monitored**

Parameters to be monitored (DE):
none known

Parameters to be monitored:

Derived exposure level without Impairment (DNEL):
97.95 mg/m3 (Worker, Inhalation, Long-term exposure - systemic effects)
195.9 mg/m3 (Worker, Inhalation, Short-term exposure - systemic effects)
13.9 mg/kg KW/day (worker, skin contact, long-term Exposure - Systemic Effects)
27.8 mg/m3 KW/D (workers, skin contact, short-term Exposure - Systemic Effects)
29 mg/m3 (Consumer, Inhalation, Long-term exposure - systemic effects)
58 mg/m3 (Consumer, Inhalation, Short-term exposure - systemic effects)
8.33 mg/m3 KW/D (consumer, skin contact/ingestion, Long-term exposure - systemic effects)
16.7 mg/m3 KW/D (Consumer, skin contact/ingestion, short-term exposure - systemic effects)

Estimated no-effect concentration (PNEC):

Additional information:

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February 8th

and monitoring of exposure

Technical protective measures:

Ensure good room ventilation.

Personal protective equipment

General Protection and Hygiene measures:

Do not breathe dust. Keep away from food, drinks and animal feed. Do not eat, drink or smoke while working. Wash hands before breaks and at the end of work.

Remove contaminated clothing immediately.

Respiratory protection:

When dust occurs.

Hand protection:

protective gloves

Glove material:

Polychloroprene (CR) (< 60 min)

Polyvinyl chloride (PVC) (< 60 min)

Nitrile rubber (NBR) (< 60 min)

If product is contaminated, change gloves immediately and dispose of them properly.

Eye protection:

safety goggles (EN 166)

Body protection:

protective work clothing

Limiting and monitoring the Environmental exposure:

Avoid penetration into soil, waterways and sewage systems.

9th

Physical and chemical properties

January 9th

Information on basic physical and chemical properties

Form: firmly

Color: black

Odor: odorless

Odor threshold: No data available.

PH value: 7 - 12 (10%)

Melting point/freezing point: not available

Boiling point/boiling range: not available

Flash point: not applicable

Evaporation rate:

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No data available.

Flammability (solid, gaseous):

not available

Upper explosion limit:

No information available

Lower explosion limit:

No information available.

vapor pressure:

< 0.0001 hPa (20°C)

Relative vapor density:

No data available.

Density:

Solubility in water:

> 143 g/l (20°C; OECD 105)

Distribution coefficient: n-
Octanol/water:

< -4.9 logPOW (calc.)

Autoignition temperature:

No information available.

Decomposition temperature:

310°C (590°F)

Viscosity, dynamic:

not applicable

Explosive properties:

Risk of dust explosion.

Oxidizing properties:

No data available.

Bulk density:

383 kg/m³

February 9th

Other Information

Solubility in solvents:

viscosity, kinematic

Burning number:

Solvent content:

Solid content:

Grain size:

Other Information:

10th

stability and reactivity

January 10th

reactivity

No data available.

February 10th

Chemical stability

Stable when stored and handled properly.

March 10th

possibility of dangerous reactions

Dust can form explosive mixtures with air.

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April 10th	Conditions to avoid	
	Conditions to avoid:	Avoid dust formation.
	Thermal decomposition:	
May 10th	Incompatible materials	oxidizing agent.
June 10th	Dangerous decomposition products	None if stored and handled as directed.
July 10th	More information	
11th	Toxicological information	
January 11th	Information on toxicological effects	Hydrochloric acid, reaction products with aniline and nitrobenzene, sulfonated, sodium salts:
	Acute toxicity	
	LD50, oral:	> 5000 mg/kg (rat, female; OECD 401)
	LD50, dermal:	> 2000 mg/kg (rat, m/f; OECD 402)
	LC50, inhalation:	> 5 mg/l (4h)
	Primary irritant effect	
	On the skin:	Irritant effect: Non-irritating.
	On the eye:	Irritation: Non-irritating
	Inhalation:	No data available.
	Swallow:	No data available
	Sensitization:	Non-sensitizing (OECD 429, Mouse Local Lymph Node assay (LLNA))
	Mutagenicity:	In vitro Bacterial Reverse Mutation Test (OECD 471): negative In vitro Mammalian Cell Gene Mutation Test (OECD 476): negative Genotoxicity in vivo: Micronucleus negative (OECD 487)
	Reproductive toxicity:	No data available.
	Carcinogenicity:	No negative effects.
	Teratogenicity:	
	Specific target organ toxicity (STOT):	

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 Single exposure: no data available.

Repeated exposure: NOAEL (Oral): 1000 mg/kg (30d, Dose: 100 - 300 - 1000 mg/kg, Rat (m/f); OECD 407)

Additional toxicological information:

 Inhalation: Repeated or prolonged inhalation of dust may cause chronic respiratory irritation.

 12th Environmental information
 toxicity

January 12th

Hydrochloric acid, reaction products with aniline and nitrobenzene, sulfonated, sodium salts:

Fish toxicity:

LC50: > 100 mg/l (96h, Danio rerio; OECD 203)

Daphnia toxicity:

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

Bacterial toxicity:

EC50: > 1000 mg/l (3h; activated sludge; OECD 209)

Algae toxicity:

ErC50: > 100 mg/l (72h, Pseudokirchneriella subspicatus; OECD 201)

NOEC: 3.4 mg/l (72h, Desmodismus subspicatus; OECD 201)

February 12th persistence and degradability

Not readily biodegradable (30%, 28d; OECD 302B)

March 12th bioaccumulation potential

logPOW: < -4.9 (The product has a low bioaccumulation potential)

April 12th mobility in the soil

Not determined.

May 12th Results of the PBT and vPvP assessment

The product is neither a PBT or vPvB substance nor does it contain PBT or vPvB substances in concentrations greater than 0.1%.

June 12th Other adverse effects

Water hazard class:

WGK 2 (list classification): hazardous to water.

Behavior in sewage treatment plants:

Further information on ecology:

The product does not contain any heavy metals in concentrations relevant to wastewater, does not contain any releasable nitrogen that can contribute to eutrophication, and does not contain any phosphates or organophosphorus compounds.

AOX note:

 The product does not contain any organically bound halogens that contribute to the AOX value in wastewater.

13th Disposal instructions

January 13th

waste treatment processes

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Product:

If further use or recycling is not possible, disposal must be carried out in accordance with the locally applicable ordinances and regulations, e.g. by incineration in a suitable facility.

Waste code number:

Any waste generated is disposed of in accordance with the European Waste Code. Waste Catalogue (EWC) according to waste type and sector.

Uncleaned packaging:

Contaminated packaging must be disposed of in the same way as the substance.

Waste code number:

14th transport information

January 14th UN number

ADR, IMDG, IATA

February 14th UN Proper Shipping Name

ADR/RID:

Not a dangerous good according to ADR.

IMDG/IATA:

Not a dangerous good according to IMDG.

March 14th transport hazard classes

ADR class:

not applicable

Danger label:**Classification code:****Tunnel restriction code:****IMDG class:****Danger label:****EmS No.:****IATA class:**

not applicable

Danger label:

April 14th packaging group

ADR/RID:

not applicable

IMDG:**IATA:**

May 14th environmental hazards

No

June 14th Special precautions for the user

Not a hazardous substance within the meaning of transport regulations.

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July 14th	bulk according to Annex II of MARPOL 78/78 and the IBC Code not applicable
August 14th	Other Information Keep separate from food and beverages.
15th	legislation
January 15th	Safety, health and environmental regulations/legislation specific for the substance or mixture Water hazard class: WGK 2; hazardous to water (AwSV) Major Accident Ordinance: Seveso III Directive: Directive 2012/18/EU does not apply. Notes on Employment restriction: Restrictions/prohibitions on use: EU. REACH, Annex XVII, Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles: Not applicable Technical Instructions Air: February 15th chemical safety assessment A chemical safety assessment has been carried out for this substance. March 15th Other regulations EU. REACH, Annex XIV, Candidate List of Substances of Very High Concern: not regulated/not applicable Regulation (EC) No 850/2004 - Persistent organic pollutants and amending Directive 79/117/EEC: not regulated / not applicable Regulation (EC) No 1005/2009 - Substances that deplete the ozone layer: not regulated / not applicable Regulation (EC) No 649/2012 concerning the export and import of dangerous chemicals: Diphenylamine Council Regulation (EC) 111/2005 laying down rules for monitoring trade in drug precursors between the Community and third countries: not prohibited and/or restricted
16th	Other Information The above information, which corresponds to our current state of knowledge and experience, describes our product with regard to possible safety requirements and for labeling in accordance with the applicable legislation, but does not constitute any guarantee of properties or descriptions of quality.