

SAFETY DATA SHEET

According to directive 1907/2006/EC, 2015/830

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Version 6.0

Revision date: 01-08-2016

Print date: 23-2-2022

Trade name: Resin pigments (Black)

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

1.1 Product identification:

Product name: Resin pigments (Black)

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

Usage: Pigment for resins.

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet

Responsible distributor: ASSYST bvba / A.S.O.W. bvba
Hellegatstraat 13a
2590 Berlaar
Belgium
Tel: +32 495 50 61 14 / +32 496 83 70 27
Website: www.assyst.org / www.artsuppliesonweb.com
Email: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency telephone number:

For Belgium:

Call the **Poison Control Center (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.

NHS 24 Direct

For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to Directive (EC) No 1272/2008 and its amendments.

Physical hazards:

Not Classified

Health hazards:

Not Classified

Environmental hazards:

Aquatic Chronic 3 - H412

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]: Not applicable.

Hazard statements:

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P273 Avoid release to the environment.

P501 Dispose of contents/ container in accordance with national regulations.

Supplemental label information:

STIR WELL BEFORE USE

STORE AT ROOM TEMPERATURE

2.3 Other hazards:

This product does not contain any substances classified as PBT or vPvB.

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SECTION 3: Composition and information on ingredients

3.2 Mixtures:

Chemical Name	CAS number EC number REACH registration number	Weight %	Classification
Fatty Acid Ester	- - -	60-100%	Aquatic Chronic 3 - H412
Carbon Black	1333-86-4 215-609-9 -	10-30%	Not Classified
Ammonium Salts	398475-96-2 244-751-4 -	<1%	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 M factor (Acute) = 1 M factor (Chronic) = 1

The Full Text for all H-Phrases are Displayed in Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:

General information:

If in doubt, get medical attention promptly.

Show this Safety Data Sheet to the medical personnel.

Inhalation:

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Loosen tight clothing such as collar, tie or belt.

Get medical attention if any discomfort continues.

Ingestion:

Rinse mouth thoroughly with water.

Get medical advice/attention if you feel unwell.

Do not induce vomiting unless under the direction of medical personnel.

Skin contact:

Rinse with water.

Eye contact:

Rinse with water.

Get medical attention if any discomfort continues.

Protection of first aiders:

First aid personnel should wear appropriate protective equipment during any rescue.

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

General information:

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation:

No specific symptoms known.

Ingestion:

No specific symptoms known.

Skin contact:

No specific symptoms known.

Eye contact:

No specific symptoms known.

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

Notes for the doctor:

Treat symptomatically.

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SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

The product is not flammable.

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media:

Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards:

Containers can burst violently or explode when heated, due to excessive pressure build-up.

Hazardous combustion:

Thermal decomposition or combustion products may include the following substances:

Harmful gases or vapours.

5.3 Advice for firefighters:

Protective actions during firefighting:

Avoid breathing fire gases or vapours.

Evacuate area.

Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

Cool containers exposed to flames with water until well after the fire is out.

If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak.

Avoid discharge to the aquatic environment.

Control run-off water by containing and keeping it out of sewers and watercourses.

If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for fire-fighters:

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves)

will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures for the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

Personal precautions:

Wear protective clothing as described in Section 8 of this safety data sheet.

No action shall be taken without appropriate training or involving any personal risk.

6.2 Environmental precautions:

Environmental precautions:

Avoid discharge into drains or watercourses or onto the ground.

Avoid discharge to the aquatic environment.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up:

Wear protective clothing as described in Section 8 of this safety data sheet.

Clear up spills immediately and dispose of waste safely.

Small Spillages: Collect spillage.

Large Spillages: Absorb spillage with non-combustible, absorbent material.

The contaminated absorbent may pose the same hazard as the spilled material.

Collect and place in suitable waste disposal containers and seal securely.

Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

Flush contaminated area with plenty of water.

Wash thoroughly after dealing with a spillage.

Dangerous for the environment.

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Do not empty into drains.
For waste disposal, see Section 13.

6.4 Reference to other sections:

Reference to other sections:

For personal protection, see Section 8.
See Section 11 for additional information on health hazards.
See Section 12 for additional information on ecological hazards.
For waste disposal, see Section 13.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling

Usage precautions:

Read and follow manufacturer's recommendations.
Wear protective clothing as described in Section 8 of this safety data sheet.
Keep away from food, drink and animal feeding stuffs.
Handle all packages and containers carefully to minimise spills.
Keep container tightly sealed when not in use.
Avoid the formation of mists.
Avoid discharge to the aquatic environment.

Advice on general:

Wash promptly if skin becomes contaminated.
Take off contaminated clothing.
Wash occupational hygiene contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions:

Keep only in the original container.
Keep container tightly closed, in a cool, well ventilated place.
Keep containers upright.
Protect containers from damage.

Storage class:

Miscellaneous hazardous material storage.

7.3 Specific end use:

Specific end use(s):

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

Carbon Black

Long-term exposure limit (8-hour TWA): WEL 3.5 mg/m³ dust.

Short-term exposure limit (15-minute): WEL 7.0 mg/m³ dust.

WEL = Workplace Exposure Limit

Fatty Acid Ester

DNEL

Consumer - Oral; Short term systemic effects: 80 mg/kg
Consumer - Inhalation; Short term systemic effects: 8.7 mg/cm²
Consumer - Dermal; Short term systemic effects: 80 mg/kg
Consumer - Oral; Long term systemic effects: 5 mg/kg
Consumer - Inhalation; Long term systemic effects: 8.69 mg/m³
Consumer - Dermal; Long term systemic effects: 0.22 mg/kg
Workers - Inhalation; Short term systemic effects: 35.08 mg/m³
Workers - Dermal; Short term systemic effects: 170 mg/kg
Workers - Inhalation; Long term systemic effects: 8.8 mg/m³

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Workers - Dermal; Long term systemic effects: 10 mg/kg

PNEC

Soil; 1 mg/kg

Fresh water; 0.0037 mg/l

Marine water; 0.00037 mg/l

Sediment (Freshwater); 1.49 mg/kg

Intermittent release; 0.037 mg/l

Sediment (Marinewater); 0.149 mg/kg

STP; 10 mg/l

8.2 Exposure controls:

Appropriate Engineering Controls:

Provide adequate ventilation.

Observe any occupational exposure limits for the product or controls ingredients.

Individual protection measures, such as personal protective equipment:

Eye/face protection:

Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand Protection:

No specific hand protection recommended.

Avoid contact with skin.

Other skin and body protection:

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures:

Wash hands thoroughly after handling.

Wash at the end of each work shift and before eating, smoking and using the toilet.

Do not eat, drink or smoke when using this product.

Respiratory protection:

Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked.

Check that the respirator fits tightly and the filter is changed regularly.

Gas and combination filter cartridges should comply with European Standard EN14387.

Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136.

Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

Environmental exposure controls:

Keep container tightly sealed when not in use.

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Liquid.
Colour:	Black.
Odour:	Characteristic.
Odour threshold:	No information available.
pH:	No information available.
Melting point:	No information available.
Initial boiling point and range:	232°C @ 7 hPa
Flash point:	192°C CC (Closed cup).
Evaporation rate:	No information available.
Evaporation factor:	No information available.

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Flammability (solid, gas):	No information available.
Upper/lower flammability or explosive limits:	No information available.
Other flammability:	No information available.
Vapour pressure:	No information available.
Vapour density:	No information available.
Relative density:	1.139 kg/l
Bulk density:	No information available.
Solubility(ies):	Slightly soluble in water.
Partition coefficient:	log Pow: 3.9 @ 20°C
Auto-ignition temperature:	>400°C
Decomposition Temperature:	No information available.
Viscosity:	No information available.
Explosive properties:	No information available.
Explosive under the influence of a flame:	Not considered to be explosive.
Oxidising properties:	Not available.
Comments:	Information given is applicable to the product as supplied.

9.2. Other information

Volatile organic compound: This product contains a maximum VOC content of 0 %.

SECTION 10: Stability and reactivity

10.1 Reactivity:

Reactivity:

There are no known reactivity hazards associated with this product.

10.2 Chemical Stability:

Stability:

Stable at normal ambient temperatures and when used as recommended.

Stable under the prescribed storage conditions.

10.3 Potentially hazardous reactions:

Possibility of hazardous reactions:

No potentially hazardous reactions known.

10.4 Conditions to avoid

Conditions to avoid:

There are no known conditions that are likely to result in a hazardous situation.

10.5 Chemically Interacting Materials:

Materials to avoid:

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6 Hazardous decomposition products:

Hazardous decomposition:

Does not decompose when used and stored as recommended.

Thermal decomposition or products combustion products may include the following substances:

Harmful gases or vapours.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Toxicological effects:

Not regarded as a health hazard under current legislation.

Acute toxicity - oral

Based on available data the classification criteria are not met.

Notes (oral LD₅₀)

Fatty Acid Ester

Acute toxicity oral (LD₅₀ mg/kg): 3,914.0

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Species: Rat

ATE oral (mg/kg): 3,914.0

Acute toxicity - dermal

Based on available data the classification criteria are not met.

Notes (dermal LD₅₀)

Acute toxicity - inhalation

Based on available data the classification criteria are not met.

Notes (inhalation LC₅₀)

Skin corrosion/irritation

Animal data:

Based on available data the classification criteria are not met.

Ammonium Salts:

Animal data: Irritating

Serious eye damage/eye irritation

Based on available data the classification criteria are not met.

Ammonium Salts:

Causes serious eye irritation.

Respiratory tract/skin sensitisation

Based on available data the classification criteria are not met.

Mutagenicity in germ cells

Genotoxicity - in vitro :

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

IARC carcinogenicity:

None of the ingredients are listed or exempt.

Toxicity for reproduction

Reproductive toxicity – fertility:

Based on available data the classification criteria are not met.

Reproductive toxicity development:

Based on available data the classification criteria are not met.

STOT on single exposure

Not classified as a specific target organ toxicant after a single exposure.

STOT on repeated exposure

Not classified as a specific target organ toxicant after repeated exposure.

Danger by inhalation

Based on available data the classification criteria are not met.

Carbon Black:

Not relevant. Solid.

Specific target organ toxicity - repeated exposure

General information:

No specific health hazards known.

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation:

No specific symptoms known.

Spray/mists may cause respiratory tract irritation.

Ingestion:

No specific symptoms known.

May cause discomfort if swallowed.

Skin contact:

No specific symptoms known.

May cause discomfort.

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Eye contact:

No specific symptoms known.
May be slightly irritating to eyes.

Route of entry:

Ingestion
Inhalation
Skin and/or eye contact

Target organs:

No specific target organs known.

SECTION 12: Ecological information

Ecotoxicity:

Carbon Black

Not regarded as dangerous for the environment.
However, large or frequent spills may have hazardous effects on the environment.

12.1 Toxicity:

Aquatic toxicity:

Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.
Ecological information on ingredients.

Fatty Acid Ester

Toxicity

Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

Acute toxicity - fish

LC₅₀, : 3.7 mg/l, Fish

Acute toxicity - aquatic invertebrates

EC₅₀, : 19.3 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC₅₀, : 4.9 mg/l, Algae

Carbon Black

Toxicity

Based on available data the classification criteria are not met.

Ammonium Salts

Toxicity

Acute aquatic toxicity

Aquatic Acute 1 - H400 Very toxic to aquatic life.

Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.

LE(C)₅₀

0.1 < L(E)C₅₀ ≤ 1

M factor (Acute): 1

Acute toxicity - aquatic plants

Chronic aquatic toxicity

EC₅₀, : 0.47 mg/l, Algae

M factor (Chronic): 1

12.2 Persistence and Degradability:

Persistence and degradability:

The degradability of the product is not known.

Ecological information on ingredients.

Fatty Acid Ester

Persistence and degradability

The degradability of the product is not known.

Carbon Black

Persistence and degradability

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The degradability of the product is not known.

Ammonium Salts

Persistence and degradability

The degradability of the product is not known.

12.3 Bioaccumulation:

Bioaccumulative potential:

No data available on bioaccumulation.

Partition coefficient:

log Pow: 3.9 @ 20°C

Ecological information on ingredients.

Fatty Acid Ester

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

log Pow: 3.9 @ 20 degC

Carbon Black

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

No information available.

Ammonium Salts

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

No information available.

12.4 Mobility in Soil:

Mobility:

No data available.

12.5 Results of PBT and vPvB assessment

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other Harmful Effects:

None known.

SECTION 13: Instructions for disposal

13.1 Waste treatment methods:

General information:

The generation of waste should be minimised or avoided wherever possible.

Reuse or recycle products wherever possible.

This material and its container must be disposed of in a safe way.

When handling waste, the safety precautions applying to handling of the product should be considered.

Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out.

Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods:

Dispose of waste via a licensed waste disposal contractor.

SECTION 14: Information relating to carriage

14.1 UN number

The transport of this substance is not subject to regulations.

14.2 Proper load name according to UN Model Regulations

The transport of this substance is not subject to regulations.

14.3 Transport hazard class(es)

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The transport of this substance is not subject to regulations.

14.4 Packing group

The transport of this substance is not subject to regulations.

14.5 Environmental hazards

The transport of this substance is not subject to regulations.

14.6 Special precautions for the user

The transport of this substance is not subject to regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

UN Model Regulation:

Not applicable

SECTION 15: Legally required information

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture

National regulations:

- Health and Safety at Work etc. Act 1974 (as amended).
- The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
- The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
- EH40/2005 Workplace exposure limits.

EU legislation:

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
- Commission Regulation (EU) No 453/2010 of 20 May 2010.
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
- Dangerous Preparations Directive 1999/45/EC.
- Dangerous Substances Directive 67/548/EEC.

15.2 Chemical safety assessment:

No chemical safety assessment has been carried out.

SECTION 16: Other information

Items in which relevant changes have been made from the previous version are marked in the main body of this document with a vertical line.

Full text of the H statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Acute: (Acute) Short-term aquatic hazard.
Aquatic Chronic: (Chronic) Aquatic long-term hazard.

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways;
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement); AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Materials Testing Association;
bw - Body Weight; CLP - Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - Standard of the German Institute for Standardization;

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DSL - List of Indoor Substances (Canada); ECHA - European Chemicals Agency; EC-Number - EINECS number; ECx - Concentration associated with x% response; ELx - Charge capacity associated with x% response; EmS - Emergency schedule; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - Association for International Air Transport; IBC - IMO International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Half-Maximum Inhibitory Concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory List of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korean Inventory of Existing Chemicals; LC50 - Lethal concentration for 50% of a test population; LD50 - Lethal dose for 50% of a test population (lethal dose median); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not otherwise specified; NO(A)EC - No observable (negative) effect on concentration; NO(A)EL - No observable (negative) effect on Level; NOELR - No observable effect on cargo capacity; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development OECD; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Difficult to degrade, bioaccumulative and toxic substance; PICCS - Philippine Inventory of Chemicals and Chemicals; (Q)SAR - (Quantitative) structure-activity relationships; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); RID - Regulations concerning the International Carriage of Dangerous Goods by Rail (RID); SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwanese Inventory of Chemical Substances; TECI - Inventory of Chemical Substances Existing in Thailand; TRGS - Technical Regulation on Hazardous Substances; TSCA - Toxic Substances Control Act (USA); UN - United Nations; vPvB - Very Difficult to Degrade and Very Bioaccumulative

Further information

Training Recommendations:

Provide proper information, instruction and training for users.

Classification of the preparation:

Classification procedure:

Aquatic Chronic 3

H412

Calculation method.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge at the date of issue and is not to be considered a quality assurance or guarantee.