

**Safety data sheet**  
**according to 1907/2006/EC, Article 31 / Regulation (EU) 2020/878**

Printing date 03 January 2024

Version number 19 (replaces version 18)

Revision: 18 December 2023

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

- **1.1 Product identifier**
- **Trade name: 49MGA5250 MGA NATURA BLACK**
- **MSDS no.** 347,844
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use** SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Application of the substance / the mixture** Printing inks
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
HuberGroup UK LTD.  
Unit D4, Linkmel Close  
Queens Drive Industrial Estate  
Nottingham  
NG2 1NA  
Phone: +44-(0)1 15-986 04 77  
Fax: +44-(0)1 15-986 26 81
- **Informing department:**  
Product Safety Department:  
Phone: +44-(0)1 15-986 04 77  
Fax: +44-(0)1 15-986 26 81  
E-Mail : sds@hubergroup.com
- **1.4 Emergency telephone number:** Mo - Fr 24 h

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified, according to the GB CLP(EC-GHS) and GHS regulation.
- **2.2 Label elements**
- **Additional information:**  
Contains 2-tert-Butylhydroquinone. May produce an allergic reaction.  
Safety data sheet available on request.
- **2.3 Other hazards** This information is provided by the present Material Safety Data Sheet.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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

- **3.2 Mixtures**
- **Dangerous components:**

CAS: 1948-33-0	2-tert-Butylhydroquinone	≥0,1-<0,25%
EINECS: 217-752-2	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Acute	
Reg.nr.: 1-2119947988-11-xxxx	Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
- **Additional information** For the wording of the listed hazard phrases refer to section 16.

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**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information** In all cases of doubt, or when symptoms persist, seek medical advice.
- **After inhalation** Remove to fresh air.
- **After skin contact**  
Remove contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- **After eye contact**  
Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses. Obtain medical attention.
- **After swallowing** Do NOT induce vomiting. Obtain medical attention.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Alcohol resistant foam, CO<sub>2</sub>, powders, water spray.
- **For safety reasons unsuitable extinguishing agents** Water jet.
- **5.2 Special hazards arising from the substance or mixture**  
Appropriate breathing apparatus may be required.  
Cool closed containers exposed to fire with water.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information** Collect run-off from fire fighting.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures** Ventilate the area.
- **6.2 Environmental precautions:**  
Do not allow to enter drains. If the product contaminates rivers and lakes or sewers inform respective authorities.
- **6.3 Methods and material for containment and cleaning up:**  
Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local regulations. Clean preferably with a detergent. Avoid use of solvents.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Avoid inhalation of vapour. Smoking, eating and drinking should be prohibited in application area. For personal protection see Section 8. Comply with health and safety at work laws. Avoid concentrations higher than the occupational exposure limits (see Section 8), if applicable.

**7.2 Conditions for safe storage, including any incompatibilities****Storage****Requirements to be met by storerooms and containers:**

Keep container tightly closed. No smoking.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Further information about storage conditions:**

Always keep in containers of the same material as the original one. Store in a dry, well ventilated place. Keep away from heat and direct sunlight. Store in accordance with the particular national regulations concerning water pollution.

Note Instructions on the label.

**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Components with critical values that require monitoring at the workplace:**

Numerical data - if specified - are taken from the valid national lists.

**DNELs****1948-33-0 2-tert-Butylhydroquinone**

Dermal DNEL workers 20 mg/kg bw/d (rat)

Inhalative DNEL workers 19,7 mg/m<sup>3</sup> (rat)

**8.2 Exposure controls****Appropriate engineering controls**

If relevant apply technical measures to comply with the occupational exposure limits. This can be by a good general extraction and-if practically feasible, be achieved by local exhaust ventilation.

**Individual protection measures, such as personal protective equipment****Breathing equipment:**

The use of respiratory protective measures, such as masks with filters for organic Vapours and dusts / mists are, in the absence of appropriate technical equipment, necessary for the protection of the employee. If exposure is above the exposure limit, then an appropriate, approved respirator must be worn. Please refer to the appropriate EU standard 14387.

**Hand protection**

For prolonged or repeated contact use gloves.

Barrier creams may help to protect exposed skin, they should however not be applied once have come into contact with the product.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye/face protection** Use safety eyewear designed to protect against splash of liquids.

- **Body protection:**

Working clothes must not consist of textiles which show a dangerous melting behaviour in case of fire.

All parts of the skin should be washed after contact.

## \* SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Physical state**

Liquid

- **Colour:**

according to the tradename of the product

- **Smell:**

Characteristic

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

not determined

It is technically not possible to determine a value.

Not applicable.

- **Flammability**

- **Lower and upper explosion limit**

- **Lower: approx.**

Not determined.

- **Upper: approx.**

Not determined.

- **Flash point:**

&gt;100 °C

- **Decomposition temperature:**

Not determined.

- **pH**

Mixture is non-polar/aprotic.

- **Viscosity:**

- **Kinematic viscosity**

Not determined.

- **dynamic:**

Not determined.

- **Solubility**

- **Water:**

completely miscible with water

- **Partition coefficient n-octanol/water (log value)**

Not determined.

- **Vapour pressure:**

Not determined.

- **Density and/or relative density**

- **Density at 20 °C**

1,0639 g/cm<sup>3</sup>

- **Relative density**

Not determined.

- **(Exceptions: White and , metal pigments)**

- **Vapour density**

Not determined.

- **9.2 Other information**

No further relevant information available.

- **Appearance:**

- **Form:**

liquid

- **Important information on protection of health and environment, and on safety.**

- **Self-inflammability:**

Not determined.

- **Explosive properties:**

Not determined.

- **Solvent separation test**

- **Solid content:**

60,1 %

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· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not applicable.
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	-
· <b>Flammable gases</b>	-
· <b>Aerosols</b>	-
· <b>Oxidising gases</b>	-
· <b>Gases under pressure</b>	-
· <b>Flammable liquids</b>	-
· <b>Flammable solids</b>	-
· <b>Self-reactive substances and mixtures</b>	-
· <b>Pyrophoric liquids</b>	-
· <b>Pyrophoric solids</b>	-
· <b>Self-heating substances and mixtures</b>	-
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	-
· <b>Oxidising liquids</b>	-
· <b>Oxidising solids</b>	-
· <b>Organic peroxides</b>	-
· <b>Corrosive to metals</b>	-
· <b>Desensitised explosives</b>	-

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**SECTION 10: Stability and reactivity**

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- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** No further relevant information available.
- **10.3 Thermal decomposition / conditions to be avoided:**  
Stable under recommended storage and handling conditions (see section 7).
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**  
Keep well away from oxidising agents and strongly alkaline or strongly acid materials in order to avoid exothermic reactions.
- **10.6 Hazardous decomposition products:**  
Exposition to high temperatures may produce hazardous decomposition products such as: carbon dioxide, carbon monoxide and smoke.

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**SECTION 11: Toxicological information**

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The mixture has been assessed following the additivity method of the GB CLP Regulation (EC) No 1272/2008 and/or GHS -Regulation and classified for toxicological hazards accordingly. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in skin dryness. The product may be absorbed through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

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**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

No data available

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

**LD/LC50 values that are relevant for classification:****1948-33-0 2-tert-Butylhydroquinone**

Oral LD50 951 mg/kg (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** 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.

**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information**

The Product should not be allowed to enter drains of water courses or soil.

**12.1 Toxicity**· **Aquatic toxicity:** No further relevant information available.· **12.2 Persistence and degradability** No further relevant information available.· **12.3 Bioaccumulative potential** No further relevant information available.· **12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.· **12.7 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Do not allow to enter drains.

Since wastewater restrictions can vary, the annotation above is a means to prevent discord with authorities. We do recommend checking back with the local wastewater management department before dumping any fount solution. Ask the authorities to consider that the added amount of fount concentrate (which this MSDS is referring to) is according to the dosing recommendation.

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- **European waste catalogue**

08 03 12\* waste ink containing hazardous substances

- **Uncleaned packagings:** Waste

- **Recommendation:**

Emptied containers should be disposed off into scrap recycling or reconditioning respectively.  
 Not orderly emptied cans and ink remnants are special waste.

### SECTION 14: Transport information

Not classified according to transport regulations for dangerous goods (like ADR/RID, IMDG and ICAO/IATA).

- **14.1 UN number or ID number**

- **ADR, ADN, IMDG, IATA** -

- **14.2 UN proper shipping name**

- **ADR, ADN, IMDG, IATA** -

- **14.3 Transport hazard class(es)**

- **ADR, ADN, IMDG, IATA**

- **Class** -

- **14.4 Packing group**

- **ADR, IMDG, IATA** -

- **14.5 Environmental hazards:**

- **Marine pollutant:** No

- **14.6 Special precautions for user** Not applicable.

- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

- **UN "Model Regulation":** -

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Poisons Act**

- **Regulated explosives precursors**

7664-38-2 phosphoric acid . %, orthophosphoric acid . %: 30%

- **Regulated poisons**

None of the ingredients is listed.

- **Reportable explosives precursors**

None of the ingredients is listed.

- **Reportable poisons**

None of the ingredients is listed.

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

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- **REGULATION (EU) 2019/1148**
  - **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**  
None of the ingredients is listed.
  - **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**  
None of the ingredients is listed.
  - **Regulation (EC) No 273/2004 on drug precursors**  
None of the ingredients is listed.
  - **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**  
None of the ingredients is listed.
  - **National regulations**  
The product is subject to classification in accordance with the prevailing version of the regulations on hazardous materials.
  - **VOC-Content (EU): 0,00 %**
  - **Swiss VOC-Regulation 0,00 %**
  - **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
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**SECTION 16: Other information**

The information on this Safety Data Sheet is based on the present state of our knowledge and on current GHS Regulation and national laws. The user's working conditions are beyond our knowledge and control. It is always the responsibility of the user to take all necessary steps in order to fulfil the demands laid down in the local rules and legislation. The information in this Safety Data Sheet is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the product's properties.

- **Relevant phrases**  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.
- **Date of previous version:** 21 September 2023
- **Version number of previous version:** 18
- **Abbreviations and acronyms:**  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (UK REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 4: Acute toxicity – Category 4

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Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

· **\* Data compared to the previous version altered.**

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