

SAFETY DATA SHEET

According to regulation (EC) 1907/2006



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|-----------------|--------------------------------|
| Revision number | 2 |
| Revision date | 14 th February 2022 |
| Supersedes date | February 2011 |
| SDS number | SDS5176 |

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

1.1 Product Identifier

| | |
|------------------------|---|
| Product name | Specialist Crafts Speckle Effect Earthenware Glazes |
| Product Code(s) | M424A960 |
| Other Details | Glaze coating of ceramic products. |

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

| | |
|-----------------------------|-------------------------|
| Uses advised against | No further information. |
|-----------------------------|-------------------------|

1.3 Details of the supplier of the safety data sheet

| | |
|-----------------|---|
| Supplier | Specialist Crafts Ltd Hamilton House Mountain Road Leicester LE4 9HQ United Kingdom Email purchasing@specialistcrafts.com Telephone +44 (0)116 269 7711 |
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1.4 Emergency telephone number

| | |
|----------------------------|--|
| Emergency telephone | +44 (0)116 269 7711 This telephone number is available during office hours only, 09:00 to 17:00 GMT, Monday to Friday, excluding UK bank holidays and weekends. Language English |
|----------------------------|--|

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture


| | |
|------------------------------|--|
| Classification | Classification according to EC regulation 1272/2008 (CLP) Skin sensitisation (Category 1), H317 Carcinogenicity, Inhalation (Category 1A), H350i Specific target organ toxicity - repeated exposure (Category 1), H372 Chronic aquatic toxicity (Category 4), H413 |
| Physical Hazards | No further information. |
| Health Hazards | No further information. |
| Environmental Hazards | No further information. |

2.2 Label Elements

| | |
|--------------------------|--|
| Hazard Statements | Labelling according to EC regulation 1272/2008 |
|--------------------------|--|

SAFETY DATA SHEET

According to regulation (EC) 1907/2006

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| |  |
| Signal Word | Danger. |
| EU Specific Hazard Statements | H317 May cause an allergic skin reaction. H350i May cause cancer by inhalation. H372 Causes damage to organs through prolonged or repeated exposure. H413 May cause long lasting harmful effects to aquatic life. |
| Precautionary Statements | P201 Obtain special instructions before use. P280 Wear protective gloves. P308 + P313 If exposed or concerned: Get medical advice/ attention. Supplemental Hazard: None. |
| Other information | No further information. |

2.3 Other Hazards

Other Hazards

No further information.

SECTION 3: Composition/information on ingredients

3.1 Substances

Substances

Ec No: 215-215-7
Nickel Monoxide
Skin sensitization 1: H317
Carcinogenic, inhalation 1A: H350i
Organ toxicity: H372
Aquatic Chronic 4: H413
CAS No: 1313-99-1
Percentage composition: <2.5%

Ec No: 215-269-1
Copper Oxide
Aquatic Acute 1: H400
Aquatic Chronic 3: H412
CAS No: 1317-38-0
Percentage composition: <2.5%

Ec No: 215-202-6
Manganese Dioxide
Acute Toxicity 4: H302
Acute Toxicity 4: H332
CAS No: 1313-13-9
Percentage composition: <10%

SAFETY DATA SHEET

According to regulation (EC) 1907/2006

3.2 Mixtures

Mixtures

Chemical characterization: Water based mixture of frits (silicate glasses), metal oxides, minerals, clays and suspenders.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General Advice

No further information.

Inhalation

Move affected person to fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin Contact

Wash off immediately with plenty of soap and water. Consult a physician.

Eye Contact

Make sure to remove any contact lenses from the eyes before rinsing. Wash out eyes immediately for several minutes with plenty of clean water.

Ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

General Advice

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Symptoms

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Effects

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

No further information.

Specific Treatments

No further information.

SECTION 5: Fire Fighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media

Product is non-combustible. Extinguishing materials should therefore be selected according to the surrounding fire.

Unsuitable Extinguishing Media

No further information.

5.2 Specific Hazards arising from the substance or mixture

Specific Hazards arising from the chemical

Nickel / nickel oxides.

Hazardous combustion products

No further information.

SAFETY DATA SHEET

According to regulation (EC) 1907/2006

5.3 Advice for fire fighters

Protective actions during firefighting

Do not allow extinguishing media to penetrate into surface or ground water.

Special protective equipment for fire fighters

Wear a self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Other information

No further information.

For emergency responders

No further information.

6.2 Environmental precautions

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Methods of containment

See below.

Methods of cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Reference to other sections

Treat the recovered material as prescribed in section 13 on waste disposal.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Advice on safe handling

While using this product do not eat, drink or smoke. Wash hands before breaks and immediately after using the product. Avoid contact with skin and eyes. Avoid the formation of dust in the atmosphere. Do not breathe dust. Ensure good ventilation of the work area. Do not leave children unattended while using the product. Ensure that kiln gases emitted during firing are vented directly to the outside, if possible.

General hygiene considerations

No further information.

7.2 Conditions for safe storage, including and incompatibilities

Storage conditions

Keep container tightly closed. Store out of the reach of children. Store at room temperature and not in direct sunlight. Protect from freezing. Product is a non-combustible liquid.

SAFETY DATA SHEET

According to regulation (EC) 1907/2006

Storage Class

No further information.

7.3 Specific End Use(s)

Risk management methods

No further information.

Other information

No further information.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits

CAS No. 1313-99-1

Substance: Nickel Monoxide

Value Form of exposure: TWA

Control parameters: 0.5 mg/m³

Basis: UK EH40 WEL-Workplace Exposure Limits

Substances that can cause occupational asthma (also known as astmagens and respiratory sensitisers) can induce a state of specific airway hyper-responsiveness via an immunological, irritant or other mechanism. Once the airways have become hyper-responsive, further exposure to the substance, sometimes even to tiny quantities, may cause respiratory symptoms. These symptoms can range in severity from a runny nose to asthma. Not all workers who are exposed to a sensitiser will become hyper-responsive and it is impossible to identify in advance those who are likely to become hyper-responsive. 54 Substances that can cause occupational asthma should be distinguished from substances which may trigger the symptoms of asthma in people with pre-existing airway hyper-responsiveness, but which do not include the disease themselves. The latter substances are not classified astmagens or respiratory sensitisers. Wherever it is reasonably practicable, exposure to substances that can cause occupational asthma should be prevented. Where this is not possible, the primary aim is to apply adequate standards of control to prevent workers from becoming hyper-responsive. For substances that can cause occupational asthma, COSHH requires that exposure be reduced as low as is reasonably practicable. Activities giving rise to short-term peak concentrations should receive particular attention when risk management is being considered. Health surveillance is appropriate for all employees exposed or liable to be exposed to a substance which may cause occupational asthma and there should be appropriate consultation with an occupational health professional over the degree of risk and level of surveillance. Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. Capable of causing

SAFETY DATA SHEET

According to regulation (EC) 1907/2006

occupational asthma. The identified substances are those which:
 - are assigned the risk phrase 'R42: May cause sensitisation by inhalation'; or 'R42/43: May cause sensitisation by inhalation and skin contact' or - are listed in section C of HSE publication 'Asthmagen? Critical assessments of the evidence for agents implicated in occupational asthma' as updated from time to time, or any other substance which the risk assessment has shown to be a potential cause of occupational asthma. Capable of causing cancer and/or heritable genetic damage.
 The identified substances include those which: - are assigned the risk phrases 'R45: May cause cancer'; 'R46: may cause heritable genetic damage'; 'R49: May cause cancer by inhalation' or - a substance or process listed in Schedule 1 of COSHH.
 Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used Carcinogenic applies for nickel oxides and sulphides. The 'Sen' notation in the list of WELs has been assigned only to those substances which may cause occupational asthma. Sensitizing applies for nickel sulphate.

8.2 Exposure controls

Protective equipment

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Eye/Face Protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
 Wash and dry hands.

Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such

SAFETY DATA SHEET

According to regulation (EC) 1907/2006

Environmental Exposure Controls

as NIOSH (US) or CEN (EU).

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Liquid.

Odour

Almost odourless.

Odour threshold

No data available.

pH

8-10

Melting/freezing point

No data available.

Initial boiling point and boiling range

No data available.

Flash point

No data available.

Evaporation rate

No further information.

Flammability (solid; gas)

No data available.

Upper/lower flammability or explosive limits

No further information.

Vapour pressure

No data available.

Vapour density

No data available.

Relative density

No data available.

Solubility(ies)

No further information.

Partition coefficient

No data available.

Auto-ignition temperature

No data available.

Decomposition temperature

No data available.

Viscosity

No data available.

Explosive properties

No data available.

Oxidising properties

No data available.

9.2 Other information

Other information

No data available.

SECTION 10: Exposure controls/personal protection

10.1 Stability and Reactivity

Stability and reactivity

No dangerous reactions are known.

10.2 Chemical Stability

Chemical Stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

Conditions to avoid

Avoid extremes of temperature and dusty conditions.

SAFETY DATA SHEET

According to regulation (EC) 1907/2006

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| 10.5 | Incompatible materials Incompatible materials | No data available. |
| 10.6 | Hazardous decomposition products Hazardous decomposition products | In the case of strong heating, such as fire, carbon monoxide and carbon dioxide may be released. Thermal decomposition: no data available |

SECTION 11: Toxicological information

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|------|---|--|
| 11.1 | Information on toxicological effects | |
| | Acute toxicity | Oral Rat - female - > 11,000 mg/kg OECD Test Guideline 425) LD50 Subcutaneous - Mouse - 50 mg/kg |
| | Skin corrosion/irritation | No data available. |
| | Serious eye damage/irritation | No data available. |
| | Skin sensitisation | No data available. |
| | Respiratory sensitisation | No data available. |
| | Germ cell mutagenicity | No data available. |
| | Carcinogenicity | Carcinogenicity - Rat - male and female - Inhalation Lungs, Thorax, or Respiration:Bronchiogenic carcinoma. This is or contains a component that has been reported to be carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification. Human carcinogen. IARC: 1 - Group 1: Carcinogenic to humans (Nickel monoxide) |
| | Reproductive toxicity | No data available. |
| | Aspiration hazard | No data available. |
| | Specific Target Organ Toxicity (Single and Repeated Exposure) | |
| | STOT - single exposure | No data available. |
| | STOT - repeated exposure | No data available. |
| | Information on likely routes of exposure | |
| | Inhalation | No further information. |
| | Skin contact | No further information. |
| | Eye contact | No further information. |
| | Ingestion | No further information. |
| | Symptoms related to the physical, chemical and toxicological characteristics | No further information. |

SECTION 12: Ecological information

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|------|---|--|
| 12.1 | Toxicity Toxicity | No further relevant information available. |
| 12.2 | Persistence and degradability Persistence and degradability | No further relevant information available. |

SAFETY DATA SHEET

According to regulation (EC) 1907/2006

- 12.3 Bioaccumulative potential
Bioaccumulative potential
- Fucus vesiculosus - 21 d
- 0.00001 mg/l
Bioconcentration factor (BCF): 675 (Tested according to Annex V of Directive 67/548/EEC.
Remarks: The product may be accumulated in organisms.
- 12.4 Mobility in soil
Mobility in soil
- No further information.
- 12.5 Results of PBT and vPvB assessment
Results of PBT and vPvB assessment
- No further information.
- 12.6 Other adverse effects
Other adverse effects
- Very toxic to aquatic life with long lasting effects.

SECTION 13: Disposal Conditions

- 13.1 General Information
General Information
- Discharging into rivers and drains is forbidden.
- 13.2 Disposal Methods
Disposal Methods
- Dispose of in accordance with relevant local regulations. Destroy at an authorised site.
- Contaminated packaging
Dispose of as unused product.
- 13.3 Waste Class
Waste Class
- No further information.

SECTION 14: Transport Information

General Information

Generally for limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

Road transport notes refer to the Dangerous Goods List for information on any Special Provisions 216.

Sea transport notes refer to the Dangerous Goods List for information on any Special Provisions 216.

Air transport notes refer to the Dangerous Goods List for information on any Special Provisions A46.

SAFETY DATA SHEET

According to regulation (EC) 1907/2006

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| 14.1 | UN Number UN No. (ADR/RID) UN No. (IMDG) UN No. (IATA) UN No. (ADN) | <table border="1"><tr><td>Not dangerous goods.</td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr></table> | Not dangerous goods. | | | | | | | |
| Not dangerous goods. | | | | | | | | | | |
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| | | | | | | | | | | |
| 14.2 | UN proper shipping name UN Proper shipping name (ADR/RID) UN Proper Shipping Name (IMDG) UN Proper Shipping Name (IATA) UN Proper Shipping Name (ADN) | <table border="1"><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr></table> | | | | | | | | |
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| 14.3 | Transport Hazard Class(es) ADR/RID class ADR/RID classification code ADR/RID label IMDG class 4.1 ICAO class/division ADN class Transport labels | <table border="1"><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr></table> | | | | | | | | |
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| 14.4 | Packing Group ADR/RID Packing Group IMDG Packing Group IATA Packing Group ADN Packing Group | <table border="1"><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr></table> | | | | | | | | |
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| | | | | | | | | | | |
| 14.5 | Environmental Hazards Environmentally hazardous substance/marine pollutant Other Environmental Hazards | <table border="1"><tr><td> </td></tr><tr><td> </td></tr></table> | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 14.6 | Special Precautions for User General Special Precautions EmS ADR transport category Emergency Action Code Hazard Identification Number Tunnel Restriction Code | <table border="1"><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr></table> | | | | | | | | |
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| 14.7 | Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code | <table border="1"><tr><td> </td></tr></table> | | | | | | | | |
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SAFETY DATA SHEET

According to regulation (EC) 1907/2006

SECTION 15: Regulatory information

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

National Regulations

Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation
Hazard Pictograms



Hazard determining components of labelling
Nickel Monoxide

Hazard statements

H317 May cause an allergic skin reaction.
H350i May cause cancer by inhalation.
H372 Causes damage to organs through prolonged or repeated exposure.
H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements

P201 Obtain special instructions before use
P280 Wear protective gloves.
P308 + P313 If exposed or concerned: Get medical advice/ attention.

EU Regulations

No further information.

- 15.2 Chemical Safety Assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa.

Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

SAFETY DATA SHEET

According to regulation (EC) 1907/2006

SECTION 16: Other information

16.1 Hazard statements in full

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|--|---|
| | <p>Abbreviations and acronyms:</p> <p>BCF: Bioconcentration factor</p> <p>Bw: Body weight</p> <p>CAS: Chemical Abstracts Service</p> <p>CLP: Classification, labelling, packaging</p> <p>CSR: Chemical Safety Report</p> <p>DMEL: Derived maximum effect level</p> <p>DNEL: Derivative No effect Level</p> <p>EC: European Community</p> <p>ELV: Emission limit values</p> <p>EN: European Norm</p> <p>EUH: European Hazard Statement</p> <p>EWC: European Waste catalogue</p> <p>IATA: International Air Transport Association</p> <p>ICAO: International Civil Aviation Organization</p> <p>IMDG: International Maritime Dangerous Goods</p> <p>LC50: Median lethal concentration</p> <p>LD50: Median lethal dose</p> <p>NOAEL: No-observed-adverse-effect-level</p> <p>NOEC: No observed effect concentration</p> <p>NOEL: No observed effect level</p> <p>OEL: Operator exposure level</p> <p>PBT: Persistent, bioaccumulative, Toxic</p> <p>PEC: Predicted effect level</p> <p>PNEC: Predicted No effect Concentration</p> <p>REACH: Registration, evaluation and authorisation of chemicals</p> <p>RID: Regulations concerning the international carriage of dangerous goods by rail</p> <p>STEL: Short Term Exposure Limit</p> <p>TWA: Time weighted average</p> <p>vPvB: Very persistent, very bioaccumulative.</p> |
|--|---|

16.2 Disclaimer

The information presented herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm, in advance of need, that the information is current, applicable, and suitable to their circumstances.

16.3 Revisions

Please note the revision information on page 1 of this document, indicating the last revision date of this data, the revision number and the date this revision supersedes

SAFETY DATA SHEET

According to regulation (EC) 1907/2006

16.4 References

Suppliers and manufacturers safety data sheets

16.5 Abbreviations and acronyms

Please contact us, in advance of need, should you require clarification of common abbreviations or acronyms used in this safety data sheet

END OF SAFETY DATA SHEET