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## MATERIAL SAFETY DATA SHEET

Revision Date: 16/04/2019

Transport/Fire Emergency: **000** (Emergency Services)  
Medical Emergency: **131126** (Poisons information)

### Charbonnel Black Etching Inks

| 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION |                                                                                                     |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| PRODUCT NAME:                                  | Black Etching Inks                                                                                  |
| OTHER NAMES:                                   |                                                                                                     |
| APPLICATION OF SUBSTANCE:                      | Artwork - printing ink                                                                              |
| MANUFACTURED BY:                               | Colart International S.A.<br>5 Rue Rene-Panhard<br>Z.I.Nord<br>72018 Le Mans Cedex<br>France        |
| CONTACT NUMBERS:                               | (33) 02 43 83 83 00<br><a href="mailto:Lefranc-Bourgeois@colart.fr">Lefranc-Bourgeois@colart.fr</a> |

| 2. HAZARDOUS INFORMATION                          |     |
|---------------------------------------------------|-----|
| No hazard expected under normal conditions of use |     |
| MANUFACTURER'S CODE:                              | N/A |
| UN NUMBER:                                        | N/A |
| DANGEROUS GOODS CLASS AND SUBSIDIARY RISK:        | N/A |
| HAZCHEM CODE:                                     | N/A |
| POISONS SCHEDULE NUMBER:                          | N/A |
| PACKAGING GROUP:                                  | N/A |
| HAZARD CATEGORY:                                  | N/A |
| CLASS:                                            | N/A |

| 3. COMPOSITION / INFORMATION ON INGREDIENTS |  |
|---------------------------------------------|--|
| Mixture of linseed oil and pigment          |  |

| 4. FIRST AID MEASURES |                                                             |
|-----------------------|-------------------------------------------------------------|
| GENERAL:              | Seek medical advice if necessary and treat symptomatically. |

| <b>4. FIRST AID MEASURES</b> |                                                                                                                                                           |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| INHALATION:                  | Unlikely to occur.                                                                                                                                        |
| EYE CONTACT:                 | Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice. |
| SKIN CONTACT:                | Remove contaminated clothing immediately. Wipe affected skin with a dry cloth then wash with soap and water. Never use solvents to clean the skin.        |
| INGESTION:                   | Rinse mouth with water (do not swallow). Seek medical advice, do not induce vomiting and give plenty of water to drink.                                   |

| <b>5. FIRE FIGHTING MEASURES</b> |                                                         |
|----------------------------------|---------------------------------------------------------|
| EXTINGUISHING MEDIA:             | In case of fire, use foam, carbon dioxide or dry agent. |
| DO NOT USE:                      | N/A                                                     |
| DEGREE OF FIRE RISK:             | Combustible. Auto-ignition point > 300°C.               |
| RECOMMENDATIONS:                 | N/A                                                     |

| <b>6. ACCIDENTAL RELEASE MEASURES</b>                                                                                                                                                                                                      |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>Absorb spillage in suitable inert material.<br/>           If a rag is used to absorb a small spillage, thoroughly wet the rag and dispose of in a closed metal container.<br/>           Wash spill site with water and detergent.</p> |  |

| <b>7. HANDLING AND STORAGE</b> |                                                    |
|--------------------------------|----------------------------------------------------|
| HANDLING:                      | No special requirements.                           |
| STORAGE:                       | Store at ambient temperature. Keep away from heat. |

| <b>8. EXPOSURE CONTROL AND PERSONAL PROTECTION</b> |                                               |
|----------------------------------------------------|-----------------------------------------------|
| ENGINEERING MEASURES:                              | N/A                                           |
| <i>PERSONAL PROTECTION</i>                         |                                               |
| RESPIRATORY PROTECTION:                            | N/A                                           |
| HAND PROTECTION:                                   | N/A                                           |
| EYE PROTECTION:                                    | N/A                                           |
| SKIN PROTECTION:                                   | Use a suitable barrier cream to protect skin. |

| <b>9. PHYSICAL AND CHEMICAL PROPERTIES</b> |             |
|--------------------------------------------|-------------|
| APPEARANCE:                                | Black paste |
| FLASH POINT:                               | > 230°C     |

| <b>9. PHYSICAL AND CHEMICAL PROPERTIES</b> |                           |
|--------------------------------------------|---------------------------|
| BOILING POINT:                             | > 300°C                   |
| VAPOUR PRESSURE:                           | N/A                       |
| VAPOUR DENSITY:                            | 1.1-2.0 g/cm <sup>3</sup> |
| SPECIFIC GRAVITY:                          | Not known                 |
| SOLUBILITY IN WATER:                       | Insoluble in water        |
| MELTING POINT:                             | Not known                 |

| <b>10. STABILITY AND REACTIVITY</b>                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Stable.<br/>           Avoid overheating.<br/>           Keep away from combustible material.<br/>           Decomposition may produce toxic or irritating fumes.</p> |

| <b>11. TOXICOLOGICAL INFORMATION</b>                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------|
| <p>Prolonged skin contact will result in defatting of the skin, leading to irritation and, in some cases, dermatitis.</p> |

| <b>12. ECOLOGICAL INFORMATION</b>                       |
|---------------------------------------------------------|
| <p>Presents little or no hazard to the environment.</p> |

| <b>13. DISPOSAL CONSIDERATIONS</b>                                                 |
|------------------------------------------------------------------------------------|
| <p>Disposal should be in accordance with local, state or national legislation.</p> |

| <b>14. TRANSPORT INFORMATION</b>                  |
|---------------------------------------------------|
| <p>Not classified as hazardous for transport.</p> |

| <b>15. REGULATORY INFORMATION</b> |
|-----------------------------------|
| <p>N/A</p>                        |

| <b>16. OTHER INFORMATION</b>                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------|
| <p>This safety data sheet does not constitute a workplace risk assessments. The data given is based on current knowledge and experience.</p> |