

NEOCOL B -BULK


# SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

## 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>1.1 Product identifier</b>	Product Name	NEOCOL B – BULK.
	CAS No.	Mixture.
	EINECS No.	Mixture.
	REACH Registration No.	None assigned.
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	Identified use(s)	A Black Magnetic Ink for use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2:2002).
	Uses advised against	None known.
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	Company Identification	Johnson and Allen Ltd Neocol Works Smithfield Sheffield S3 7AR.
	Telephone	0114 2738066 0114 2729842
	E-Mail (competent person)	info@johnsonandallen.co.uk
<b>1.4 Emergency telephone number</b>	Emergency Phone No.	0114 2738066 (UK office hours 08.30-17.00)

## 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	<b>Regulation (EC) No. 1272/2008 (CLP)</b>	Asp. Tox. 1; May be fatal if swallowed and enters airways. Repeated exposure may cause skin dryness or cracking.
<b>2.2 Label elements</b>	Product Name	According to Regulation (EC) No. 1272/2008 (CLP) NEOCOL B – BULK.
	Hazard Pictogram	
	Signal word(s)	GHS08 Danger.
	Hazard statement(s)	H304: May be fatal if swallowed and enters airways. EUH066: Repeated exposure may cause skin dryness or cracking.
	Precautionary statement(s)	P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331: Do NOT induce vomiting. P405: Store locked up. P501: Dispose of contents/container to: Licensed recycler.
<b>2.3 Other hazards</b>		None.
<b>2.4 Additional Information</b>		For full text of H/P Statements see section 16.

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### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Not applicable.

#### 3.2 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%WW	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics	>90	None assigned	920-107-4	01-2119453414-43-0001	GHS08, Asp. Tox. 1; H304, EUH066
Triiron tetraoxide	<1	1317-61-9	215-277-5	01-2119457646-28-0000	None

#### 3.3 Additional Information

For full text of H/P Statements see section 16.

### 4. SECTION 4: FIRST AID MEASURES



#### 4.1 Description of first aid measures

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention.

Skin Contact

Wash with plenty of soap and water. Remove contaminated clothing and wash clothing before reuse. If symptoms persist, obtain medical attention.

Eye Contact

Flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, obtain medical attention. IF SWALLOWED: Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

Ingestion

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

Aspiration into the lungs may cause chemical pneumonitis, which can be fatal. Repeated exposure may cause skin dryness or cracking.

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

Unlikely to be required but if necessary treat symptomatically.

### 5. SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing Media

Suitable Extinguishing Media  
Unsuitable Extinguishing Media

Extinguish with waterspray, foam or dry chemical.  
None known.

#### 5.2 Special hazards arising from the substance or mixture

None known.

#### 5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Avoid spraying water directly into storage containers due to danger of boilover.

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### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- |                                                                                |                                                                                                             |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | Ensure adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection.             |
| <b>6.2 Environmental precautions</b>                                           | Do not allow to enter drains, sewers or watercourses.                                                       |
| <b>6.3 Methods and material for containment and cleaning up</b>                | Absorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. |
| <b>6.4 Reference to other sections</b>                                         | See Also Section: 8, 13.                                                                                    |




### 7. SECTION 7: HANDLING AND STORAGE

- |                                                                         |                                                                                                                                                           |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>7.1 Precautions for safe handling</b>                                | Provide adequate ventilation. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke during work. Wash hands thoroughly after handling. |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b> | Store locked up.                                                                                                                                          |
| Storage Temperature                                                     | Ambient.                                                                                                                                                  |
| Storage Life                                                            | Stable under normal conditions.                                                                                                                           |
| Incompatible materials                                                  | Strong oxidising agents, Natural rubber, Polystyrene, Butyl rubber.                                                                                       |
| <b>7.3 Specific end use(s)</b>                                          | A Black Magnetic Ink for use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2:2002).                                                         |

### 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**  
**8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
						Not established

- |                                                                                     |                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>8.1.2 Biological limit value</b>                                                 | Not established.                                                                                                                                                                                                       |
| <b>8.1.3 PNECs and DNELs</b>                                                        | Not established.                                                                                                                                                                                                       |
| <b>8.2 Exposure controls</b>                                                        |                                                                                                                                                                                                                        |
| <b>8.2.1 Appropriate engineering controls</b>                                       | Provide adequate ventilation.                                                                                                                                                                                          |
| <b>8.2.2 Personal protection equipment</b>                                          |                                                                                                                                                                                                                        |
| Eye/face protection                                                                 | Wear suitable eye/face protection.                                                                                                                                                                                     |
|  |                                                                                                                                                                                                                        |
| Skin protection (Hand protection/ Other)                                            | Wear suitable protective clothing and gloves.                                                                                                                                                                          |
|  |                                                                                                                                                                                                                        |
| Respiratory protection                                                              | Not normally required.                                                                                                                                                                                                 |
|  |                                                                                                                                                                                                                        |
| Thermal hazards                                                                     | During spraying wear suitable respiratory equipment: A suitable mask with filter type A (EN14387 or EN405) may be appropriate. Use a respirator/filter with at least: PF10: 10 x Protection Factor.<br>Not applicable. |

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### 8.2.3 Environmental Exposure Controls

Do not release large quantities into the surface water or into drains.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Dark grey/ Black (Shaken).
Odour	Paraffinic.
Odour Threshold	Not available.
pH	Not applicable.
Melting Point/Freezing Point	Not applicable.
Initial boiling point and boiling range	235 - 270°C.
Flash Point	>100°C.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	Slightly soluble.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not available.
Kinematic Viscosity	3.2cSt @ 40°C.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

### 9.2 Other information

None.

## 10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid	Heat and direct sunlight.
10.5 Incompatible materials	Strong oxidising agents, Natural rubber, Polystyrene, Butyl rubber.
10.6 Hazardous Decomposition Product(s)	No hazardous decomposition products known.

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

Ingestion	Low acute toxicity. Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics: LD50 (rat): > 5000mg/kg (OECD401).
Inhalation	Low acute toxicity. Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics: LC50 (rat) 4hour(s): > 4951mg/m <sup>3</sup> (OECD403).
Skin Contact	Low acute toxicity. Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics: LD50 (rabbit): > 5000mg/kg (OECD402).
Eye Contact	Low acute toxicity.

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<b>Skin corrosion/irritation</b>	Repeated exposure may cause skin dryness or cracking.
<b>Serious eye damage/irritation</b>	Non-irritant.
<b>Respiratory or skin sensitisation</b>	Not expected to be a skin or respiratory sensitiser.
<b>Germ cell mutagenicity</b>	There is no evidence of mutagenic potential.
<b>Carcinogenicity</b>	No evidence of carcinogenicity.
<b>Reproductive toxicity</b>	None anticipated.
<b>STOT - single exposure</b>	Not classified.
<b>STOT - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways. Aspiration into the lungs may cause chemical pneumonitis, which can be fatal.

### 11.2 Other information

None.

## 12. SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Low toxicity to aquatic organisms.
<b>12.2 Persistence and degradability</b>	The product is not biodegradable. There is evidence of photodegradation in air. The product is unlikely to persist in the environment.
<b>12.3 Bioaccumulative potential</b>	The product has potential for bioaccumulation.
<b>12.4 Mobility in soil</b>	Slightly soluble. The product is predicted to have low mobility in soil. The product is volatile and will partition into the atmosphere. Higher molecular weight hydrocarbons: The substance may adsorb onto soils and sediments.
<b>12.5 Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>12.6 Other adverse effects</b>	None.

## 13. SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	Dispose of contents/container to: Licensed recycler. Refer to manufacturer for information on recovery/recycling. Do NOT landfill.
<b>13.2 Additional Information</b>	Disposal should be in accordance with local, state or national legislation.

## 14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

<b>14.1 UN number</b>	Not applicable.
<b>14.2 UN Proper Shipping Name</b>	Not applicable.
<b>14.3 Transport hazard class(es)</b>	Not applicable.
<b>14.4 Packing Group</b>	Not applicable.
<b>14.5 Environmental hazards</b>	Not applicable.
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
<b>14.8 Additional Information</b>	Not applicable.

## 15. SECTION 15: REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<b>15.1.1 EU regulations</b>	
Authorisations and/or restrictions on use	
Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	All chemicals are not listed.
REACH: ANNEX XIV List of substances subject to authorisation	All chemicals are not listed.
Community Rolling Action Plan (CoRAP)	All chemicals are not listed.
Other EU regulations	This product is not classified as a Volatile Organic Compound according to the Directive 1999/13/EC.
<b>15.1.2 National regulations</b>	None known.
<b>15.2 Chemical Safety Assessment</b>	Not applicable.

## 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 2, 3, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16.

### LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEL	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
OECD	Organisation for Economic Cooperation and Development
Asp. Tox. 1	Aspiration hazard Category 1

### Hazard statement(s)

H304	May be fatal if swallowed and enters airways.
EUH066	Repeated exposure may cause skin dryness or cracking.

### Hazard pictogram(s)

GHS08



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### Annex to the extended Safety Data Sheet (eSDS)

Not applicable.