

**NEOCOL B - BULK**

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 and SI 2020/1577

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

Product Name NEOCOL B - BULK

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

Identified Use(s) For use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2:2002).

Uses Advised Against Not known.

**1.3 Details of the supplier of the safety data sheet**

Company Identification Johnson and Allen Ltd

Address of Supplier Neocol Works

Smithfield

Sheffield

Postal code S3 7AR

Telephone 0114 2738066

Fax 0114 2729842

E-mail info@johnsonandallen.co.uk

Office hours 08:30 - 17:00

**1.4 Emergency telephone number**

Company 0114 2738066 (UK office hours 08.30-17.00)

NHS Direct +44 111

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

GB CLP Regulation, UK SI 2019/720 and Asp. Tox. 1 :May be fatal if swallowed and enters airways.

UK SI 2020/1567

**2.2 Label elements**

According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1567

Product Name NEOCOL B - BULK

Hazard Pictogram(s)



GHS08

Signal Word(s) 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 CENTRE/doctor.

P331: Do NOT induce vomiting.

P405: Store locked up.

P501: Dispose of contents/container to: Licensed recycler.

**2.3 Other hazards**

None known.

**2.4 Additional Information**

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

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not applicable.

**3.2 Mixtures**

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / Registration number(s)	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics	None assigned	920-107-4	>90	Asp. Tox. 1 H304 EUH066	GHS08
Triiron tetraoxide	1317-61-9	215-277-5	<1	Not classified	None

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

**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.

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Ingestion Do NOT induce vomiting. Immediately call a POISON CENTRE/doctor.  
**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.

**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing media**  
 Suitable Extinguishing media Extinguish with waterspray, foam or dry chemical.  
 Unsuitable extinguishing media None.  
**5.2 Special hazards arising from the substance or mixture**  
 Decomposes in a fire giving off toxic fumes: Smoke, Oxides of carbon.  
**5.3 Advice for firefighters**  
 Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Avoid spraying water directly into storage containers due to danger of boilover.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**  
 Ensure adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection.  
**6.2 Environmental precautions**  
 Do not release large quantities into the surface water or into drains.  
**6.3 Methods and material for containment and cleaning up**  
 Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal or recovery.  
**6.4 Reference to other sections**  
 See Also Section 8, 13.

**SECTION 7: HANDLING AND STORAGE**

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

**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/m³)	STEL (ppm)	STEL (mg/m³)	Note
						Not established

Region United Kingdom Source UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

**8.2 Exposure controls**  
 8.2.1. Appropriate engineering controls Provide adequate ventilation.  
 8.2.2. Personal protection equipment



Eye Protection Not normally required. Wear protective eye glasses for protection against liquid splashes.



Skin protection Not normally required. Wear suitable gloves if prolonged skin contact is likely. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

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Respiratory protection Not normally required.

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.



Thermal hazards Not applicable.

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

**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.
Odour threshold	Not established.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	235-270°C (Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics)
Flash Point	>100°C
Evaporation rate	Not known.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water): Slightly soluble. Solubility (Other): Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	3.2 cSt
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

**9.2 Other information**

None.

**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, Butyl rubber, Polystyrene.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

Acute toxicity - Ingestion	Calculation method : Not classified. Low oral toxicity. Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics: LD50 (rat) > 5000 mg/kg (OECD 401)
Acute toxicity - Skin Contact	Calculation method : Not classified. Low acute toxicity. Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics: LC50 (rat) (4 hours) > 4951 mg/m <sup>3</sup> (OECD 402)

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Acute toxicity - Inhalation	Calculation method : Not classified. Low acute toxicity. Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics: LD50 (rabbit) > 5000 mg/kg (OECD 403)
Skin corrosion/irritation	Calculation method : Not classified. Repeated exposure may cause skin dryness or cracking.
Serious eye damage/irritation	Calculation method : Not classified. Non-irritant.
Skin sensitization data	Calculation method : Not classified. It is not a skin sensitizer.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified. There is no evidence of mutagenic potential.
Carcinogenicity	Calculation method : Not classified. No evidence of carcinogenicity.
Reproductive toxicity	Calculation method : Not classified. No evidence of reproductive effects.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : May be fatal if swallowed and enters airways. No data. Aspiration into the lungs may cause chemical pneumonitis, which can be fatal.
<b>11.2 Other information</b>	Not known.

**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>	Not known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

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

**SECTION 14: TRANSPORT INFORMATION**

Not classified as hazardous 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 classified as a Marine Pollutant.
<b>14.6 Special precautions for user</b>	Not known
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not known

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**SECTION 15: REGULATORY INFORMATION**

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

United Kingdom Regulations - Authorisations and/or Restrictions On Use  
 UK REACH Candidate List of Substances Not listed  
 of Very High Concern for Authorisation  
 UK REACH Authorisation List (Annex XIV) list of substances subject to authorisation Not listed  
 UK REACH Restrictions List (Annex XVII) Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics (EC No.: 920-107-4)  
 Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles  
 UK REACH Rolling Action Plan (RAP) Not listed  
 The Persistent Organic Pollutants Regulations 2007 (SI 2007/3106) as amended Not listed  
 The Ozone-Depleting Substances and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019/583) Not listed  
 The Prior Informed Consent (PIC) Regulations concerning the export and import of hazardous chemicals SI2008/2108 as amended Not listed  
 European Regulations - Authorisations and/or Restrictions On Use  
 Community Rolling Action Plan (CoRAP) Not listed

**15.2 Chemical Safety Assessment**

United Kingdom Not applicable.

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements: 1-16

**LEGEND**

Hazard Pictogram(s)



GHS08

Hazard classification  
 Hazard Statement(s)

Asp. Tox. 1 : Aspiration hazard, Category 1  
 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 CENTRE/doctor.  
 P331: Do NOT induce vomiting.  
 P405: Store locked up.  
 P501: Dispose of contents/container to: Licensed recycler.

Acronyms

ATE : Acute Toxicity Estimate  
 CAS : Chemical Abstracts Service  
 DNEL : Derived No Effect Level  
 EC : European Community  
 EINECS : European Inventory of Existing Commercial Chemical Substances  
 LTEL : Long term exposure limit  
 PBT : Persistent, Bioaccumulative and Toxic  
 PNEC : Predicted No Effect Concentration  
 REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
 STEL : Short term exposure limit  
 STOT : Specific Target Organ Toxicity  
 vPvB : very Persistent and very Bioaccumulative  
 OECD: Organisation for Economic Cooperation and Development

Key literature references and sources for data used to compile the SDS GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

## NEOCOL B - BULK

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