



NEOCOL B - BULK


SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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

1.1 Product identifier	
Product Name	NEOCOL B – BULK.
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
1.2 Relevant identified uses of the substance or mixture and uses advised against	
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.
1.3 Details of the supplier of the Safety Data Sheet	
Company Identification	Johnson and Allen Ltd Neocol Works Smithfield Sheffield S3 7AR.
Telephone	0114 2738066.
Fax	0114 2729842.
E-Mail (competent person)	info@johnsonandallen.co.uk
1.4 Emergency telephone number	
Emergency Phone No.	0114 2738066. (UK office hours 08.30-17.00).

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
2.1.1 Regulation (EC) No. 1272/2008 (CLP)	Asp. Tox. 1; May be fatal if swallowed and enters airways. Repeated exposure may cause skin dryness or cracking.
2.1.2 Directive 67/548/EEC & Directive 1999/45/EC	Xn; Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.
2.2 Label elements	
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 CENTRE or doctor/physician. P331: Do NOT induce vomiting. P405: Store locked up. P501: Dispose of contents/container to: Licensed recycler.



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- 2.3 Other hazards None.
 2.4 Additional Information For full text of H/P phrases see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Kerosene – unspecified – distillates (petroleum), hydrotreated light	>90	64742-47-8	265-149-8	01-2119453414-43-0001	GHS08, Asp. Tox. 1; H304, EUH066.
Triiron tetraoxide	<1	1317-61-9	215-277-5	01-2119457646-28-0000	None

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Kerosene – unspecified – distillates (petroleum), hydrotreated light	>90	64742-47-8	265-149-8	01-2119453414-43-0001	Xn; R65, R66.
Triiron tetraoxide	<1	1317-61-9	215-277-5	01-2119457646-28-0000	None

3.2 Additional Information

For full text of H/P phrases 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.

Ingestion

IF SWALLOWED: Do NOT induce vomiting. Immediately call a POISON CENTRE or doctor/physician.

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.



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5. SECTION 5: FIRE-FIGHTING MEASURES

- 5.1 Extinguishing Media**
 Suitable Extinguishing Media Extinguish with waterspray, foam or dry chemical.
 Unsuitable Extinguishing Media 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.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation. Avoid inhalation of high concentrations of vapours. Wear suitable protective clothing, gloves and eye/face protection.
- 6.2 Environmental precautions** Do not allow to enter drains, sewers or watercourses.
- 6.3 Methods and material for containment and cleaning up** Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.
- 6.4 Reference to other sections** See Also Section 8 and 13.
- 6.5 Additional Information** None.

7. SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Provide adequate ventilation. Avoid inhalation of high concentrations of vapours. Avoid prolonged skin contact. Wear suitable protective clothing, gloves and eye/face protection. Wash thoroughly with soap and water after handling. Do not eat, drink or smoke during work.
- 7.2 Conditions for safe storage, including any incompatibilities**
 Storage Temperature Store locked up.
 Storage Life Ambient.
 Incompatible materials Stable under normal conditions.
 Strong oxidising agents, Natural rubber, Polystyrene, Butyl rubber.
- 7.3 Specific end use(s)** 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 ³)	STEL (ppm)	STEL (mg/m ³)	Note
Kerosene – unspecified – distillates (petroleum), hydrotreated light	64742-47-8	150	1200	-	-	WEL (Reciprocal Calculation Method)

WEL: Workplace Exposure Limit (UK HSE EH40)

- 8.1.2 Biological limit value** Not established.
- 8.1.3 PNECs and DNELs** Not established.



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8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation.

8.2.2 Personal protection equipment

Eye/face protection



Wear protective eye glasses for protection against liquid splashes.

Skin protection (Hand protection/ Other)



Wear suitable gloves if prolonged skin contact is likely. Impervious gloves (EN 374).

Respiratory protection



Not normally required.

Thermal hazards

Handling of larger amounts: 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. Not applicable.

8.2.3 Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

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 (ppm)	Not available.
pH (Value)	Not applicable.
Melting Point (°C)	Not applicable.
Boiling Point (°C)	235 - 270°C.
Flash Point (°C)	>100°C.
Evaporation rate	Not available.
Flammability	Non-flammable.
Explosive limit ranges	Not applicable.
Vapour Pressure (mm Hg)	Not available.
Vapour Density (Air=1)	Not available.
Solubility (Water)	Slightly soluble.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	Not applicable.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity	3.2cSt @ 40°C.
Explosive properties	Not available.
Oxidising properties	No information available.

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	Stable under normal conditions.
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)	None known.



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11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
11.1.1	Mixtures	
	Acute toxicity	
	Ingestion	Low oral toxicity. Kerosene – unspecified – distillates (petroleum), hydrotreated light: LD50 (rat) : >15000mg/kg.
	Inhalation	Low acute toxicity. Kerosene – unspecified – distillates (petroleum), hydrotreated light: LC50 (rat) 4hour(s) : >4951mg/m ³ .
	Skin Contact	Low acute toxicity. Kerosene – unspecified – distillates (petroleum), hydrotreated light: LD50 (rabbit) : >2000mg/kg.
	Eye Contact	Low acute toxicity.
	skin corrosion/irritation	Repeated exposure may cause skin dryness or cracking.
	Serious eye damage/irritation	Not classified.
	Respiratory or skin sensitization	Not expected to be a skin or respiratory sensitiser.
	Repeated dose toxicity	None anticipated.
	Carcinogenicity	No evidence of carcinogenicity.
	Mutagenicity	There is no evidence of mutagenic potential.
	Reproductive toxicity	None anticipated.
	Aspiration hazard	Asp. Tox. 1; 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

12.1	Toxicity	Low toxicity to aquatic organisms.
12.2	Persistence and degradability	The product is not biodegradable. There is evidence of photodegradation in air. The product is unlikely to persist in the environment.
12.3	Bioaccumulative potential	The product has potential for bioaccumulation. Kerosene – unspecified – distillates (petroleum), hydrotreated light: BCF = 130-159.
12.4	Mobility in soil	Immiscible with water. 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.
12.5	Results of PBT and VPvB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None.

13. SECTION 13: DISPOSAL CONSIDERATIONS

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



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14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1	UN number	Not applicable.
14.2	Proper Shipping Name	Not applicable.
14.3	Transport hazard class(es)	Not applicable.
14.4	Packing Group	Not applicable.
14.5	Environmental hazards	Not applicable.
14.6	Special precautions for user	Not applicable.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8	Additional Information	Not applicable.

15. SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	
	Authorisations and/or restrictions on use	None known.
	Other EU regulations	This product is not classified as a Volatile Organic Compound according to the Directive 1999/13/EC.
15.1.2	National regulations	None known.
15.2	Chemical Safety Assessment	Not available.

16. SECTION 16: OTHER INFORMATION

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

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
DNEL	Derived No Effect Level
PNEL	Predicted No Effect Concentration
PBT	PBT: Persistent, Bioaccumulative and Toxic
vPvB	vPvB: very Persistent and very Bioaccumulative
BCF	Bioconcentration factor
Asp. Tox. 1	Aspiration hazard Category 1
Xn	Harmful

Risk Phrases

R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

Hazard statement(s)

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



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Hazard pictogram(s) and Hazard Symbol

GHS08



Xn



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Annex to the extended Safety Data Sheet (eSDS)

No information available.