



NEOCOL B - AEROSOL


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 – AEROSOL.
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)	Aerosol 3; Pressurised container: May burst if heated. 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 – AEROSOL.
Hazard Pictogram	
Signal word(s)	GHS08 Danger.
Hazard statement(s)	H229: Pressurised container: May burst if heated. H304: May be fatal if swallowed and enters airways. EUH066: Repeated exposure may cause skin dryness or cracking.



NEOCOL B - AEROSOL

Precautionary statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P251: Do not pierce or burn, even after use.
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331: Do NOT induce vomiting..
 P405: Store locked up.
 P410+P412: Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F.

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

Product as supplied: Aerosol.

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
Carbon dioxide	1-10	124-38-9	204-696-9	None assigned	GHS04, Press. Gas; H280
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.
Carbon dioxide	1-10	124-38-9	204-696-9	None assigned	None
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.



NEOCOL B - AEROSOL

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 CENTER/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.

5. SECTION 5: FIRE-FIGHTING MEASURES

Pressurised container: May burst if heated.

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

Heating may cause pressure rise with risk of bursting.

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. Keep containers cool by spraying with water if exposed to fire.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid inhalation of high concentrations of vapours. Wear suitable 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

Collect mechanically and dispose of according to Section 13. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal or recovery. Containers must not be punctured or destroyed by burning, even when empty.

6.4 Reference to other sections

See Also Section 8 and 13.



NEOCOL B - AEROSOL

7. SECTION 7: HANDLING AND STORAGE





- 7.1 Precautions for safe handling** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Provide adequate ventilation. Avoid inhalation of high concentrations of vapours. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke during work. Wash hands thoroughly after handling. Store locked up. Protect from sunlight.
- 7.2 Conditions for safe storage, including any incompatibilities**
- Storage Temperature Ambient. Do not expose to temperatures exceeding 50°C/ 122°F.
- Storage Life Stable under normal conditions.
- Incompatible materials 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)
Carbon dioxide	124-38-9	5000	9150	15000	27400	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

- 8.1.2 Biological limit value** Not established.
- 8.1.3 PNECs and DNELs** Not established.
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls** Provide adequate ventilation.
- 8.2.2 Personal protection equipment**
- Eye/face protection  Wear suitable eye/face protection.
- Skin protection (Hand protection/ Other)  Wear suitable protective clothing and gloves.
- Respiratory protection  No personal respiratory protective equipment normally required. Handling of larger amounts: In case of insufficient ventilation, 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.



NEOCOL B - AEROSOL

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	Aerosol.
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 applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	0.015 mm Hg @ 20°C
Vapour density	Not available.
Relative density	0.82
Solubility(ies)	Immiscible with water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not available.
Kinematic Viscosity	3.2cSt @ 40°C
Explosive properties	Pressurised container: May burst if heated.
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.

11. SECTION 11: TOXICOLOGICAL INFORMATION

Unlikely to cause harmful effects under normal conditions of handling and use.

11.1 Information on toxicological effects

11.1.1 Mixtures

Acute toxicity

Ingestion	Low oral toxicity. Kerosene – unspecified – distillates (petroleum), hydrotreated light: LD50 (rat) >5000mg/kg
Inhalation	Low acute toxicity. Kerosene – unspecified – distillates (petroleum), hydrotreated light: LC50 (rat) 4hour(s) >5.28mg/l
Skin Contact	Low acute toxicity. Kerosene – unspecified – distillates (petroleum), hydrotreated light: LD50 (rabbit) >2000mg/kg
Eye Contact	Low acute toxicity.



NEOCOL B - AEROSOL

<p>Irritation Corrosivity Sensitisation Repeated dose toxicity Carcinogenicity Mutagenicity Toxicity for reproduction Aspiration hazard</p>	<p>Repeated exposure may cause skin dryness or cracking. Not classified. Not expected to be a skin or respiratory sensitiser. None anticipated. No evidence of carcinogenicity. There is no evidence of mutagenic potential. None anticipated. Asp. Tox. 1; May be fatal if swallowed and enters airways. Aspiration into the lungs may cause chemical pneumonitis, which can be fatal. None.</p>
11.2 Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Low toxicity to aquatic organisms. Kerosene – unspecified – distillates (petroleum), hydrotreated light: Fish: LC50 (96 hour) = 45mg/l Aquatic invertebrates: EC50 (48 hour) = 4720mg/l
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	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility. 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.

14. SECTION 14: TRANSPORT INFORMATION

14.1 UN number	UN 1950
14.2 Proper Shipping Name	AEROSOLS, non-flammable
14.3 Transport hazard class(es)	2
14.4 Packing Group	None.
14.5 Environmental hazards	None.
14.6 Special precautions for user	None.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8 Additional Information	
14.8.1 ADR Classification Code	5A
14.8.2 Hazard label(s)	2.2



NEOCOL B - AEROSOL

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	
	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); Draft 20/03/2012	All chemicals are not listed.
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
Aerosol 3	Aerosol Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Press. Gas	Gases under pressure: Compressed gas
Xn	Harmful

Risk Phrases and Safety Phrases

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

Hazard statement(s)

H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
EUH066	Repeated exposure may cause skin dryness or cracking.



NEOCOL B - AEROSOL

Hazard pictogram(s) and Hazard Symbol

GHS04



Xn



GHS08



Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Johnson and Allen Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Johnson and Allen Ltd accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

Annex to the extended Safety Data Sheet (eSDS)

No information available.