



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)	Gases under pressure: Compressed gas; Contains gas under pressure; may explode if heated. Asp. Tox. 1; May be fatal if swallowed and enters airways.
2.1.2 Directive 67/548/EEC & Directive 1999/45/EC	Xn; Harmful: may cause lung damage if swallowed.
2.2 Label elements	
2.2.1 Label elements	According to Regulation (EC) No. 1272/2008 (CLP) NEOCOL B – AEROSOL.
Product Name	
Hazard Pictogram	 
	GHS04 GHS08
Signal word(s)	Danger.
Hazard statement(s)	H280: Contains gas under pressure; may explode if heated. H304: May be fatal if swallowed and enters airways.
Precautionary statement(s)	P301 + P310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. P331: Do NOT induce vomiting. P405: Store locked up. P410 + P403: Protect from sunlight. Store in a well-ventilated place.



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2.2.2 Label elements Hazard Symbol

According to Directive 67/548/EEC & Directive 1999/45/EC



Xn

Risk Phrases
Safety Phrases

R65: Harmful: may cause lung damage if swallowed.
S2, S23, S24, S62.

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	None.
Powder dispersion agent	<1	None assigned	None assigned	None assigned	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.
Powder dispersion agent	<1	None assigned	None assigned	None assigned	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



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Eye Contact	clothing and wash clothing before reuse. If symptoms persist, obtain medical attention.
Ingestion	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 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.
4.3 Indication of immediate medical attention and special treatment needed	Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

Contains gas under pressure; may explode 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. 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	Absorb 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.
6.5 Additional Information	None.

7. 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	Protect from sunlight. Store in a well-ventilated place. Store locked up.
Storage Temperature	Ambient.
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).



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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

Not normally required. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.



Thermal hazards

Not applicable.

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 (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 applicable.

Flammability (solid, gas)

Non-flammable.



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Explosive limit ranges	Not applicable.
Vapour Pressure (mm Hg)	0.015 mm Hg @ 20°C.
Vapour Density (Air=1)	Not available.
Specific Gravity	0.82.
Solubility (Water)	Immiscible with water.
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	Contains gas under pressure; may explode 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) : >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	Not classified.
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



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12.3	Bioaccumulative potential	photodegradation in air. The product is unlikely to persist in the environment. The product has potential for bioaccumulation.
12.4	Mobility in soil	Kerosene – unspecified – distillates (petroleum), hydrotreated light: BCF = 130-159. 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.
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 + EHS.
14.8.3	IMDG	EmS: F-S, S-U.

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 Other EU regulations	None known. 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



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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 and Safety Phrases

R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
S2	Keep out of the reach of children.
S23	Do not breathe vapour.
S24	Avoid contact with skin.
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Hazard statement(s)

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

Hazard pictogram(s) and Hazard Symbol

GHS04



Xn



GHS08



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Annex to the extended Safety Data Sheet (eSDS)

No information available.