

NEOCOL B – AEROSOL

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

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

1.1 Product identifier

Product Name NEOCOL B – AEROSOL
Unique Formula Identifier (UFI) N800-D0QD-500W-D4HX

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 Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer Johnson and Allen Ltd
Company Identification Neocol Works
Address of Manufacturer Smithfield
Sheffield
Postal code S3 7AR
Telephone 0114 2738066
Fax 0114 2729842
E-mail info@johnsonandallen.co.uk
Office hours 08:30 - 17:00
Only representative

Company Identification DIMART S.r.l.
Address Via A. Einstein
13 Sedriano MI
Italy
Postal code 20018
Telephone +390290310207
Fax +390290310208

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

Regulation (EC) No. 1272/2008 (CLP) Aerosol 1 :Extremely flammable aerosol. Pressurised container: May burst if heated.
Asp. Tox. 1 :May be fatal if swallowed and enters airways.

2.2 Label elements

Product Name According to Regulation (EC) No. 1272/2008 (CLP)
NEOCOL B – AEROSOL

Hazard Pictogram(s)



Signal Word(s) Danger

Hazard Statement(s)

GHS02

GHS08

Danger

H222: Extremely flammable aerosol.

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.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211: Do not spray on an open flame or other ignition source.

P251: Do not pierce or burn, even after use.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor.

P331: Do NOT induce vomiting.

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

Unique Formula Identifier (UFI)

N800-D0QD-500W-D4HX

2.3 Other hazards

None.

2.4 Additional Information

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

NEOCOL B – AEROSOL**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Product as supplied: Aerosol.

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics	None assigned	920-107-4 / 01-2119453414-43-XXXX	>90	Asp. Tox. 1 H304 EUH066	GHS08
Carbon dioxide	124-38-9	204-696-9	1-10	Press. Gas (Comp.) H280	GHS04
Triiron tetraoxide	1317-61-9	215-277-5 / 01-2119457646-28-XXXX	<1	Not classified	None

Contains no non-classified vPvB substances or substances with a Union workplace exposure limit.
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.

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

Flammable aerosol. 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 firefighters

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.

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

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, 13.

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 spray on an open flame or other ignition source. Do not pierce or burn, even after use. Provide adequate ventilation. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke during work. Wash hands thoroughly after handling.

NEOCOL B – AEROSOL

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature Store locked up. Protect from sunlight.
Storage life Ambient. Do not expose to temperatures exceeding 50°C/ 122°F.
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).

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
Carbon dioxide	124-38-9	5000	9150	15000	27400	

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

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use with ventilation, local exhaust ventilation or breathing protection.

8.2.2. Personal protection equipment



Eye Protection Not normally required. Handling of larger amounts: Wear goggles giving complete eye protection.



Skin protection Wear protective clothing and gloves: Impervious gloves (EN 374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer.



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 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.
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

Physical state Aerosol
Colour Dark grey/Black (Shaken).
Odour Paraffinic.
Melting point/freezing point Not available.
Boiling point or initial boiling point and boiling range 235 - 270°C
Flammability Extremely flammable aerosol.
Lower and upper explosion limit Not available.
Flash Point Not applicable.
Auto-ignition temperature Not available.
Decomposition Temperature Not available.
pH Not available.
Kinematic Viscosity 3.2cSt @ 40°C
Solubility Solubility (Water): Immiscible with water.
Solubility (Other): Not known.
Partition coefficient n-octanol/water (log value) Not available.
Vapour pressure 0.015 mm Hg @ 20°C
Density and/or relative density Relative density: 0.82
Relative vapour density Not available.
Particle characteristics Not available.

NEOCOL B – AEROSOL

9.2 Other information

Explosive properties Pressurised container: May burst if heated.

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 products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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: LD50 (rabbit) > 5000 mg/kg (OECD 402).
Acute toxicity - Inhalation	Calculation method : Not classified. Low acute toxicity. Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics: LC50 (rat) (4 hours) > 4951 mg/m ³ (OECD 403).
Skin corrosion/irritation	Calculation method : Not classified. Non-irritant.
Serious eye damage/irritation	Calculation method : Not classified. Non-irritant.
Skin sensitization data	Calculation method : Not classified. It is not a skin sensitiser.
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.
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.

11.2 Information on other hazards

None.

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.

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 Endocrine disrupting properties

None known.

12.7 Other adverse effects

None.

NEOCOL B – AEROSOL

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.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

UN No. 1950

14.2 UN proper shipping name

UN proper shipping name AEROSOLS

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class 2
ADR Classification Code 5F
Special Provisions 190 327 344 625
Limited Quantities 1 L
Excepted Quantities E0

Emergency Action Code

Mixed Packing Instructions for Packages P207 LP200
Special Packing Provisions for Packages PP87 RR6 L2
Mixed Packing Instructions for Packages MP9

Packing Instructions for Portable Tanks

Special Provisions for Portable Tanks

Tank Code for Tanks

Special Provisions for Tanks

Vehicle for Tank Carriage

ADR Transport Category 2
Tunnel Restriction Code D
Special Provisions for Carriage - Packages V14

Special Provisions for Carriage - Bulk

Special Provisions for Carriage - Loading, Unloading and Handling CV9 CV12

Special Provisions for Carriage - Operation

Special Provisions for Carriage - Operation S2

ADR HIN

IMDG

IMDG Class 2
Special Provisions 190 327 344 625
Limited Quantities 1 L
Excepted Quantities E0

Mixed Packing Instructions for Packages P207 LP200

Special Packing Provisions for Packages PP87 RR6 L2

Packing Instructions for Portable Tanks

Special Provisions for Portable Tanks

IMDG EMS F-D, S-U

Stowage and Handling SW1 SW22

Segregation SG69

Marine Pollutant

ICAO/IATA

IATA Proper Shipping Name AEROSOLS

Excepted Quantities E0

Passenger and Cargo Aircraft Limited Quantities Packing Instructions Y203

Passenger and Cargo Aircraft Limited Quantities Max net Qty 30Kg

Passenger and Cargo Aircraft Packing Instructions 203

Passenger and Cargo Aircraft Max net Qty 75Kg

Cargo Aircraft Packing Instructions 203

Cargo Aircraft Max net Qty 150Kg

Special Provisions A145, A167, A802

Emergency Response Guidebook (ERG) Code 10L

Labels

Labels 2.1

NEOCOL B – AEROSOL



14.4 Packing group	
Packing group	None.
14.5 Environmental hazards	
Environmental hazards	Not classified as a Marine Pollutant.
14.6 Special precautions for user	
Special precautions for user	Not known.
14.7 Maritime transport in bulk according to IMO instruments	
	No information available

SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use	
Candidate List of Substances of Very High Concern for Authorisation	Not listed
REACH: ANNEX XIV list of substances subject to authorisation	Not listed
REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics (EC No. 920-107-4)
Community Rolling Action Plan (CoRAP)	Not listed
Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants	Not listed
Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer	Not listed
Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals	Not listed
National regulations	
Other	Not known.
15.2 Chemical Safety Assessment	
	Not applicable.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1, 2

LEGEND

Hazard Pictogram(s)



	GHS02	GHS08
Hazard classification	GHS04: GHS: Gas cylinder Aerosol 1 : Aerosol, Category 1 Press. Gas (Comp.) : Gases under pressure, Compressed gas	
Hazard Statement(s)	Asp. Tox. 1 : Aspiration hazard, Category 1 H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated. H280: Contains gas under pressure; may explode if heated. H304: May be fatal if swallowed and enters airways.	
Precautionary Statement(s)	EUH066: Repeated exposure may cause skin dryness or cracking. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211: Do not spray on an open flame or other ignition source. P251: Do not pierce or burn, even after use. P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor. P331: Do NOT induce vomiting. P405: Store locked up. P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F. P501: Dispose of contents in accordance with local, state or national legislation.	

NEOCOL B – AEROSOL

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE : Acute Toxicity Estimate
CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations
vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS Regulation (EC) No. 1272/2008 (CLP)

Disclaimers

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.