NEOASTRA FC - HYDROCARBON BASED FLUORESCENT INK CONCENTRATE

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	NEOASTRA FC - HYDROCARBON BASED FLUORESCENT INK CONCENTRATE.
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)	For use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2:2002). Dilution rate 50:1 with a suitable hydrocarbon carrier.
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	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

2.2.1 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name: NEOASTRA FC - HYDROCARBON BASED FLUORESCENT INK CONCENTRATE.

Hazard Pictogram

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 or doctor/physician. P331: Do NOT induce vomiting. P405: Store locked up. P501: Dispose of contents/container to: Licensed recycler.
2.2.2	**Label elements**	According to Directive 67/548/EEC & Directive 1999/45/EC
	Product Name	NEOASTRA FC - HYDROCARBON BASED FLUORESCENT INK CONCENTRATE.
	Hazard Symbol	 Xn
	Risk Phrases	R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking.
	Safety Phrases	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

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)
Distillates (petroleum), hydrotreated light; Kerosine — unspecified	>90	64742-47-8	265-149-8	01-2119453414-43-0001	GHS08, Asp. Tox. 1; H304, EUH066

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Distillates (petroleum), hydrotreated light; Kerosine — unspecified	>90	64742-47-8	265-149-8	01-2119453414-43-0001	Xn; R65, R66

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.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media	Extinguish preferably with dry chemical, foam or waterspray.
Unsuitable Extinguishing Media	None known.

5.2 Special hazards arising from the substance or mixture — Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide.

5.3 Advice for fire-fighters — Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

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, 13.

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

Store locked up.

Storage Temperature	Ambient. Keep at temperature not exceeding (°C): 50°C.
Storage Life	Stable under normal conditions.
Incompatible materials	Strong oxidising agents, Natural rubber, Polystyrene, Butyl rubber.

7.3 Specific end use(s)

For use in the Magnetic Particle Inspection Process (BS EN ISO 9934-2:2002). Dilution rate 50:1 with a suitable hydrocarbon carrier.

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/m³)	STEL (ppm)	STEL (mg/m³)	Note
Distillates (petroleum), hydrotreated light; Kerosine — unspecified	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.

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.

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.

Thermal hazards

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	Brown (Shaken).
Odour	Paraffinic.
Odour Threshold (ppm)	Not available.
pH (Value)	Not available.
Melting Point (°C)	Not available.
Boiling Point (°C)	Not available.
Flash Point (°C)	>100°C
Evaporation rate	Not applicable.
Flammability	Non-flammable.
Explosive limit ranges	Not applicable.
Vapour Pressure (mm Hg)	Not available.
Vapour Density (Air=1)	Not available.
Bulk Density (g/ml)	Not applicable.
Solubility (Water)	<0.10 wt%.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	>200°C
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity	Not available.
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, Butyl rubber, Polystyrene.
10.6	**Hazardous Decomposition Product(s)**	Carbon monoxide, Carbon dioxide.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Mixtures

Acute toxicity

Ingestion	Low oral toxicity. Distillates (petroleum), hydrotreated light; Kerosine — unspecified: LD50 (rat) : >15000mg/kg
Inhalation	Low acute toxicity. Distillates (petroleum), hydrotreated light; Kerosine — unspecified: LC50 (rat) 4hour(s) : >4951mg/m³

	Skin Contact	Low acute toxicity. Distillates (petroleum), hydrotreated light; Kerosine — unspecified: LD50 (rabbit) : >2000mg/kg
	Eye Contact	Low acute toxicity.
	Irritation	Repeated exposure may cause skin dryness or cracking.
	Corrosivity	Not classified.
	Sensitisation	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.
	Toxicity for reproduction	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. Distillates (petroleum), hydrotreated light; Kerosine — unspecified: 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.

14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1	**UN number**	Not applicable.
14.2	**UN 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.

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.
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
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
Asp. Tox. 1	Aspiration hazard Category 1
Xn	Harmful

Risk Phrases and Safety Phrases

R65	Flammable.
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

GHS08

Xn

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

No information available.