NEOASTRA FC - HYDROCARBON BASED FLUORESCENT INK CONCENTRATE

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 and SI 2020/1577

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

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	Not known.

1.3 Details of the supplier of the safety data sheet

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

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

GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567	Asp. Tox. 1 :May be fatal if swallowed and enters airways.

2.2 Label elements

According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1567

Product Name	NEOASTRA FC - HYDROCARBON BASED FLUORESCENT INK CONCENTRATE
Hazard Pictogram(s)	 GHS08
Signal Word(s)	Danger
Hazard Statement(s)	H304: May be fatal if swallowed and enters airways.
Precautionary Statement(s)	P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor. P331: Do NOT induce vomiting. P405: Store locked up. P501: Dispose of contents/container to: Licensed recycler.

2.3 Other hazards

None known.

2.4 Additional Information

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

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / Registration number(s)	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Distillates (petroleum), hydrotreated light	64742-47-8	265-149-8	>90	Asp. Tox. 1 H304	GHS08

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.

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

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 firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire.

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 release large quantities into the surface water or into drains.

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.

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6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide adequate ventilation. Avoid inhalation of high concentrations of vapours. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly 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.

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
						None assigned

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

8.2 Exposure controls

8.2.1. Appropriate engineering controls: Provide adequate ventilation.

8.2.2. Personal protection equipment

Eye Protection: Wear protective eye glasses for protection against liquid splashes.

Skin protection: Wear suitable gloves if prolonged skin contact is likely. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

Respiratory protection: Normally no personal respiratory protection is necessary. 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 release large quantities into the surface water or into drains.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
	Colour : Brown (Shaken).
Odour	Paraffinic.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	>100°C
Evaporation rate	Not known.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water) : <0.10 wt%.
	Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	>200°C
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information

None.

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.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Calculation method : Not classified.
	Low oral toxicity.
	Distillates (petroleum), hydrotreated light: LD50 (rat) >15000mg/kg
Acute toxicity - Skin Contact	Calculation method : Not classified.
	Low acute toxicity.
	Distillates (petroleum), hydrotreated light: LD50 (rabbit) >2000mg/kg
Acute toxicity - Inhalation	Calculation method : Not classified.
	Low acute toxicity.
	Distillates (petroleum), hydrotreated light: LC50 (rat) (4 hours) >4951mg/m³
Skin corrosion/irritation	Calculation method : Not classified.
	Non-irritant.
Serious eye damage/irritation	Calculation method : Not classified.
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.
	No evidence of reproductive effects.
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 Other information

Not known.

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: 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.

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12.6 Other adverse effects

None known.

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.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous 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 classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not known

SECTION 15: REGULATORY INFORMATION

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

United Kingdom Regulations - Authorisations and/or Restrictions On Use

UK REACH Candidate List of Substances of Very High Concern for Authorisation	Not listed
UK REACH Authorisation List (Annex XIV) list of substances subject to authorisation	Not listed
UK REACH Restrictions List (Annex XVII) Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Distillates (petroleum), hydrotreated light (64742-47-8)
UK REACH Rolling Action Plan (RAP)	Not listed
The Persistent Organic Pollutants Regulations 2007 (SI 2007/3106) as amended	Not listed

The Ozone-Depleting Substances and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019/583)	Not listed
The Prior Informed Consent (PIC) Regulations concerning the export and import of hazardous chemicals SI2008/2108 as amended	Not listed

European Regulations - Authorisations and/or Restrictions On Use

Community Rolling Action Plan (CoRAP)	Not listed

15.2 Chemical Safety Assessment

United Kingdom	Not applicable.

SECTION 16: OTHER INFORMATION

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

LEGEND

Hazard Pictogram(s)

GHS08

Hazard classification: Asp. Tox. 1 : Aspiration hazard, Category 1

Hazard Statement(s): H304: May be fatal if swallowed and enters airways.

Precautionary Statement(s):
P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
P331: Do NOT induce vomiting.
P405: Store locked up.
P501: Dispose of contents/container to: Licensed recycler.

Acronyms:
ATE : Acute Toxicity Estimate
CAS : Chemical Abstracts Service
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
vPvB : very Persistent and very Bioaccumulative

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Key literature references and sources for data used to compile the SDS	GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567
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