

Section 1. Product and Company Identification.

1.1 Model Number; 1.2 G61820
Description; Air Conditioning Fluorescing Leak Detection Dye - 12 Doses

1.3 Supplier ;
Force Products Ltd
Stock House, Seymour Road
Nuneaton, Warwickshire
CV11 4LB
Sales@forceproducts.co.uk

1.4 Emergency telephone number; 44 (0) 1284 757 500 (Office Hours)

Date of source compilation; 23 July 2015

Section 2. Hazards Identification.

2.1 Classification of the substance or mixture.
Carc. 2; H351. Acute Tox. 4; H302. Aquatic Acute 1; H400.

2.2 Label elements.
Hazard pictogram(s)



Signal Word. Warning

Hazard statements;

Xxx

Precautionary statements;

P308 + 313 IF exposed or concerned Get medical advice/attention.

P202 Do not handle until all safety precautions have been read and understood.

P362 Take off contaminated clothing and wash before reuse.

P281 Use personal protective equipment as required.

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation

2.3 Other hazards.

None identified.

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Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration	Classification	
			Hazard Class & Category Code	Hazard Statements
Naphthalene	91-20-3	< 10%	Carc. 2 Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Carc. Cat. 3; R40 Xn; R22 N; R50-53	H351 H302 H400 H410

For full text of Phrases and Statements, see Section 16.

Section 4. First Aid Measures.

4.1 Description of first aid measures

- EYE CONTACT:** Rinse immediately with plenty of running water while lifting the eyelids.
Seek medical attention immediately.
- SKIN CONTACT:** Wash with plenty of water and soap.
Immediately remove any contaminated clothing.
Ensure that contaminated clothing has been washed before reuse.
In case of irritation, seek medical advice.
- INGESTION:** If casualty is conscious, give copious quantities of water.
Get medical attention.
- INHALATION:** Remove to fresh air and keep casualty at rest.
Ensure that the casualty is in a suitable position so that they can breathe easily.
Get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Seek medical attention immediately when irritation or adverse effects have occurred following excessive exposure to the product or exposure to decomposition fumes.

Section 5. Fire Fighting Measures.

5.1. Extinguishing media

Carbon Dioxide, Chemical Powders, Foam, Sprayed Water Jet.

Use extinguishing measures that are suitable to the conditions surrounding the fire. Do not use water.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products; combustion of the product generates toxic fumes, gasses and irritants and are flammable. Decomposition products include carbon monoxide, sulphur oxides, nitrogen oxides and organic substances.

5.3. Advice for fire-fighters

Use respiratory protection, gloves and protective clothing.

Section 6. Accidental Release Measures.

6.1. Personal precautions, protective equipment and emergency procedures

Ensure good ventilation.

Handle in accordance with good hygiene and safety practices.

Wear the recommended protective equipment.

In case of emergency, prevent the dispersion of the product.

Separate material that may react with the product (oxidizing reagents and strong chemicals).

Remove sources of ignition.

Contain and identify the emergency area.

Product dispersed on the floor will create slippery conditions.

6.2. Environmental precautions

Prevent environmental contamination.

Prevent entry into drains, water and soil.

Do not allow contaminated water to enter drains.

6.3. Methods and material for containment and cleaning up

Contain dispersed product with plastic film or barrier function (sepiolite, sand or earth)

Collect product using suction means.

Wash contaminated area with water and collect contaminated materials in a sealed container (plastic or metal).

Dispose of in accordance with local authority regulations.

6.4. Reference to other sections

See Section 7 for information on Safe Handling

See Section 8 for information of Personal Protective Equipment.

See Section 13 for information on disposal.

Section 7. Handling and Storage.

7.1. Precautions for safe handling

Do not handle until all safety precautions have been read and understood.
Prevent contact with eyes and skin.
Do not drink, eat or smoke during use of the product.

7.2. Conditions for safe storage, including any incompatibilities

Store containers at temperatures between +5°C and +40°C.
Stir well before using or taking samples.

7.3. Specific end use(s)

Intended for use as Air Conditioning Fluorescing Leak Detection Dye: Model Number identified in 1.1 with Description stated in 1.2.

Section 8. Exposure Controls/Personal Protection.

8.1. Control parameters

P308 + 313 IF exposed or concerned Get medical advice/attention.
P202 Do not handle until all safety precautions have been read and understood.
P362 Take off contaminated clothing and wash before reuse.
P281 Use personal protective equipment as required.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national/international regulation

Occupational exposure limit values;

Naphthalene

TWA 79mg/m³ – 15ppm (short term)
52mg/m³ – 10ppm (long term)

8.2. Exposure controls

Appropriate Engineering Controls

Ensure good ventilation.
Avoid contact with eyes and skin.
Keep away from food, beverages and feed.

Eye/Face Protection

Chemical safety goggles (EN 166)

Skin Protection

PVC gloves (EN 374)
Wear suitable protective clothing to prevent skin contact.

Respiratory Protection

Mask with P2 gas filter

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Section 9. Physical and Chemical Properties.

9.1. Information on basic physical and chemical properties

The following information is not a technical specification or sales specification.

(a) Appearance:	Yellow, viscous liquid.
(b) Odour:	Characteristic of the product.
(c) Odour threshold;	No data available.
(d) pH:	No data available.
(e) Melting point/freezing point;	No data available.
(f) Initial boiling point and boiling range;	No data available.
(g) Flash point;	95°C.
(h) Evaporation rate;	No data available.
(i) Flammability (solid, gas);	No data available.
(j) Upper/lower flammability or explosive limits;	No data available.
(k) Vapour pressure;	No data available.
(l) Vapour density;	No data available.
(m) Relative density;	No data available.
(n) Solubility(ies);	Not soluble in water.
(o) Partition coefficient: n-octanol/water;	No data available.
(p) Auto-ignition temperature;	No data available.
(q) Decomposition temperature;	No data available.
(r) Viscosity;	No data available.
(s) Explosive properties;	No data available.
(t) Oxidising properties.	No data available.

9.2 Other information

The product does not contain COV / VOC (Volatile Organic Compound) substances.

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Section 10. Stability and Reactivity.

10.1. Reactivity	No data available.
10.2. Chemical stability	Stable in normal conditions.
10.3. Possibility of hazardous reactions	May occur if the mixture is brought into contact with strong oxidising agents. See also 6.1
10.4. Conditions to avoid	Do not heat the product beyond the limit of good operational practice.
10.5. Incompatible materials	The product can act violently in the presence of oxidants and in general with strong chemical reagents (acids, alkalis).
10.6. Hazardous decomposition products	Mixture decomposes during combustion, this gives rise to toxic fumes and gases. Decomposition products are irritant and flammable.

Section 11. Toxicological Information.

11.1. Information on toxicological effects	No information available.
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Section 12. Ecological Information.

12.1. Toxicity	No information available.
12.2. Persistence and degradability	Does not contain heavy metals in concentrations relevant to sewage pollution.
12.3. Bioaccumulative potential	No information available.
12.4. Mobility in soil	Product can permeate soil.
12.5. Results of PBT and vPvB assessment	Product is not, or does not contain, PBT or vPvB substances,
12.6. Other adverse effects	No information available.

Section 13. Disposal Considerations.

13.1. Waste treatment methods	Dispose of in accordance with local authority regulations. Do not dispose of product at landfill sites.
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Section 14. Transport Information.

ADR. International Carriage of Dangerous Goods by Road.

14.1. UN number	UN 3082
14.2. Name and Description	Environmentally hazardous substance, liquid, n.o.s (less than 10% Naphthalene)
	Label 9
	Special Provisions 274, 335, 375, 601
	Limited Quantities 5 L
	Excepted Quantities E1
	Packing Instructions P001, IBC03, LP01, R001
	Special Packaging Provisions MP19
14.3. Transport hazard class(es)	Class 9
	Classification Code M6
	Transport Category 3
	Tunnel restriction code E
14.4. Packing group	III
14.5. Environmental hazards	See Section 6
14.6. Special precautions for user	See Section 8

IATA. International Air Transport Association.

14.1. UN number	UN 3082
14.2. UN Proper Shipping Name/Description	Environmentally hazardous substance, liquid, n.o.s. (less than 10% Naphthalene)
	Hazard Label. Miscellaneous
	Excepted Quantity E1
	Packaging Instructions Passenger 964
	Ltd Qty Y964
	Cargo 964
	ERG Code 9L
	Special Provisions A97 A158 A197
14.3. Transport hazard class(es)	Class or Division 9
14.4. Packing group	III
14.5. Environmental hazards	See Section 6
14.6. Special precautions for user	See Section 8

IMDG. International Maritime Dangerous Goods.

14.1. UN number	UN 3082
14.2. UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s (less than 10% Naphthalene)
	Special Provisions 274, 335
	Limited Quantities 5 L
	Excepted Quantities E1
	Packaging Instructions P001, LP01
	Packing Provisions PP1
14.3. Transport hazard class(es)	Class or Division 9
	Subsidiary Risk(s) -
14.4. Packing group	III
14.5. Environmental hazards	See Section 6
14.6. Special precautions for user	See Section 8
14.7. Transport in bulk – Maritime only.	Bulk transport is not applicable to this product

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Section 15. Regulatory Information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EC 1272/2008 Classification, Labelling and Packaging.

The product does not contain any volatile organic compounds.

The product is not a mixture that increase greenhouse effect or dangerous to the ozone.

The product components do not fall within the criteria in Annex XIII of Regulation EC 1907/2006 for the classification of substances as PBT or vPvB, and are not substances defined as SVHC.

15.2. Chemical safety assessment

No information available.

Section 16. Additional Information.

Full text of Phrases and Statements used in Section 3;

H302 Harmful if swallowed.

H351 Suspected of causing cancer.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

R22 Harmful if swallowed.

R40 Limited evidence of a carcinogenic effect.

R50 Very toxic to aquatic organisms.

R53 May cause long-term adverse effects in the aquatic environment.

The above information is believed to be accurate and represents the best information currently available.

No warranty is expressed or implied by the above information.

We assume no liability resulting from use of the above information.

The end user should conduct their own investigations to determine the suitability of the above information for their particular purpose.

Issue level	Date	Revisions
1	31.07.09	First issue.
2	28.09.15	In accordance with EN 1272
3	22/10/15	Section 14
4	20/04/16	Sections 5, 8 and 14.

End of Safety Data Sheet.