SAFETY DATA SHEET
250/D125 - GLOCOTE FLUORESCENT PAINT (All colours)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name 250/D125 - GLOCOTE FLUORESCENT PAINT (All colours)

Product number 250/D125/ ALL COLOURS

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Fluorescent Paint

1.3. Details of the supplier of the safety data sheet

Supplier

COO-VAR
Lockwood Street
Hull
HU2 0HN
+44 (0) 1482 328053(T)
+44 (0) 1482 219266(F)
info@coo-var.co.uk

Contact person Technical Department -, 08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri, as above

1.4. Emergency telephone number

Emergency telephone +44 (0) 1482 328053 (08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226

Health hazards STOT SE 3 - H336

Environmental hazards Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC) R10,R52/53,R66,R67.

2.2. Label elements

Pictogram

Signal word Warning

Hazard statements H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements

P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P501 Dispose of contents/ container to …

Supplemental label information

EUH066 Repeated exposure may cause skin dryness or cracking.

Supplementary precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/ bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing vapour/ spray.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/ doctor if you feel unwell.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

LOW AROMATIC WHITE SPIRIT **10-30%**

CAS number: — EC number: 919-857-5 REACH registration number: 01-2119463258-33-XXXX

Classification
Flam. Liq. 3 - H226
STOT SE 3 - H336
Asp. Tox. 1 - H304

Classification (67/548/EEC or 1999/45/EC)
Xn;R65. R10,R66,R67.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) **10-30%**

CAS number: — EC number: 919-446-0 REACH registration number: 01-2119458049-33-XXXX

Classification
Flam. Liq. 3 - H226
STOT SE 3 - H336
STOT RE 1 - H372
Asp. Tox. 1 - H304
Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC)
Xn;R65. N;R51/53. R10,R66,R67.

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Calcium Carbonate **10-30%**

CAS number: 1317-65-3 EC number: 215-279-6

Classification
Not Classified

Classification (67/548/EEC or 1999/45/EC)
-

Diatomaceous Earth **1-5%**

CAS number: 61790-53-2 EC number: 310-127-6

Classification
Not Classified

Classification (67/548/EEC or 1999/45/EC)
-

Titanium Dioxide **<1%**

CAS number: 13463-67-7 EC number: 236-675-5 REACH registration number: 01-2119489379-17-xxxx

Classification
Not Classified

Classification (67/548/EEC or 1999/45/EC)
-

Cobalt containing polymer **<1%**

CAS number: —

Classification
Not Classified

C.I. BASIC VIOLET 11:1 (tetrachlorozincate) **<1%**

CAS number: 73398-89-7 EC number: 277-459-0

Classification
Acute Tox. 3 - H301
Acute Tox. 3 - H331
Eye Dam. 1 - H318
Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC)
T;R23. Xn;R22. Xi;R41. N;R51/53.

2-BUTANONE OXIME **<1%**

CAS number: 96-29-7 EC number: 202-496-6 REACH registration number: 01-2119539477-28

Classification
Acute Tox. 4 - H312
Eye Dam. 1 - H318
Skin Sens. 1 - H317
Carc. 2 - H351

Classification (67/548/EEC or 1999/45/EC)
Carc. Cat. 3;R40 Xn;R21 R43 Xi;R41

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2-METHYLPENTANE-2,4-DIOL **<1%**

CAS number: 107-41-5 EC number: 203-489-0

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319

Classification (67/548/EEC or 1999/45/EC)
Xi;R36/38

ZIRCONIUM SALT, 2-ETHYLHEXANOIC ACID **<1%**

CAS number: 22464-99-9 EC number: 245-018-1 REACH registration number: 01-2119979088-21-0002

Classification
Repr. 2 - H361d

Classification (67/548/EEC or 1999/45/EC)
Repr. Cat. 3;R63.

Low Aromatic White Spirit **<1%**

CAS number: 64742-48-9 EC number: 265-150-3 REACH registration number: 01-2119457273-39

Classification
Flam. Liq. 3 - H226
Asp. Tox. 1 - H304

Classification (67/548/EEC or 1999/45/EC)
Xn;R65. R10,R66.

PHTHALIC ANHYDRIDE **<1%**

CAS number: 85-44-9 EC number: 201-607-5 REACH registration number: 01-2119457017-41-0000

Classification
Acute Tox. 4 - H302
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Resp. Sens. 1 - H334
Skin Sens. 1 - H317
STOT SE 3 - H335

Classification (67/548/EEC or 1999/45/EC)
Xn;R22 R42/43 Xi;R37/38,R41

FORMALDEHYDE ...% **<1%**

CAS number: 50-00-0 EC number: 200-001-8 REACH registration number: 01-2119488953-20-0000

Classification
Acute Tox. 3 - H301
Acute Tox. 3 - H311
Acute Tox. 3 - H331
Skin Corr. 1B - H314
Skin Sens. 1 - H317
Muta. 2 - H341
Carc. 1B - H350

Classification (67/548/EEC or 1999/45/EC)
Carc. Cat. 3;R40 T;R23/24/25 C;R34 R43

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ZIRCONIUM PROPIONATE			**<1%**
CAS number: 84057-80-7	EC number: 281-897-8	REACH registration number: 01-2119978305-30-0000	
Classification		**Classification (67/548/EEC or 1999/45/EC)**	
Not Classified		-	

2,6-Di-tert-butyl-p-cresol			**<1%**
CAS number: 128-37-0	EC number: 204-881-4	REACH registration number: 01-2119565113-46-xxxx	
M factor (Acute) = 1			
Classification		**Classification (67/548/EEC or 1999/45/EC)**	
Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		N;R50/53.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person.

Inhalation Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. Place unconscious person on their side in the recovery position and ensure breathing can take place.

Ingestion DO NOT induce vomiting. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

General information Get medical attention promptly if symptoms occur after washing.

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

Notes for the doctor No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Toxic gases or vapours. FLAMMABLE. Solvent vapours may form explosive mixtures with air.

5.3. Advice for firefighters

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Protective actions during firefighting Risk of re-ignition after fire has been extinguished. Cool containers exposed to flames with water until well after the fire is out. Avoid the spillage or runoff entering drains, sewers or watercourses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Observe any occupational exposure limits for the product or ingredients. Avoid inhalation of vapours and spray/mists. Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Do not eat, drink or smoke when using the product. The Manual Handling Operations Regulations may apply to the handling of containers of this product. To assist employers, the following method of calculating the weight for any pack size is given. Take the pack size volume in litres and multiply this figure by the specific gravity value given in section 9. This will give the net weight of the coating in kilograms. Allowance will then have to be made for the immediate packaging to give an approximate gross weight.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in closed original container at temperatures between 5°C and 25°C. Keep away from heat, sparks and open flame. Keep container tightly closed. Keep containers upright. Store away from the following materials: Oxidising materials. Alkalis. Acids.

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Storage class Flammable liquid storage. The storage and use of this product is subject to the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: DSEAR. Up to 250 litres of liquids with a flashpoint above 32C but below 55C may be kept in a workroom provided they are kept in closed containers in a marked, fire-resisting cupboard or bin. Larger quantities must be kept in a separate , marked storeroom conforming to the structural requirements contained in the HSE guidance note Storage of Flammable Liquids in Containers.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Long-term exposure limit (8-hour TWA): WEL 350 mg/m³

Calcium Carbonate

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust
Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

Diatomaceous Earth

Long-term exposure limit (8-hour TWA): WEL 1.2 mg/m³ respirable dust

Titanium Dioxide

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust
Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

C.I. BASIC VIOLET 11:1 (tetrachlorozincate)

Long-term exposure limit (8-hour TWA): WEL 2 ppm 2.5 mg/m³
Short-term exposure limit (15-minute): WEL 2 ppm 2.5 mg/m³

2-METHYLPENTANE-2,4-DIOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m³
Short-term exposure limit (15-minute): WEL 25 ppm 123 mg/m³

ZIRCONIUM SALT, 2-ETHYLHEXANOIC ACID

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³
Short-term exposure limit (15-minute): WEL 10 mg/m³

Low Aromatic White Spirit

Long-term exposure limit (8-hour TWA): WEL 1000 mg/m³

PHTHALIC ANHYDRIDE

Long-term exposure limit (8-hour TWA): WEL 4 mg/m3(Sen)
Short-term exposure limit (15-minute): WEL 12 mg/m3(Sen)

FORMALDEHYDE ...%

Long-term exposure limit (8-hour TWA): WEL 2 ppm 2.5 mg/m³
Short-term exposure limit (15-minute): WEL 2 ppm 2.5 mg/m³

ZIRCONIUM PROPIONATE

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Long-term exposure limit (8-hour TWA): WEL 5 mg/m³
Short-term exposure limit (15-minute): WEL 10 mg/m³

2,6-Di-tert-butyl-p-cresol

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³
WEL = Workplace Exposure Limit

LOW AROMATIC WHITE SPIRIT

DNEL
Consumer - Dermal; Long term systemic effects: 300 mg/kg/day
Consumer - Oral; Long term systemic effects: 300 mg/kg/day
Industry - Inhalation; Long term systemic effects: 1500 mg/m³
Industry - Dermal; Long term systemic effects: 300 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 900 mg/m³

PNEC
No PNEC available. Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for the risk assessment of this complex substance.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

DNEL
Consumer - Oral; Long term systemic effects: 26 mg/kg/day
Consumer - Dermal; Long term systemic effects: 26 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 71 mg/m³
Consumer - Inhalation; Short term systemic effects: 570 mg/m³
Industry - Inhalation; Short term systemic effects: 570 mg/m³
Industry - Inhalation; Long term systemic effects: 330 mg/m³
Industry - Dermal; Long term systemic effects: 44 mg/kg/day

PNEC
No PNEC available. Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for the risk assessment of this complex substance.

Titanium Dioxide (CAS: 13463-67-7)

DNEL
Industry - Inhalation; Long term local effects: 10 mg/m³
Consumer - Oral; Long term systemic effects: 700 mg/kg/day

PNEC
- Fresh water; 0.184 mg/l
- Marine water; 0.0184 mg/l
- Sediment (Freshwater); >=1000 mg/kg
- Sediment (Marinewater); >=100 mg/kg
- Soil; 100 mg/kg
- STP; 100 mg/kg

2,6-Di-tert-butyl-p-cresol (CAS: 128-37-0)

DNEL
Industry - Dermal; : 0.5 mg/kg/day
Industry - Inhalation; : 3.5 mg/kg/day

PNEC
- Fresh water; 0.000199 mg/l
- Sediment; 0.0996 mg/l
- Soil; 0.04769 mg/l
- Marine water; 0.0000199 mg/l

8.2. Exposure controls

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Protective equipment

Appropriate engineering controls	Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.
Eye/face protection	Wear chemical splash goggles.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.
Other skin and body protection	Wear appropriate clothing to prevent reasonably probable skin contact.
Hygiene measures	No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Brightly coloured Viscous liquid.
Colour	Orange. Red. Pink. Green. Yellow.
Odour	Organic solvents.
pH	Not applicable.
Initial boiling point and range	Not determined.
Flash point	37 approx.°C CC (Closed cup).
Upper/lower flammability or explosive limits	: 0.8
Vapour pressure	Not determined.
Vapour density	heavier than air
Relative density	1.12 approx. @ @ 20°C
Solubility(ies)	Insoluble in water
Decomposition Temperature	Not determined.
Viscosity	3.5 (Rotothinner) P @ 25°C

9.2. Other information

Volatility	56.5
Volatile organic compound	This product contains a maximum VOC content of 450 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

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Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not determined.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Acids. Oxidising agents.

10.5. Incompatible materials

Materials to avoid Strong alkalis. Strong acids. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation Vapour from this product may be hazardous by inhalation. Vapour may irritate respiratory system/lungs.

Ingestion Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

Skin contact Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking. May cause allergic contact eczema. Prolonged or repeated exposure may cause severe irritation.

Eye contact May cause temporary eye irritation.

Acute and chronic health hazards This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Route of entry Inhalation Skin absorption. Ingestion. Skin and/or eye contact.

Medical considerations Skin disorders and allergies. Avoid vomiting and stomach flushing because of the risk of aspiration.

Toxicological information

LOW AROMATIC WHITE SPIRIT

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,100.0
Species	Rat
ATE oral (mg/kg)	5,100.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	5,100.0

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Species	Rabbit
ATE dermal (mg/kg)	5,100.0
Acute toxicity - inhalation	
Acute toxicity inhalation (LC_{50} vapours mg/l)	5,100.0
Species	Rat
ATE inhalation (vapours mg/l)	5,100.0
Skin corrosion/irritation	
Skin corrosion/irritation	Not irritating.
Serious eye damage/irritation	
Serious eye damage/irritation	Not irritating.
Respiratory sensitisation	
Respiratory sensitisation	Not sensitising.
Skin sensitisation	
Skin sensitisation	Not sensitising.
Germ cell mutagenicity	
Genotoxicity - in vitro	Chromosome aberration: Negative. This substance has no evidence of mutagenic properties.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
Reproductive toxicity	
Reproductive toxicity - fertility	Fertility: - , Inhalation, Rat This substance has no evidence of toxicity to reproduction.
Reproductive toxicity - development	Developmental toxicity: - : , Inhalation, Rat This substance has no evidence of toxicity to reproduction.
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	Not available.
Aspiration hazard	
Aspiration hazard	Kinematic viscosity <= 20.5 mm2/s.

Inhalation	Vapours may cause drowsiness and dizziness. Central nervous system depression.
Ingestion	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
Skin contact	Product has a defatting effect on skin. May cause allergic contact eczema.
Eye contact	No specific health hazards known.
Route of entry	Inhalation Dermal

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

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Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	15,000.0
Species	Rat
Notes (oral LD_{50})	Conclusive data but not sufficient for classification.

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	3,400.0
Species	Rabbit
Notes (dermal LD_{50})	Conclusive data but not sufficient for classification.

Skin corrosion/irritation

Animal data	Erythema/eschar score: Very slight erythema - barely perceptible (1). Oedema score: Very slight oedema - barely perceptible (1). Not irritating.
Extreme pH	Not irritating. Not corrosive to skin.

Serious eye damage/irritation

Serious eye damage/irritation	Not irritating.

Respiratory sensitisation

Respiratory sensitisation	There is evidence that the material can lead to respiratory hypersensitivity.

Skin sensitisation

Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. Buehler test - Guinea pig: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro	Bacterial reverse mutation test: Negative.
Genotoxicity - in vivo	Chromosome aberration: Negative.

Carcinogenicity

Carcinogenicity	NOAEL 300 mg/kg, Oral, Rat There is no evidence that the product can cause cancer.

Reproductive toxicity

Reproductive toxicity - fertility	One-generation study - NOAEL >3000 mg/kg/day, Oral, Rat P This substance has no evidence of toxicity to reproduction.
Reproductive toxicity - development	Developmental toxicity: - NOAEC: >300 ppm, Inhalation, Rat Read-across data. This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure	Central nervous system depression including narcotic effects such as drowsiness, narcosis, reduced alertness, loss of reflexes, lack of coordination and vertigo.
Target organs	Central nervous system

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	NOAEL 1056 mg/kg, Oral, Rat

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Aspiration hazard

Aspiration hazard	Kinematic viscosity <= 20.5 mm2/s.
Inhalation	Vapours may cause drowsiness and dizziness.
Ingestion	Harmful: may cause lung damage if swallowed. May cause stomach pain or vomiting.
Skin contact	May cause defatting of the skin, but is not an irritant. Not a skin sensitiser.
Eye contact	No specific health hazards known.
Route of entry	Skin and/or eye contact. Inhalation
Target organs	Central nervous system

SECTION 12: Ecological Information

Ecotoxicity The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Ecotoxicity Dangerous for the environment if discharged into watercourses.

12.1. Toxicity

LOW AROMATIC WHITE SPIRIT

Acute toxicity - fish	LC50, > 96 hours: 1000 mg/l, Onchorhynchus mykiss (Rainbow trout) Substance did not cause acute toxicity to fish
Acute toxicity - aquatic invertebrates	Substance did not cause acute toxicity to the freshwater invertebrates EC_{50}, 48 hours: >1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, > 72 hours: 1000 mg/l, Freshwater algae Substance did not cause acute toxicity to the freshwater green algae
Acute toxicity - microorganisms	EC_{50}, >: 100 mg/l, Activated sludge
Chronic toxicity - fish early life stage	NOEC, 28 days: 0.131 mg/l, Onchorhynchus mykiss (Rainbow trout)
Chronic toxicity - aquatic invertebrates	NOEC, 28 days: 0.23 mg/l, Daphnia magna

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Toxicity	Dangerous for the environment if discharged into watercourses Toxic to aquatic organisms
Acute toxicity - fish	LC_{50}, 96 hours: 10 - 30 mg/l, Onchorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 10 - 22 mg/l, Daphnia magna

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Acute toxicity - aquatic plants	IC_{50}, 72 hours: 4.6 - 10 mg/l, Pseudokirchneriella subcapitata
Acute toxicity - microorganisms	EC_{50}, 48 hours: 43.98 mg/l, Activated sludge
Chronic toxicity - fish early life stage	NOEC, 28 days: 0.13 mg/l, Freshwater fish
Chronic toxicity - aquatic invertebrates	NOEC, < 21 days: 0.28 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability The product is not expected to be biodegradable.

LOW AROMATIC WHITE SPIRIT

Persistence and degradability	The product is readily biodegradable.
Phototransformation	Oxidises rapidly by photo-chemical reactions in air
Biodegradation	- 80 Degradation (%): 28 days Test - 301F Ready Biodegradability - Manometric Respiratory Test

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Persistence and degradability	The product is readily biodegradable.
Phototransformation	Scientifically unjustified.
Stability (hydrolysis)	Scientifically unjustified.
Biodegradation	- Degradation 75: 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential The product contains potentially bioaccumulating substances.

LOW AROMATIC WHITE SPIRIT

Bioaccumulative potential	The product contains potentially bioaccumulating substances.
Partition coefficient	log Pow: 5 - 6.7

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Bioaccumulative potential	Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.
Partition coefficient	Technically not feasible.

12.4. Mobility in soil

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

LOW AROMATIC WHITE SPIRIT

250/D125 - GLOCOTE FLUORESCENT PAINT (All colours)

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. Readily absorbed into soil.

Adsorption/desorption coefficient Not available.

Surface tension 24.5 mN/m @ 20°C

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Adsorption/desorption coefficient Scientifically unjustified.

Henry's law constant Volatilisation is dependent on Henry's Law constant (HLC) which is not applicable to complex substances.

Surface tension 24 - 27 mN/m @ 25°C

12.5. Results of PBT and vPvB assessment

LOW AROMATIC WHITE SPIRIT

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.

LOW AROMATIC WHITE SPIRIT

Other adverse effects Not known.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Other adverse effects This substance may contribute to ozone formation in the near surface atmosphere. However, the photochemical formation of ozone depends on a complex interaction of other atmospheric pollutant sources and environmental conditions. Therefore, the contribution of this substance to ozone formation is outside the scope of this substance assessment and is more appropriately addressed via EU air quality directives.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Avoid the spillage or runoff entering drains, sewers or watercourses.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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Waste class When this coating, in its liquid state, as supplied, becomes a waste, it is categorised as hazardous waste, with code 08 01 11* (SOLVENT BASED LIQUID WASTE). Part-used containers, not drained and/or rigorously scraped out and containing dried residues of the supplied coating, are categorised as hazardous waste, with code 08 01 11* (SOLVENT BASED LIQUID WASTE). If mixed with other wastes, the above waste code may not be applicable. Used containers, drained and/or rigorously scraped out and containing dry residues of the supplied coating, are categorised as non-hazardous waste, with code 15 01 02 (plastic packaging) or 15 01 04 (metal packaging).

SECTION 14: Transport information

General This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG.

14.1. UN number

UN No. (ADR/RID) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID) PAINT

Proper shipping name (IMDG) PAINT

Proper shipping name (ICAO) PAINT

Proper shipping name (ADN) PAINT

14.3. Transport hazard class(es)

ADR/RID class 1263

IMDG class 3

ICAO class/division 3

Transport labels

14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS F-E, S-E

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Tunnel restriction code (D/E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance Workplace Exposure Limits EH40.
CHIP for everyone HSG228.
Safety Data Sheets for Substances and Preparations.
Approved Classification and Labelling Guide (Sixth edition) L131.
Dangerous Substances and Explosive Atmospheres Regulations 2002 [L138]

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments Issued in new format for Reach compliance in accordance with EC 1272/2008 Issued in accordance with Annex II to REACH, as amended by Commission Regulation (EU) No. 453/2010 Update for CLP labelling.

Issued by Technical Dept. (P.E.)

Revision date 16/02/2015

Revision 8

Supersedes date 05/06/2014

SDS number 10584

SDS status Approved.

Signature Initials_____

250/D125 - GLOCOTE FLUORESCENT PAINT (All colours)

Risk phrases in full

Not classified.
R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R21 Harmful in contact with skin.
R22 Harmful if swallowed.
R23 Toxic by inhalation.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R34 Causes burns.
R36/37/38 Irritating to eyes, respiratory system and skin.
R36/38 Irritating to eyes and skin.
R37 Irritating to respiratory system.
R40 Limited evidence of a carcinogenic effect.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63 Possible risk of harm to the unborn child.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.