



SAFETY DATA SHEET

140/G119 - LOW ODOUR LINEMARKING PAINT - BLACK & RED & MISC. COLOURS

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

1.1. Product identifier

Product name 140/G119 - LOW ODOUR LINEMARKING PAINT - BLACK & RED & MISC. COLOURS

Product number 140/G119/2 & 24 & misc. colours

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

Identified uses 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)

SDS No. 11029

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 Not Classified

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

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.

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Precautionary statements	P271 Use only outdoors or in a well-ventilated area. 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

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

LOW AROMATIC WHITE SPIRIT	30-60%
CAS number: —	EC number: 919-857-5
	REACH registration number: 01-2119463258-33-XXXX
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226	Xn;R65. R10,R66,R67.
STOT SE 3 - H336	
Asp. Tox. 1 - H304	
Calcium Carbonate	10-30%
CAS number: 1317-65-3	EC number: 215-279-6
Classification	Classification (67/548/EEC or 1999/45/EC)
Not Classified	-
Barium Sulphate	10-30%
CAS number: 7727-43-7	EC number: 231-784-4
	REACH registration number: 01-2119491274-35-0001
Classification	Classification (67/548/EEC or 1999/45/EC)
Not Classified	-

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Potassium Aluminium Silicate				5-10%
CAS number: 12001-26-2				
Classification		Classification (67/548/EEC or 1999/45/EC)		
Not Classified		-		
Carbon Black				1-5%
CAS number: 1333-86-4	EC number: 215-609-9		REACH registration number: 01-2119384822-32	
Classification		Classification (67/548/EEC or 1999/45/EC)		
Not Classified		-		
Organoclay				1-5%
CAS number: 68953-58-2	EC number: 273-219-4			
Classification		Classification (67/548/EEC or 1999/45/EC)		
Not Classified		-		

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

Notes for the doctor	No specific recommendations.
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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.
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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.
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5.3. Advice for firefighters

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 Avoid 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. Provide adequate ventilation. Avoid inhalation of vapours. Avoid spilling, skin and eye contact. 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 containers upright. Store in tightly-closed, original container. 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

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

Barium Sulphate

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

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

Potassium Aluminium Silicate

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

Long-term exposure limit (8-hour TWA): WEL 0.8 mg/m³ respirable dust

Carbon Black

Long-term exposure limit (8-hour TWA): WEL 3,5 mg/m³

Short-term exposure limit (15-minute): WEL 7 mg/m³

Organoclay

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

WEL = Workplace Exposure Limit

LOW AROMATIC WHITE SPIRIT

DNEL

Consumer - Inhalation; Long term systemic effects: 900 mg/m³

Industry - 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

Consumer - Dermal; Long term systemic effects: 300 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.

Chlorinated Paraffin 48 (CAS: 63449-39-8)

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DNEL Industry - Inhalation; Long term systemic effects: 2.35 mg/m³
 Industry - Dermal; Long term systemic effects: 20 mg/kg/day
 Consumer - Oral; Long term systemic effects: 0.167 mg/kg/day
 Consumer - Dermal; Long term systemic effects: 8.3 mg/kg/day

PNEC - Fresh water; 0.003 mg/l
 - Marine water; 0.001 mg/l
 - STP; 60 mg/l
 - Sediment (Freshwater); 5710 mg/kg
 - Soil; 4640 mg/kg

Carbon Black (CAS: 1333-86-4)

DNEL Consumer - Inhalation; Long term systemic effects: 2 mg/m³

PNEC - Fresh water; 5 mg/l
 - Marine water; 5 mg/l

8.2. Exposure controls

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

To protect hands from chemicals, gloves should comply with European Standards EN388 and 374. As a general principle, exposure should be managed by means other than the provision of protective gloves. Manufacturer's performance data suggest that the optimum glove for use should be: Polyethylene. Thickness: ≥ 0.062 mm or Polyvinyl alcohol (PVA). Thickness: 0.2 - 0.3 mm Permeation breakthrough time according to EN374 - class: (1-6) e.g. minimum 480 mins. Caution: The performance of gloves under actual working conditions can be significantly affected by many factors and the information provided according to EN374 may not accord with what is achieved in practice. We recommend that expert professional advice is sought that takes into account of the work processes and working environment applicable for each task where gloves are to be worn.

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

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P3).

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Viscous liquid. Coloured liquid.
Colour Black. or Red. or Various colours.
Odour Slight. Organic solvents.

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Flash point 36°C CC (Closed cup).

Upper/lower flammability or explosive limits : 0.6 - 7% approximate

Vapour density heavier than air

Relative density 1.29 @ @ 20°C

Solubility(ies) Slightly soluble in water.

Viscosity 7 - 9 P @ 25 C°C

9.2. Other information

Volatility 61

Volatile organic compound This product contains a maximum VOC content of 475 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

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.

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

Toxicological information

Toxicological information on ingredients.

LOW AROMATIC WHITE SPIRIT

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,100.0

Species Rat

ATE oral (mg/kg) 5,100.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 5,100.0

Species Rabbit

ATE dermal (mg/kg) 5,100.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ 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.

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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

SECTION 12: Ecological Information

Ecotoxicity The product is not expected to be hazardous to the environment.

12.1. Toxicity

Ecological information on ingredients.

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
EC₅₀, 48 hours: >1000 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, > 72 hours: 1000 mg/l, Freshwater algae
Substance did not cause acute toxicity to the freshwater green algae

Acute toxicity - microorganisms EC₅₀, >: 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

12.2. Persistence and degradability

Persistence and degradability The product is not expected to be biodegradable. The product contains mainly inorganic substances which are not biodegradable. The other substances in the product are expected to be readily biodegradable. Volatile substances are degraded in the atmosphere within a few days.

Ecological information on ingredients.

LOW AROMATIC WHITE SPIRIT

Persistence and degradability The product is readily biodegradable.

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Phototransformation	Oxidises rapidly by photo-chemical reactions in air
Biodegradation	- 80 Degradation (%): 28 days Test - 301F Ready Biodegradability - Manometric Respiratory Test

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Ecological information on ingredients.

LOW AROMATIC WHITE SPIRIT

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

12.4. Mobility in soil

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

Ecological information on ingredients.

LOW AROMATIC WHITE SPIRIT

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

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

LOW AROMATIC WHITE SPIRIT

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.

Ecological information on ingredients.

LOW AROMATIC WHITE SPIRIT

Other adverse effects Not known.

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

14.2. UN proper shipping name

Proper shipping name (ADR/RID) PAINT PRODUCT

Proper shipping name (IMDG) PAINT PRODUCT

Proper shipping name (ICAO) PAINT PRODUCT

Proper shipping name (ADN) PAINT PRODUCT

14.3. Transport hazard class(es)

ADR/RID class 3

IMDG class 3

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS F-E, S-E

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.

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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 Amendment to Section 8.2, recommendations for respiratory protective equipment and hand protection.
Issued by	Technical Dept. (P.E.)
Revision date	16/06/2017
Revision	4.1
Supersedes date	31/03/2015
SDS number	11029
SDS status	Approved.
Risk phrases in full	Not classified. R10 Flammable. 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. H304 May be fatal if swallowed and enters airways. H336 May cause drowsiness or dizziness.
Signature	Initials _____

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.