

SAFETY DATA SHEET LM/V601 - FOUR HOUR TINTED GOLDSIZE

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name LM/V601 - FOUR HOUR TINTED GOLDSIZE
Product No. LM/V601/18

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

Identified uses Gilding Size

1.3. Details of the supplier of the safety data sheet

Supplier WRIGHTS OF LYMM LTD.
T/A C.F. STONEHOUSE & SON
WARRINGTON LANE
LYMM
CHESHIRE
WA13 0SA
01925 752226
01925 757569
info@wrightsoflymm.co.uk
Contact Person Sales Department - 9.00 to 17.00 hrs Mon - Fri. as above

1.4. Emergency telephone number

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Flam. Liq. 3 - H226
Human health EUH066;STOT SE 3 - H336
Environment Aquatic Chronic 2 - H411

Classification (1999/45/EEC)

N;R51/53. R10, R66, R67.

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

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word Warning

Hazard Statements

H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P102 Keep out of reach of children.
P101 If medical advice is needed, have product container or label at hand.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.

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| | | |
|--|--------------|--|
| Supplementary Precautionary Statements | P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| | P501A | Dispose of contents/container to special waste collection point |
| Supplementary Precautionary Statements | P210 | Keep away from heat/sparks/open flames/hot surfaces. - 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. |
| | P370+378 | In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction. |
| | P303+361+353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| | P304+340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| | P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| | P391 | Collect spillage. |
| | P403+233 | Store in a well-ventilated place. Keep container tightly closed. |
| | P403+235 | Store in a well-ventilated place. Keep cool. |
| | P405 | Store locked up. |
| Supplemental label information | EUH066 | Repeated exposure may cause skin dryness or cracking. |
| | EUH208 | Contains 2-BUTANONE OXIME, Cobalt containing polymer. May produce an allergic reaction. |

2.3. Other hazards**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

| | | | |
|-------------------------------|-------------------|--|--------|
| WHITE SPIRIT | | | 30-60% |
| CAS-No.: | EC No.: 919-446-0 | Registration Number: 01-2119458049-33-XXXX | |
| Classification (EC 1272/2008) | | Classification (67/548/EEC) | |
| Flam. Liq. 3 - H226 | | Xn;R65. | |
| EUH066 | | N;R51/53. | |
| STOT SE 3 - H336 | | R10,R66,R67. | |
| Asp. Tox. 1 - H304 | | | |
| Aquatic Chronic 2 - H411 | | | |
| Low Aromatic White Spirit | | | 1-5% |
| CAS-No.: | EC No.: 919-857-5 | Registration Number: 01-2119463258-33-XXXX | |
| Classification (EC 1272/2008) | | Classification (67/548/EEC) | |
| Flam. Liq. 3 - H226 | | Xn;R65. | |
| EUH066 | | R10,R66,R67. | |
| STOT SE 3 - H336 | | | |
| Asp. Tox. 1 - H304 | | | |

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| | | | |
|--|-------------------|--|------|
| Yellow Iron Oxide | | | 1-5% |
| CAS-No.: 51274-00-1 | EC No.: | Registration Number: 01-2119454754-33-xxxx | |
| Classification (EC 1272/2008) Not classified. | | Classification (67/548/EEC) Not classified. | |
| Hydrocarbons, C9, aromatics | | | 1-5% |
| CAS-No.: | EC No.: 918-668-5 | Registration Number: 01-2119455851-35-xxxx | |
| Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411 | | Classification (67/548/EEC) Xn;R65. Xi;R37. N;R51/53. R10,R66,R67. | |
| C.I. Pigment Yellow 74 | | | 1-5% |
| CAS-No.: 6358-31-2 | EC No.: 228-768-4 | | |
| Classification (EC 1272/2008) Not classified. | | Classification (67/548/EEC) Not classified. | |
| 2-BUTANONE OXIME | | | <1% |
| CAS-No.: 96-29-7 | EC No.: 202-496-6 | Registration Number: 01-2119539477-28 | |
| Classification (EC 1272/2008) Acute Tox. 4 - H312 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 2 - H351 | | Classification (67/548/EEC) Carc. Cat. 3;R40 Xn;R21 R43 Xi;R41 | |
| Cobalt containing polymer | | | <1% |
| CAS-No.: | EC No.: | | |
| Classification (EC 1272/2008) Skin Sens. 1 - H317 | | Classification (67/548/EEC) R43. | |
| 2-METHYLPENTANE-2,4-DIOL | | | <1% |
| CAS-No.: 107-41-5 | EC No.: 203-489-0 | | |
| Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 | | Classification (67/548/EEC) Xi;R36/38 | |

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| | | | |
|-------------------------------|-------------------|--|-------|
| XYLENE, MIXED ISOMERS | | | <0.1% |
| CAS-No.: 1330-20-7 | EC No.: 215-535-7 | Registration Number: 01-2119488216-32-xxxx | |
| Classification (EC 1272/2008) | | Classification (67/548/EEC) | |
| Flam. Liq. 3 - H226 | | Xn;R20/21,R65. | |
| Acute Tox. 4 - H312 | | Xi;R36/37/38. | |
| Acute Tox. 4 - H332 | | R10. | |
| Skin Irrit. 2 - H315 | | | |
| Eye Irrit. 2 - H319 | | | |
| STOT SE 3 - H335 | | | |
| STOT RE 2 - H373 | | | |
| Asp. Tox. 1 - H304 | | | |

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

General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious.

Inhalation

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues. Place unconscious person on the side in the recovery position and ensure breathing can take place.

Ingestion

DO NOT induce vomiting. Get medical attention immediately. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.

Skin contact

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

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. 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

If adverse symptoms develop as described the casualty should be transferred to hospital as soon as possible.

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

No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media**

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

Unusual Fire & Explosion Hazards

FLAMMABLE. Solvent vapours may form explosive mixtures with air.

Specific hazards

When heated and in case of fire, harmful vapours/gases may be formed.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Be aware of danger for fire to re-start. Cool containers exposed to flames with water until well after the fire is out. Do not allow runoff to sewer, waterway or ground.

Protective equipment for fire-fighters

Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

LM/V601 - FOUR HOUR TINTED GOLDSIZE**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Do not smoke, use open fire or other sources of ignition. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Should be prevented from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4. Reference to other sections

For personal protection, see section 8.

SECTION 7: HANDLING AND STORAGE**7.1. Precautions for safe handling**

Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist. Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted 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

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

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 32°C but below 55°C 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)

The identified uses for this product are detailed in Section 1.2.

Usage Description

Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

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| Name | STD | TWA - 8 Hrs | | STEL - 15 Min | | Notes |
|-----------------------------|-----|-------------|-------------------------|---------------|-----------|-------|
| 2-METHYLPENTANE-2,4-DIOL | WEL | 25 ppm | 123 mg/m3 | 25 ppm | 123 mg/m3 | |
| C.I. Pigment Yellow 74 | MEL | | 1.5 mg/m3 total dust | | | |
| Hydrocarbons, C9, aromatics | WEL | 19 ppm | 100 mg/m3 | | | |
| Low Aromatic White Spirit | WEL | | 1000 mg/m3 | | | |
| WHITE SPIRIT | WEL | | 350 mg/m3 | | | |
| XYLENE, MIXED ISOMERS | WEL | 50 ppm | 220 mg/m3 | 100 ppm | 441 mg/m3 | Sk |
| Yellow Iron Oxide | WEL | | 10 mg/m3 total dust | | | |

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

Yellow Iron Oxide (CAS: 51274-00-1)

| | | | | |
|----------|-------------|-----------|------------------|----------------------|
| DNEL | | | | |
| Industry | Inhalation. | Long Term | Systemic Effects | 10 (inhalable) mg/m3 |
| Industry | Inhalation. | Long Term | Local Effects | 10 mg/m3 |

Low Aromatic White Spirit

| | | | | |
|----------|-------------|-----------|------------------|---------------|
| DNEL | | | | |
| Consumer | Oral | Long Term | Systemic Effects | 300 mg/kg/day |
| Consumer | Dermal | Long Term | Systemic Effects | 300 mg/kg/day |
| Industry | Dermal | Long Term | Systemic Effects | 300 mg/kg/day |
| Industry | Inhalation. | Long Term | Systemic Effects | 1500 mg/m3 |
| Consumer | Inhalation. | Long Term | Systemic Effects | 900 mg/m3 |

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.

WHITE SPIRIT

| | | | | |
|----------|-------------|------------|------------------|----------------|
| DNEL | | | | |
| Consumer | Oral | Long Term | Systemic Effects | 1040 mg/kg/day |
| Consumer | Dermal | Long Term | Systemic Effects | 1040 mg/kg/day |
| Consumer | Inhalation. | Long Term | Systemic Effects | 710 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 | 1980 mg/m3 |
| Industry | Dermal | Long Term | Systemic Effects | 1056 mg/kg/day |

Hydrocarbons, C9, aromatics

| | | | | |
|----------|-------------|-----------|------------------|--------------|
| DNEL | | | | |
| Consumer | Oral | Long Term | Systemic Effects | 11 mg/kg/day |
| Consumer | Dermal | Long Term | Systemic Effects | 11 mg/kg/day |
| Consumer | Inhalation. | Long Term | Systemic Effects | 32 mg/m3 |
| Industry | Dermal | Long Term | Systemic Effects | 25 mg/kg/day |
| Industry | Inhalation. | Long Term | Systemic Effects | 100 mg/m3 |

XYLENE, MIXED ISOMERS (CAS: 1330-20-7)

| | | | | |
|----------|-------------|------------|------------------|----------------|
| DNEL | | | | |
| Consumer | Oral | Long Term | Systemic Effects | 12.5 mg/kg/day |
| Consumer | Dermal | Long Term | Systemic Effects | 1872 mg/kg/day |
| Consumer | Inhalation. | Long Term | Systemic Effects | 65.3 mg/m3 |
| Consumer | Inhalation. | Short Term | 260 | mg/m3 |
| Industry | Dermal | Long Term | Systemic Effects | 3182 mg/kg/day |
| Industry | Inhalation. | Long Term | Systemic Effects | 221 mg/m3 |
| Industry | Inhalation. | Short Term | 442 | mg/m3 |

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.

8.2. Exposure controls

Protective equipment



LM/V601 - FOUR HOUR TINTED GOLDSIZE**Engineering measures**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform 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.

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

Other Protection

Wear appropriate clothing to prevent reasonably probable skin contact.

Hygiene measures

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

| | |
|------------------------|-----------------------------|
| Appearance | Viscous Coloured liquid. |
| Colour | Light (or pale). Yellow. |
| Odour | Characteristic. of solvents |
| Relative density | @20 °C 0.96 |
| Vapour density (air=1) | heavier than air |
| Viscosity | 6.0 Ps @ 25 °C |
| Flash point (°C) | above 32 CC (Closed cup). |

9.2. Other information**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Not determined.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with acids and oxidising substances.

10.5. Incompatible materials

Materials To Avoid

Strong alkalis. Strong acids. Strong oxidising substances.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

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Inhalation

Vapour from this chemical can be hazardous when inhaled. Vapour may irritate respiratory system or lungs.

Ingestion

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

Skin contact

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.

Eye contact

May cause temporary eye irritation.

Health Warnings

This product has low toxicity. Only large volumes may have adverse impact on human health.

Route of entry

Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.

Medical Considerations

Skin disorders and allergies. Avoid vomiting and normal rinse of stomach because of risk of aspiration.

Toxicological information on ingredients.

LM/V601 - FOUR HOUR TINTED GOLDSIZE**Low Aromatic White Spirit****Acute toxicity:**

Acute Toxicity (Oral LD50)

> 5000 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 5000 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

> 5 mg/l (vapours) Rat 4 hours

Skin Corrosion/Irritation:

Erythema/leschar score

Very slight erythema -barely perceptible (1). Well defined erythema (2).

Oedema score

No oedema (0).

Slightly irritating.

Serious eye damage/irritation:

Not Irritating.

Respiratory or skin sensitisation:

Not sensitising.

Skin sensitisation

Guinea pig maximization test (GPMT): Guinea Pig

Not Sensitising.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Chromosome aberration:

Negative.

This substance has no evidence of mutagenic properties.

Carcinogenicity:

Inhalation. Rat

This substance has no evidence of carcinogenic properties. Does not contain any substances known to be carcinogenic.

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:

Viscosity

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

Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

LM/V601 - FOUR HOUR TINTED GOLDSIZE

Eye contact

No specific health warnings noted.

Route of entry

Inhalation. Ingestion.

LM/V601 - FOUR HOUR TINTED GOLDSIZE**WHITE SPIRIT****Other Health Effects**

This substance has no evidence of carcinogenic properties.

Acute toxicity:

Acute Toxicity (Oral LD50)

> 15000 mg/kg Rat

Minimally toxic via ingestion

Acute Toxicity (Dermal LD50)

~ 3400 mg/kg Rabbit

Not corrosive to skin Not irritating

Acute Toxicity (Inhalation LC50)

> 13.1 mg/l (vapours) Rat 4 hours

Serious eye damage/irritation:

Not Irritating.

Respiratory or skin sensitisation:

Respiratory sensitisation

Not determined.

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

Not Sensitising.

Carcinogenicity:

Carcinogenicity

NOAEL 300 mg/kg Oral Rat

Reproductive Toxicity:

Reproductive Toxicity - Fertility

One-generation study: NOAEL >3000 mg/kg/day Oral Rat P

Reproductive Toxicity - Development

Developmental toxicity: NOAEC >300 ppm Inhalation. Rat

Specific target organ toxicity - single exposure:

Target Organs

Central nervous system

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

NOAEL 1056 mg/kg Oral Rat

Aspiration hazard:

Viscosity

Kinematic viscosity <= 20.5 mm²/s.

Inhalation

No specific health warnings noted.

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 sensitizer.

Eye contact

No specific health warnings noted.

Route of entry

Skin and/or eye contact. Inhalation.

Central nervous system

LM/V601 - FOUR HOUR TINTED GOLDSIZE**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.

12.1. ToxicityEcological 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

EC 50, 48 Hrs, Daphnia, mg/l

>1000

Substance did not cause acute toxicity to the freshwater invertebrates

Acute Toxicity - Aquatic Plants

EC50 72 hours > 1000 mg/l Freshwater algae

Substance did not cause acute toxicity to the freshwater green algae

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

WHITE SPIRIT

Dangerous for the environment if discharged into watercourses Toxic to aquatic organisms

LC 50, 96 Hrs, Fish mg/l

10 - 30

EC 50, 48 Hrs, Daphnia, mg/l

10 - 22

IC 50, 72 Hrs, Algae, mg/l

4.6 - 10

Chronic Toxicity - Aquatic Invertebrates

NOEC 21 days < 0.28 mg/l Daphnia magna

12.2. Persistence and degradability**Degradability**

The product is not expected to be biodegradable.

Ecological information on ingredients.**Low Aromatic White Spirit****Degradability**

The product is easily biodegradable.

Oxidises rapidly by photo-chemical reactions in air

Biodegradation

Degradation (80%) 28 days

Test - 301F Ready Biodegradability - Manometric Respiratory Test

WHITE SPIRIT**Degradability**

The product is easily biodegradable.

Biodegradation

Degradation (75%) 28 days

12.3. Bioaccumulative potential**Bioaccumulative potential**

The product contains potentially bioaccumulating substances.

LM/V601 - FOUR HOUR TINTED GOLDSIZEEcological information on ingredients.Low Aromatic White Spirit

Bioaccumulative potential

The product contains potentially bioaccumulating substances.

Partition coefficient

5 - 6.7

WHITE SPIRIT

Bioaccumulation factor

Scientifically unjustified.

Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.

12.4. Mobility in soil

Mobility:

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

Ecological information on ingredients.Low Aromatic White Spirit

Mobility:

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

Adsorption/Desorption Coefficient

Not available.

Surface tension

24.5 mN/m 20 °C

WHITE SPIRIT

Adsorption/Desorption Coefficient

Scientifically unjustified.

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

12.5. Results of PBT and vPvB assessmentEcological information on ingredients.Low Aromatic White Spirit

Not Classified as PBT/vPvB by current EU criteria.

WHITE SPIRIT

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

The product contains volatile, organic compounds which have a photochemical ozone creation potential.

Ecological information on ingredients.Low Aromatic White Spirit

Not known.

WHITE SPIRIT

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

General information

Do not allow to enter drains, sewers or watercourses.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

LM/V601 - FOUR HOUR TINTED GOLDSIZE**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/ADN) | 1263 |
| UN No. (IMDG) | 1263 |
| UN No. (ICAO) | 1263 |

14.2. UN proper shipping name

| | |
|----------------------|---|
| Proper Shipping Name | Contains White Spirit, Class 3, PG III, (38 °C c.c), MARINE POLLUTANT |
| Proper Shipping Name | PAINT |

14.3. Transport hazard class(es)

| | |
|---------------------|-----------------------------|
| ADR/RID/ADN Class | 1263 |
| ADR/RID/ADN Class | Class 3: Flammable liquids. |
| IMDG Class | 3 |
| ICAO Class/Division | 3 |
| Transport Labels | |

**14.4. Packing group**

| | |
|---------------------------|-----|
| ADR/RID/ADN 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 |
| Tunnel Restriction Code | (D/E) |

LM/V601 - FOUR HOUR TINTED GOLDSIZE**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. Dangerous Substances and Explosive Atmospheres Regulations 2002 [L138]

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

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 HS&E Manager.

Revision Date 19/05/2015

Revision 5

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SDS No. 11134

Safety Data Sheet Status Approved.

Date Date printed _____

Signature Initials _____

LM/V601 - FOUR HOUR TINTED GOLDSIZE

Risk Phrases In Full

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

Hazard Statements In Full

| | |
|--------|--|
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H315 | Causes skin irritation. |
| H226 | Flammable liquid and vapour. |
| H332 | Harmful if inhaled. |
| H312 | Harmful in contact with skin. |
| H304 | May be fatal if swallowed and enters airways. |
| H317 | May cause an allergic skin reaction. |
| H373 | May cause damage to organs <<Organs>> through prolonged or repeated exposure if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| H335 | May cause respiratory irritation. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| H351 | Suspected of causing cancer. |
| H411 | Toxic to aquatic life with long lasting effects. |

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