

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

1.1. Product identifier

Product form : Clear, colourless liquid
Product name : Gloss Picture Varnish
Product code : 0557 (250 gm)

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only
Use of the substance/mixture : Artists Varnish

1.2.2. Uses advised against

: No additional information available

1.3. Details of the supplier of the safety data sheet

Cranfield Colours Ltd
44-47 Springvale Estate,
Cwmbran NP44 5BB Wales, UK
tel: 0044 (0)1633 861 421
email: hello@cranfield-colours.co.uk
website: www.cranfield-colours.co.uk

1.4. Emergency telephone number : 00 44 01633 861421 - Office Hours Only. This is NOT a Poison center.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 3 H226
STOT SE 3 H335
STOT SE 3 H336
Asp. Tox. 1 H304
Aquatic Chronic 2 H411

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

R10
Xn; R65
Xi; R37
N; R51/53

R66
R67

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008

[CLP] Hazard pictograms (CLP)



GHS02



GHS07



GHS08



GHS09

| | |
|--------------------------------|---|
| Signal word (CLP) | : Danger |
| Hazardous Ingredients | : Contains Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%) and Hydrocarbon, C9 aromatics |
| Hazard statements (CLP) | H226 - Flammable liquid and vapour H304 - May be fatal if swallowed and enters airways H335 - May cause respiratory irritation H336 - May cause drowsiness or dizziness H411 - Toxic to aquatic life with long lasting effects |
| Precautionary statements (CLP) | : P210 - Keep away from open flames, sparks, hot surfaces, heat. - No smoking P261 - Avoid breathing vapours, mist, spray P273 - Avoid release to the environment P301+P310 - IF SWALLOWED: immediately call a POISON CENTER or doctor/physician P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing P331 - Do NOT induce vomiting |
| EUH phrases | : EUH066 - Repeated exposure may cause skin dryness or cracking |

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | Concentration% | Classification according to Directive 67/548/EEC |
|---|---|----------------|--|
| Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%) WHITE SPIRIT | (EC no) 919-446-0 (REACH-no) 01-2119458049-33 | 30 - 40 | Xn; R65 N; R51/53 R10 R66 R67 |
| Hydrocarbon C9 aromatics | (CAS No) 64742-95-6 (EC no) 918-668-5 (REACH-no) 01-2119455851-35 | 15-20 | Xn; R65 Xi; R37 N; R51/53 R10 R66 R67 |

| Name | Product identifier | concentration% | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|----------------|--|
| Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%) | (EC no) 919-446-0 (REACH-no) 01-2119458049-33 | 30 - 40 | Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |
| Hydrocarbons, C9 aromatics | (CAS No) 64742-95-6 (EC no) 918-668-5 (REACH-no) 01-2119455851-35 | 15 - 20 | Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|----------------------------|---|
| First-aid measures general | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
|----------------------------|---|

| | |
|---------------------------------------|--|
| First-aid measures after inhalation | : Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell. |
| First-aid measures after skin contact | : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Repeated exposure may cause skin dryness or cracking. |
| First-aid measures after eye contact | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. |

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

| | |
|------------------------------------|--|
| Symptoms/injuries after inhalation | : May cause respiratory irritation. May cause drowsiness or dizziness. |
| Symptoms/injuries after ingestion | : May be fatal if swallowed and enters airways. |

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|---|
| Suitable extinguishing media | : Foam. Dry powder. Carbon dioxide. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

| | |
|------------------|--|
| Fire hazard | : Highly flammable liquid and vapour. |
| Explosion hazard | : May form flammable/explosive vapour-air mixture. |

5.3. Advice for firefighters

| | |
|--------------------------------|---|
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|--|
| General measures | : Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking. |
|------------------|--|

6.1.1. For non-emergency personnel

| | |
|----------------------|-----------------------------------|
| Emergency procedures | : Evacuate unnecessary personnel. |
|----------------------|-----------------------------------|

6.1.2. For emergency responders

| | |
|----------------------|---|
| Protective equipment | : Equip cleanup crew with proper protection. Avoid breathing vapors, mist, spray. |
| Emergency procedures | : Ventilate area. |

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|--|
| Methods for cleaning up | : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |
|-------------------------|--|

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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|-----------------------------------|---|
| Additional hazards when processed | : Handle empty containers with care because residual vapours are flammable. |
| Precautions for safe handling | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No naked lights. No smoking. Use only non-sparking tools. Avoid breathing vapors, mist, spray. Use only outdoors or in a well-ventilated area. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|------------------------|---|
| Technical measures | : Explosion-free electrical equipment and lighting with earth. Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. |
| Storage conditions | : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep in fireproof place. Keep container tightly closed. |
| Incompatible products | : Strong bases. Strong acids. |
| Incompatible materials | : Sources of ignition. Direct sunlight. Heat sources. |

7.3. Specific end use(s)

Varnish

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

No additional information available

8.2. Exposure controls

Personal protective equipment

: Insufficient ventilation: wear respiratory protection. Gloves. Safety glasses. Avoid all unnecessary exposure.



Hand protection

: Wear protective gloves. Since the product consists of several substances, it is possible to estimate the durability of the glove material beforehand and it therefore needs to be tested before use. Gloves must be replaced after each use and whenever signs of wear or perforation appear.

Eye protection

: Chemical goggles or safety glasses.

Respiratory protection

: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Wear respiratory protection.

Other information

: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | |
|--|-------------------------------|
| Physical state | : Liquid |
| Colour | : Colourless, clear |
| Odour | : characteristic. |
| Odour threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Self ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Flammable liquid and vapour |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Solubility | : No data available |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

No additional information available

10.2. Chemical stability

Not established. Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fumes. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Not classified

| Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%) | |
|---|--------------|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rat | > 4000 mg/kg |

| Hydrocarbons C9 aromatics (64742-95-6) | |
|---|---------------------------|
| LD50 oral rat | 3592 mg/kg |
| LD50 dermal rabbit | > 3160 mg/kg |
| ATE (oral) | 3592,000 mg/kg bodyweight |

| | |
|---|--|
| Skin corrosion/irritation | : Not classified Repeated exposure may cause skin dryness or cracking |
| Serious eye damage/irritation | : Not classified Based on available data, the classification criteria are not met |
| Respiratory or skin sensitisation | : Not classified Based on available data, the classification criteria are not met |
| Germ cell mutagenicity | : Not classified Based on available data, the classification criteria are not met |
| Carcinogenicity | : Not classified Based on available data, the classification criteria are not met |
| Reproductive toxicity | : Not classified Based on available data, the classification criteria are not met |
| Specific target organ toxicity (single exposure) | : May cause respiratory irritation. May cause drowsiness or dizziness. |
| Specific target organ toxicity (repeated exposure) | : Not classified Based on available data, the classification criteria are not met |
| Aspiration hazard | : May be fatal if swallowed and enters airways. |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |
| Other information | : Risk of aspiration pneumonia. |

SECTION 12: Ecological information**12.1. Toxicity**

Ecology - water : Toxic to aquatic life with long lasting effects.

| Hydrocarbons, C9-C12, n-alkanes, iso-alkanes, cyclic, aromatic compounds (2-25%) | |
|---|----------|
| EC50 Daphnia 1 | 7,8 g/l |
| EC50 other aquatic organisms 1 | 3,59 g/l |

| Hydrocarbons C9 aromatics (64742-95-6) | |
|---|----------------|
| LC50 fishes 1 | 9,2 mg/l |
| EC50 Daphnia 1 | 3,2 mg/l |
| ErC50 (algae) | 2,6 - 2,9 mg/l |
| NOEC chronic fish | 1,23 mg/l |

12.2. Persistence and degradability

| | |
|--|---|
| Cranfield Gloss Picture Varnish | |
| Persistence and degradability | May cause long-term adverse effects in the environment. |

12.3. Bioaccumulative potential

| | |
|--|------------------|
| Cranfield Gloss Picture Varnish | |
| Bioaccumulative potential | Not established. |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

: Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
 Additional information : Handle empty containers with care because residual vapours are flammable.
 Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No (ADR) : 1263
 UN-No.(IATA) : 1263
 UN-No. (IMDG) : 1263
 UN-No.(ADN) : 1263

14.2. UN proper shipping name

Proper Shipping Name : PAINT / PAINT RELATED MATERIAL
 Transport document description : UN 1263 PAINT / PAINT RELATED MATERIAL, 3, III, (D/E)

14.3. Transport hazard class(es)

Class (UN) : 3
 Classification code (UN) : F1
 Class (IATA) : 3
 Class (IMDG) : 3
 Class (ADN) : 3
 Hazard labels (UN) : 3



14.4. Packing group

Packing group (UN) : III

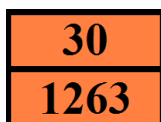
14.5. Environmental hazards

Dangerous for the environment : Yes
 Marine pollutant : No
 Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 30
 Classification code (UN) : F1
 Orange plates :



NOTE
 Limited Quantity [LQ] rules apply when Maximum Individual Product Container = 5L Maximum AND Outer Box = 30 Kg (or 20Kg Shrink wrapped tray)



| | |
|--|------------------|
| Special provision (ADR) Transport category (ADR) | : 163, 650, 640E |
| Tunnel restriction code | : 3 |
| Limited quantities (ADR) Excepted quantities (ADR) | : D/E |
| EAC code | : 5L |
| | : E1 |
| | : *3YE |

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

No additional information available

14.7. 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****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no REACH candidate substance

Seveso Information

:

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources

: 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.

Abbreviations and acronyms

: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road). ATE: Acute Toxicity Estimated. CAS: Chemical Abstracts Service (division of the American Chemical Society). CLP: Classification, Labeling and Packaging. CMR: Carcinogène, Mutagène, Reprotoxique. CSA: Chemical Safety Assessment. CSR: Chemical Safety Report. DNEL: Derived No Effect Level (for human). EC50: Median Effective Concentration (required to induce a 50% effect). EINECS: European Inventory of Existing Commercial Chemical Substances. GHS: Globally Harmonized System of Classification and Labelling of Chemicals. IATA: International Air Transport Association. IMDG: International Maritime Code for Dangerous Goods. LC50: Lethal concentration, 50 percent. LD50: Lethal dose, 50 percent. PBT: Persistent, Bio accumulating and Toxic. PNEC: Predicted No Effect Concentration (for environment). REACH: Registration, Evaluation and Authorisation of Chemical substances. RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail). SVHC: Substances of Very High Concern. vPvB: very Persistent, very Bio accumulating.

Other information

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REACH Disclaimer:
This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation

Full text of R-, H- and EUH-phrases:

| | |
|-------------------|--|
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Asp. Tox. 1 | Aspiration Hazard Category 1 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| STOT SE 1 | Specific target organ toxicity — single exposure, Category 1 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| H226 | Flammable liquid and vapour |
| H335 | May cause respiratory irritation |
| H336 | May cause drowsiness or dizziness |
| H411 | Toxic to aquatic life with long lasting effects |
| R10 | Flammable |
| R37 | Irritating to respiratory system |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| R65 | Harmful: may cause lung damage if swallowed |
| R66 | Repeated exposure may cause skin dryness or cracking |
| R67 | Vapours may cause drowsiness and dizziness |
| N | Dangerous for the environment |
| Xi | Irritant |
| Xn | Harmful |

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product