

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

1.1. Product identifier

Product form : Gel
Product name : Cranfield Oil Medium - Spectragel
Product code : 0572 (250g), 0573 (1Litre), 0574 (2.5 Litre)
Type of product : Oil Medium for Artists Paints

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

1.2.1.

Main use category : Fine Artists, Professional users
Industrial/Professional use spec : For professional use only
Use of the substance/mixture
Function or use category : Oil Painting Medium

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]

Physical and Chemical : Flammable liquid 3 H226
Human Health : STOT SE 3, H336
Asp. Tox. 1, H304
Environment : No Classified

Full text of H-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

Signal words (CLP) :

WARNING

Hazardous ingredients :

Hydrocarbons (LAWS), C9-C11, n-alkanes, isoalkanes, cyclics, aromatics (< 2%)

Hazard statements

H226 - Flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H317 - May cause an allergic skin reaction
H336 - May cause drowsiness or dizziness
H317 - May cause an allergic skin reaction

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

- Symptoms/injuries after inhalation : Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. May cause an allergic skin reaction. May cause drowsiness or dizziness.
- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.
- Symptoms/injuries after ingestion : Swallowing a small quantity of this material will result in serious health hazard. 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 : 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 when fighting any chemical fire.
Prevent firefighting water from entering environment.

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**

- 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. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Avoid breathing vapors, mist, spray.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Explosion-free electrical equipment and lighting with earth.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources. 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) : Oil Medium for Artists Paints

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment : Gloves. Dust/aerosol mask. Safety glasses. Avoid all unnecessary exposure. Protective clothing.



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.

Skin and body protection : Wear suitable protective clothing.

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

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 : Gel

Colour : Pale amber, 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. 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. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

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

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

Likely routes of exposure : Skin and or eye contact. Inhalation

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, aromatics (< 2%) LAWS	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/Kg
LC50 inhalation rat	over 4.95 mg/l (vapours) Rat 4 hours

Skin	: Prolonged or repeated exposure may cause skin dryness or cracking May cause an allergic skin reaction
Eyes	: May cause irritation to eyes
Ingestion	: Irritation of mucous membrane sand of the alimentary canal
Inhalation	: May cause drowsiness or dizziness, nausea and ultimately unconsciousness

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

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

12.2. Persistence and degradability

Cranfield Oil Medium - Spectragel	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Cranfield Oil Medium - Spectragel	
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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an authorized waste treatment plant.
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)	: 1866
UN-No.(IATA)	: 1866
UN-No. (IMDG)	: 1866
UN-No.(ADN)	: 1866

14.2. UN proper shipping name

Proper Shipping Name	: RESIN
Transport document description	: UN 1866 RESIN SOLUTION, 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

IMPORTANT NOTE

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



14.4. Packing group

Packing group (UN)	: III
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14.5. Environmental hazards

Dangerous for the environment	: No
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

Special provision (ADR)

Transport category (ADR) : 223

Tunnel restriction code : 3

Limited quantities (ADR) : D/E

: 5L

EAC code

: 3Y

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

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, Reprotoxisch. 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 : **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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 texts of H Phrases

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H317	May cause an allergic skin reaction
H336	May cause drowsiness or dizziness
H312	Harmful in contact with skin
H351	May cause cancer
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects
H361	Suspected of damaging fertility in unborn child
H318	Causes serious eye damage

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