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**SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND COMPANY**

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**1.1 Product Identifier**

**Product Name:** Cranfield Traditional Relief SILVER

**Product Codes:** WTC-00877

**1.2 Relevant Identified Uses of the**

**Substance / mixture advised for:** Ink for Fine Art Printmaking

**Advised against:** Tattoo/body art

**1.3 Details of supplier of the data sheet**

**Company:** Cranfield Colours Ltd

**Address:** 44-47 Springvale Industrial Estate  
Cwmbran, Torfaen, NP44 5BB  
Wales, UK  
email: hello@cranfield-colours.co.uk

**1.4 Emergency Telephone Number:**

+00 44 (0)1633 861421  
(Office Hours Only. This is NOT a Poison Centre)

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**SECTION 2 HAZARD IDENTIFICATION**

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**2.1 Classification of the substance or mixture:**

**Product Definition:** Mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]:**

Eye Irritation, Category 2  
Aquatic Chronic 2

H319: Causes serious eye irritation.  
H411: Toxic to aquatic life with long lasting effects.

**2.2 Label elements**

**Hazard pictograms :**



**Signal word:** Warning

**Hazard statements:** H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements:**

**Prevention:** P264 Wash skin thoroughly after handling.

<b>Response:</b>	P273      Avoid release to the environment. P280      Wear eye protection/ face protection.
	P337 + P313      If eye irritation persists: Get medical advice/attention. P391      Collect spillage.
<b>Disposal:</b>	P501      Dispose of contents/ container to an approved waste disposal plant.

**Hazardous components which must be listed on the label:**

none

**2.3 Other hazards:**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

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**3.2 Mixtures.**

Chemical Name	Product identifier	Classification (EC) 1272/2008 [CLP]	Concentration (%w/w)
amines, hydrogenated tallow alkyl	CAS: 61788-45-2 EC: 262-976-6 REACH No. 612-284-00-9	H315: Skin Irrit. 2 H318: Eye Dam. 1 H373: STOT RE 2 H304: Asp. Tox. 1 H400: Aquatic Acute 1 H410: Aquatic Chronic 1	>=0.25 - <1
Aluminium Powder (stabilised)*	CAS: 7429-90-5 EC: 231-072-3 Index: 013-002-00-1 REACH #: 01-2119529243-45	H228: Flam. Sol. 1 H261: Water-react. 2	10 < 20

\*Disclosure due to company policy.

For abbreviations see section 16.

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**SECTION 4 FIRST AID MEASURES**

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**4.1 Description of first aid Measures**

<b>General:</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	Remove to fresh air. Keep the patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.
<b>Eye contact:</b>	Contact lenses should be removed if easy to do so. Irrigate copiously with clean, fresh water for at least 15 minutes and seek medical advice.
<b>Skin contact:</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.
<b>Ingestion:</b>	If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do not induce vomiting. Do not give milk or alcoholic beverages.

**4.2 Most important symptoms and effects both acute and delayed**

There are no data available on the mixture itself. The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in nonallergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

**4.3 Indication of any immediate medical attention and special treatment needed:**

**Notes to medical doctor:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatment:** No specific treatment

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**SECTION 5 FIRE FIGHTING MEASURES**

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**5.1 Extinguishing media:**

**Recommended:** Special powder against metal fire  
Dry sand

**Not to be used:** Water  
High volume water jet  
CO2  
ABC powder

**5.2 Special Hazards arising from Substance / Mixture**

Do not allow run off from fire fighting to enter drains or water courses  
Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

**5.3 Advice for Firefighters**

**Special protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary  
**For fire fighters**

**Further Information:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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**6.1 Personal precautions protective equipment and emergency procedures**

Evacuate personnel to safe areas  
Exclude sources of ignition and provide adequate ventilation.  
Avoid breathing of vapours

**6.2 Environmental precautions**

Do not allow to enter drains or water courses.  
If the product enters drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the relevant authority should be contacted.

**6.3 Methods and material for containment and cleaning up**

Contain and collect small spillages with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable labelled container for disposal in accordance with the local waste regulations. Clean up preferably with a detergent; avoid the use of solvents. Do not flush with water.

**6.4 Reference to other sections**

Refer to Protective measures listed in Section 7 (Handling and storage) and 8 (Exposure/PPE)  
Refer to Section 13 for disposal considerations.

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**SECTION 7 HANDLING AND STORAGE**

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**7.1 Precautions for safe handling**

<b>Handling:</b>	Avoid skin and eye contact. Do not breath vapour or dust Exclude sources of heat, sparks and open flame Ingestion: Smoking, eating and drinking should be prohibited in areas of use For personal protection, see Section 8 Always keep in containers made of the same material as the supplied container
<b>Fire &amp; Explosion:</b>	Keep away from heat and sources of ignition. No smoking Normal measures for preventive fire protection.
<b>Hygiene measures:</b>	General industrial hygiene practice. When using do not eat or drink. When using do not smoke Wash hands before breaks and at the end of workday.

**7.2 Conditions for safe storage**

<b>Requirements for storage:</b>	Keep away from sources of ignition - No smoking.
<b>Areas and containers</b>	Do not store near combustible materials. Keep containers tightly closed in a cool, well-ventilated place. To maintain product quality, do not store in heat or direct sunlight.
	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.
<b>Further information on:</b>	Protect from humidity and water.
<b>Storage conditions</b>	
<b>Advice on common storage:</b>	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Do not store together with oxidizing and self-igniting products.
<b>Storage Environment:</b>	Keep in a dry, cool and well-ventilated place.
<b>Further information:</b>	No decomposition if stored and applied as directed.

**7.3 Specific end use(s)**

See Section 1.2

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**SECTION 8 EXPOSURE CONTROL PERSONAL PROTECTION**

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**8.1 Control Parameters**

**Occupational Exposure limits:** No exposure limit value known.

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:** None available

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:** None available

## 8.2 Exposure Controls

<b>Environmental: Controls</b>	Provide adequate ventilation especially in confined areas.
<b>Personal Protection: Respiratory protection</b>	Not necessary under normal working conditions with good general ventilation. Use suitable breathing protection if workplace concentration requires. Respirator should be fitted with an organic vapour filter (EN 141)
<b>Hand protection</b>	When skin exposure may occur wear solvent resistant gloves. Seek advice from gloves suppliers on appropriate types. Barrier creams may help to protect exposed areas of the skin. They should not be applied once exposure has occurred. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
<b>Eye protection</b>	Eye protection designed to protect against liquid splashes should be worn.
<b>Skin/body protection</b>	Wear suitable overalls and make sure they are frequently laundered.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

### 9.2 Other information

<b>Physical state</b>	: Liquid paste
<b>Colour</b>	: Metallic grey / Silver
<b>Odour</b>	: characteristic
<b>Flash point</b>	: > 100 °C
<b>Boiling point</b>	: > 100 °C
<b>Viscosity</b>	: No data available
<b>Specific gravity</b>	: > 1
<b>Vapour density</b>	: No data available
<b>Solubility in water</b>	: Not Soluble

## SECTION 10 STABILITY AND REACTIVITY

### 10.1 Reactivity

Product: No reactivity hazards known for this mixture

Ingredients: Aluminium Powder (Stabilised):  
Flam. Sol. 1, H228,  
Water-react. 2, H261  
Contact with acids and alkalis may release hydrogen.

### 10.2 Chemical stability

Stable under normal conditions of use.

### 10.3 Possibility of hazardous reactions.

No hazardous reactions expected if stored and handled as prescribed.

### 10.4 Conditions to avoid

Prolonged High temperatures will result in drying rendering the product unusable.

### 10.5 Incompatible materials

Keep away from oxidising agents, strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.

### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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**11.1 Information on toxicological effects**

Product: Unknown

Components:

amines, hydrogenated tallow alkyl:

Acute oral toxicity : LD50 (Rat): > 2,000 - 5,000 mg/kg  
Method: OECD Test Guideline 401

**Skin corrosion/irritation:**

Product: Unknown

Components:

amines, hydrogenated tallow alkyl:

Result: Skin irritation

Remarks: May cause skin irritation in susceptible persons.

**Serious eye damage/eye irritation:** Causes serious eye irritation.

Product: Unknown

Components:

amines, hydrogenated tallow alkyl:

Result: Irreversible effects on the eye

Remarks: May cause irreversible eye damage.

**Respiratory or skin sensitisation**

**Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Product: Unknown

Components:

amines, hydrogenated tallow alkyl:

Target Organs: Liver, Gastrointestinal tract, Immune system

Assessment: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

**Aspiration toxicity**

Product: Unknown

Components:

amines, hydrogenated tallow alkyl:

May be fatal if swallowed and enters airways.

**Further information**

Product:

Remarks: No data available

Components:

amines, hydrogenated tallow alkyl:

Remarks: Solvents may degrease the skin.

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**SECTION 12 ECOLOGICAL INFORMATION**

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There are no data available on the mixture itself.

Do not allow to enter drains or watercourses.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]. See Sections 2 and 3 for details.

**12.1 Toxicity** : Not available.

**12.2 Persistence and degradability** : Not available.

**12.3 Bioaccumulative potential** : **Not available.**

**12.4 Mobility in soil**  
**Soil/water partition coefficient (KOC)** : **Not available.**

**Mobility** : **Not available.**

**12.5 Results of PBT and vPvB assessment**

**PBT** : **Not applicable.**  
**vPvB** : **Not applicable.**

**12.6 Other adverse effects** : **No known significant effects or critical hazards.**

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#### SECTION 13 DISPOSAL CONSIDERATIONS

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European Waste Catalogue : 08 03 12 - waste ink containing dangerous substances

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned e.g. "14 06 05 sludges or solid wastes containing other solvents" may be relevant.

#### 13.1 Waste treatment methods

**Product** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction

**Contaminated packaging** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

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#### SECTION 14 TRANSPORT INFORMATION

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	ADR/RID	ADN	IMDG	IATA
<b>14.1 UN number</b>	-	-	-	-
<b>14.2 UN proper shipping name</b>	-	-	-	-
<b>14.3 Transport hazard class(es)</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>14.4 Packing group</b>	-	-	-	-
<b>14.5 Environmental hazards</b>	Yes.	Yes.	Yes.	Yes.
<b>Additional information</b>	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

**14.6 Special precautions for user**

Remarks : For single packagings <=5L / 5 kg, or combination packagings containing inner packagings <= 5L / 5 kg net per inner packaging, SV375 ADR, 2.10.2.7 IMDG-Code, A197 IATA-DGR may be applied.

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable for product as supplied.

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, : Not Applicable  
preparations and articles (Annex XVII)

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not Applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not Applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not Applicable

Regulation (EC) No 850/2004 on persistent organic pollutants

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major accident hazards involving dangerous substances. : Not Applicable

**15.2 Chemical safety assessment**

Not Available.

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**SECTION 16 OTHER INFORMATION****Full text of H-Statements**

H304 : May be fatal if swallowed and enters airways.  
H315 : Causes skin irritation.  
H318 : Causes serious eye damage.  
H373 : May cause damage to organs through prolonged or repeated exposure.  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.

**Full text of other abbreviations**

Acute Tox. : Acute toxicity  
Aquatic Acute : Acute aquatic toxicity  
Aquatic Chronic : Chronic aquatic toxicity  
Asp. Tox. : Aspiration hazard  
Eye Dam. : Serious eye damage  
Eye Irrit. : Eye irritation  
Skin Irrit. : Skin irritation  
STOT RE : Specific target organ toxicity - repeated exposure  
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)  
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for a particular application