

ACCORDING TO EC-REGULATIONS  
1907/2006 (REACH), 1272/2008 (CLP) &  
2020/878

---

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

---

### 1.1 Product identifier

Product Name Cranfield Studio Oils: Zinc White  
Product Codes WTC-8044, 2319, 2369, 2419

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

Identified Use(s) Artist Oil Colours  
Uses Advised Against Not known.

### 1.3 Details of the supplier of the safety data sheet

Company Identification Cranfield Colours Ltd  
Address of Manufacturer 44-47 Springvale Industrial Estate  
Postal code NP445BB  
Telephone: +44 (0) 1633 861421  
Fax +44 (0) 1633 864354  
E-mail technical@cranfield-colours.co.uk  
Office hours GMT/UTC: 09:00-17:00, 9am-5pm

### 1.4 Emergency telephone number

Emergency Phone No. +44 (0) 344 892 0111 (National Poisons Information Service)  
Contact technical@cranfield-colours.co.uk

---

## SECTION 2: HAZARDS IDENTIFICATION

---

### 2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Aquatic Acute 1 :Very toxic to aquatic life.  
Aquatic Chronic 1 :Very toxic to aquatic life with long lasting effects.

### 2.2 Label elements

Product Name According to Regulation (EC) No. 1272/2008 (CLP)  
**Cranfield Studio Oils: Zinc White**

Hazard Pictogram(s)



**GHS09**

Signal Word(s)

**Warning**

Hazard Statement(s)

H410: Very toxic to aquatic life with long lasting effects.  
EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary Statement(s)

P273: Avoid release to the environment.  
P391: Collect spillage.  
P501: Dispose of contents in accordance with local, state or national legislation.

### 2.3 Other hazards

None known.

## 2.4 Additional Information

For full text of H/P Statements see section 16.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
zinc oxide	1314-13-2	215-222-5 01-2119463881-32	37	Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS09
cobalt bis(2-ethylhexanoate)	136-52-7	205-250-6	<0.1	Skin Sens. 1A H317 Eye Irrit. 2 H319 Repr. 1B H360 Aquatic Acute 1 H400 Aquatic Chronic 3 H412	GHS08 GHS07 GHS09

Contains no non-classified vPvB substances.

Contains a non-classified substance with a Union workplace exposure limit. Barium sulphate inhalable dust (7727-43-7)

For full text of H/P Statements see section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

Inhalation	Treat symptomatically.
Skin Contact	Treat symptomatically.
Eye Contact	Treat symptomatically.
Ingestion	Treat symptomatically.

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

None anticipated. Treat symptomatically.

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

Unlikely to be required but if necessary, treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable Extinguishing media	As appropriate for surrounding fire.
Unsuitable extinguishing media	None.

### 5.2 Special hazards arising from the substance or mixture

Heating may cause decomposition.

### 5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

ACCORDING TO EC-REGULATIONS  
1907/2006 (REACH), 1272/2008 (CLP) &  
2020/878

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.

### 6.2 Environmental precautions

Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

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

Collect spillage. Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

### 6.4 Reference to other sections

See Also Section 8, 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Do not eat, drink or smoke when using this product. Always wash hands after handling this product.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Ambient and well ventilated
Storage life	Stable under normal conditions.
Incompatible materials	Strong bases and acids

### 7.3 Specific end use(s)

Artist Oil Colours

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Barium sulphate inhalable dust	7727-43-7		10			
Barium sulphate respirable dust	7727-43-7		4			

Region	United Kingdom
Source	UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark

ACCORDING TO EC-REGULATIONS  
1907/2006 (REACH), 1272/2008 (CLP) &  
2020/878

## 8.2 Exposure controls

**8.2.1. Appropriate engineering controls** Ensure adequate ventilation.

### 8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Not normally required.



Respiratory protection

Normally no personal respiratory protection is necessary.



Thermal hazards

None known.

**8.2.3. Environmental Exposure Controls** Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

---

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

---

### 9.1 Information on basic physical and chemical properties

Physical state	Liquid.
Colour	White.
Flammability	Not known.
Flash Point	142°C BS EN ISO 3679:2004
Solubility	Solubility (Water) : Not known. Solubility (Other) : Not known.
Density and/or relative density	Density (g/ml) : 2.4 +/-0.2

### 9.2 Other information

None.

---

## SECTION 10: STABILITY AND REACTIVITY

---

### 10.1 Reactivity

None anticipated.

### 10.2 Chemical Stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

ACCORDING TO EC-REGULATIONS  
1907/2006 (REACH), 1272/2008 (CLP) &  
2020/878

## 10.4 Conditions to avoid

None anticipated.

## 10.5 Incompatible materials

Not known.

## 10.6 Hazardous decomposition products

No hazardous decomposition products known.

---

## SECTION 11: TOXICOLOGICAL INFORMATION

---

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Ingestion	zinc oxide: LD50 (Species: rat) > 5000 mg/kg; OECD 401
Acute toxicity - Skin Contact	No data available
Acute toxicity - Inhalation	zinc oxide: LC50 (Species: rat; Dust/Mist): >5.7mg/l /4h; OECD 403
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Skin sensitization data	No data available
Respiratory sensitization data	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Lactation	No data available
STOT - single exposure	No data available
STOT - repeated exposure	No data available
Aspiration hazard	No data available

### 11.2 Information on other hazards

Not known.

---

## SECTION 12: ECOLOGICAL INFORMATION

---

### 12.1 Toxicity

	Very toxic to aquatic life with long lasting effects.
Toxicity - Aquatic invertebrates	Zinc Oxide: Chronic: 82µg/l/7days (Daphnia Magma, pH 6.0, CSR)
Toxicity - Fish	No data available
Toxicity - Algae	Zinc Oxide: Chronic: 19µg/l/7days (Pseudokirchneriella Subcapitata, pH 8.0, CSR)
Toxicity - Sediment Compartment	No data available
Toxicity - Terrestrial Compartment	No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

ACCORDING TO EC-REGULATIONS  
1907/2006 (REACH), 1272/2008 (CLP) &  
2020/878

## 12.6 Endocrine disrupting properties

None known.

## 12.7 Other adverse effects

Not known.

---

## SECTION 13: DISPOSAL CONSIDERATIONS

---

### 13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation.  
Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

### 13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

---

## SECTION 14: TRANSPORT INFORMATION

---

### 14.1 UN number or ID number

UN No. 3082

### 14.2 UN proper shipping name

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. MIXTURE: zinc oxide  
Transport Document Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. MIXTURE: zinc oxide, 9, III, MARINE POLLUTANT

### 14.3 Transport hazard class(es)

#### ADR/RID

ADR/RID Class	9
ADR Classification Code	M6
Special Provisions	274 335 375 601
Limited Quantities	5 L
Excepted Quantities	E1
Emergency Action Code	•3Z
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	PP1
Mixed Packing Instructions for Packages	MP19
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1 TP29
Tank Code for Tanks	LGBV
Special Provisions for Tanks	
Vehicle for Tank Carriage	AT
ADR Transport Category	3
Tunnel Restriction Code	-
Special Provisions for Carriage - Packages	V12
Special Provisions for Carriage - Bulk	
Special Provisions for Carriage - Loading, Unloading and Handling	CV13
Special Provisions for Carriage - Operation	
ADR HIN	90



COLOUR LIKE NO OTHER

# SAFETY DATA SHEET

**Cranfield Studio Oils:  
Zinc White**

Date of Issue: 10 September 2021

Revision: 1.1

Previous Version: 1.0 (Jan 2016)

ACCORDING TO EC-REGULATIONS  
1907/2006 (REACH), 1272/2008 (CLP) &  
2020/878

## IMDG

IMDG Class	9
Special Provisions	274 335 375 601
Limited Quantities	5 L
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	PP1
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1 TP29
IMDG EMS	F-A S-F
Stowage and Handling	Category A
Segregation	
Marine Pollutant	

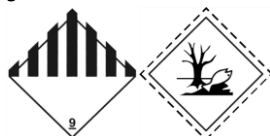
## ICAO/IATA

IATA Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Excepted Quantities	E1
Passenger and Cargo Aircraft Limited Quantities	Y964
Packing Instructions	
Passenger and Cargo Aircraft Limited Quantities	30Kg G
Max net Qty	
Passenger and Cargo Aircraft Packing Instructions	964
Passenger and Cargo Aircraft Max net Qty	450L
Cargo Aircraft Packing Instructions	964
Cargo Aircraft Max net Qty	450L
Special Provisions	A97, A158 A197
Emergency Response Guidebook (ERG) Code	9L

## Labels

Labels

9



## 14.4 Packing group

Packing group III

## 14.5 Environmental hazards

Environmental hazards Classified as a Marine Pollutant.

## 14.6 Special precautions for user

Special precautions for user Not known.

## 14.7 Maritime transport in bulk according to IMO instruments

No information available

ACCORDING TO EC-REGULATIONS  
1907/2006 (REACH), 1272/2008 (CLP) &  
2020/878

**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles cobalt bis(2-ethylhexanoate) (136-52-7), calcium bis(2-ethylhexanoate) (136-51-6), zinc oxide (1314-13-2), Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics ( )

Community Rolling Action Plan (CoRAP) Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants zinc oxide (1314-13-2)

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

**National regulations**

Other Not known.

**15.2 Chemical Safety Assessment**

A REACH chemical safety assessment has not been carried out.

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements: Section 11, Section 12, Section 14, Section 15

**LEGEND**

Hazard Pictogram(s)



GHS09

GHS07: GHS: Exclamation mark

GHS08: GHS: Health hazard

Hazard classification

Skin Sens. 1A : Skin sensitization, Category 1A  
Eye Irrit. 2 : Serious eye damage/irritation, Category 2  
Repr. 1B : Reproductive toxicity, Category 1B  
Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1  
Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1  
Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3

Hazard Statement(s)

H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.



ACCORDING TO EC-REGULATIONS  
1907/2006 (REACH), 1272/2008 (CLP) &  
2020/878

H360: May damage fertility or the unborn child.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.  
H412: Harmful to aquatic life with long lasting effects.  
EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary Statement(s)

P273: Avoid release to the environment.  
P391: Collect spillage.

Acronyms

P501: Dispose of contents in accordance with local, state or national legislation.  
ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE : Acute Toxicity Estimate  
CAS : Chemical Abstracts Service  
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
DNEL : Derived No Effect Level  
EC : European Community  
EINECS : European Inventory of Existing Commercial Chemical Substances  
IATA : International Air Transport Association  
IBC : Intermediate Bulk Container  
ICAO : International Civil Aviation Organization  
IMDG : International Maritime Dangerous Goods  
LTEL : Long term exposure limit  
PBT : Persistent, Bioaccumulative and Toxic  
PNEC : Predicted No Effect Concentration  
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail  
STEL : Short term exposure limit  
STOT : Specific Target Organ Toxicity  
UN : United Nations  
vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS

Regulation (EC) No. 1272/2008 (CLP)

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Cranfield Colours Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Cranfield Colours Ltd accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.