Safety Data Sheet

Cobalt Turquoise Deep - 507

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

1.1. Product identifier

Name of the substance	Cobalt Turquoise Deep
Identification number	269-072-0 (EC number)
Registration number	01-2119963939-14-0009
Product registration number	Not applicable.

Issue date	12-December-2011
Revision date	04-December-2018
Supersedes date	09-January-2018

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

Identified uses	Colorant
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Address	Michael Harding Art Formulas LTD
Telephone	+44(0)1633484700
Manufacturer/Supplier:	Michael Harding Art Formulas LTD Unit K Springvale Ind Est Cwmbran, Torfaen, NP44 5BE United Kingdom
Telephone	+44(0)1633484700
Website	www.michaelharding.co.uk
Email	accounts@michaelharding.co.uk
EMERGENCY INFORMATION	CHEMTREC - Domestic 1- 800-424-9300 CHEMTREC - International +1 703 527 3887 24 hour Emergency (EU) +112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended

Hazard summary	Health injuries are not known or expected under normal use.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains:	COBALT CHROMITE BLUE-GREEN SPINEL
Hazard pictograms	None.
Signal word	None.
Hazard statements	None.

Precautionary statements

Prevention	Not assigned.
Response	Not assigned.
Storage	Not assigned.
Disposal	Not assigned.

Supplemental label information

May cause skin and eye irritation. Inhalation of dusts may cause respiratory irritation. Avoid contact with eyes and prolonged or repeated contact with skin. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. IF SWALLOWED: Do not induce vomiting. If conscious, drink plenty of water. Never give anything by mouth to an unconscious person. IF IN EYES: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. IF ON SKIN: Wash with plenty of soap and water. Call a physician if symptoms develop or persist.

For industrial use only. Additional information is given in the Safety Data Sheet.

2.3. Other hazards None known.

Substance(s) formed under the conditions of use Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
COBALT CHROMITE BLUE-GREEN SPINEL	100	68187-11-1 269-072-0	01-2119963939-14-0009	-	
Classification: -					

Composition comments This product is the result of high temperature calcination of the component substances. Due to its unique crystalline structure the properties of this finished pigment do not necessarily reflect the properties of the component metals or oxides.

SECTION 4: First aid measures

General information If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Where there is a potential for eye exposure to this substance, an eye wash fountain should be provided within the immediate work area for emergency use.

4.1. Description of first aid measures

Inhalation	Remove to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Call a physician if symptoms develop or persist.
Skin contact	Wash the skin immediately with soap and water. Get medical attention if irritation develops or persists.
Eye contact	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.
Ingestion	Never give anything by mouth to an unconscious person. If swallowed, do NOT induce vomiting. Give several glasses of water to dilute contents of stomach and call a physician.

4.2. Most important symptoms and effects, both acute and delayed Contact with eyes may cause irritation. Inhalation of dusts may cause respiratory irritation. Contact with skin may cause irritation.

4.3. Indication of any immediate medical attention and special treatment needed Not available.

SECTION 5: Firefighting measures

General fire hazards This product is not flammable.

5.1. Extinguishing media

Suitable extinguishing media Use extinguishing agent suitable for type of surrounding fire.

Unsuitable extinguishing media Not applicable.

5.2. Special hazards arising from the substance or mixture None known.

5.3. Advice for firefighters

Special protective equipment for firefighters Use protective equipment appropriate for surrounding materials.

Special fire fighting procedures Not a fire hazard.

Specific methods Not established.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust from the spilled material.

For emergency responders Keep unnecessary personnel away.

6.2. Environmental precautions Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up Avoid dust formation. Following product recovery, flush area with water. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container.

6.4. Reference to other sections See Section 8 for personal protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Keep formation of airborne dusts to a minimum. When using, do not eat, drink or smoke. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities Store in closed original container in a dry place. Room temperature - normal conditions. Use care in handling/storage. Keep in properly labelled containers.

7.3. Specific end use(s) No detailed information on use is given, as no exposure scenarios according to Article 14.4 Regulation (EC) 1907/2006 are required.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	MAK	2 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	STEL	0,4 mg/m3	6 - 15%	(as Co)
	TWA	0,1 mg/m3	6 - 15%	(as Co)Inhalable fraction.

Belgium. Exposure Limit Values.

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	0,5 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	TWA	0,02 mg/m3	6 - 15%	(as Co)Dust and fume.

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	2 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	TWA	0,1 mg/m3	6 - 15%	(as Co)

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 1

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	MAC	2 mg/m3	43 - 50%	(as Cr)

Metals	Type	Value	Percent	Form
COBALT METAL, DUST AND FUMES	MAC	0,1 mg/m3	6 - 15%	(as Co)

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amer

Metals	Type	Value	Percent	Form
COBALT METAL, DUST AND FUMES	TWA	0,1 mg/m3	6 - 15%	(as Co) Dust and fume.

Czech Republic. OELs. Government Decree 361

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	Ceiling	1,5 mg/m3	43 - 50%	(as Cr)
	TWA	0,5 mg/m3	43 - 50%	(as Cr) Dust.
		0,5 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	Ceiling	0,1 mg/m3	6 - 15%	(as Co)
	TWA	0,05 mg/m3	6 - 15%	(as Co)

Denmark. Exposure Limit Values

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TLV	0,5 mg/m3	43 - 50%	(as Cr) Dust.
COBALT METAL, DUST AND FUMES	TLV	0,01 mg/m3	6 - 15%	(as Co) Dust and fume.

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 Septem

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	2 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	TWA	0,05 mg/m3	6 - 15%	(as Co)

Finland. Workplace Exposure Limits

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	0,5 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	TWA	0,02 mg/m3	6 - 15%	(as Co)

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	VME	2 mg/m3	43 - 50%	(as Cr)

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	AGW	2 mg/m3	43 - 50%	(as Cr) Inhalable fraction.

Greece. OELs (Decree No. 90/1999, as amended)

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	1 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	TWA	0,1 mg/m3	6 - 15%	(as Co) Dust and fume.

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	2 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	STEL	0,4 mg/m3	6 - 15%	(as Co)
	TWA	0,1 mg/m3	6 - 15%	(as Co)

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	0,5 mg/m3	43 - 50%	(as Cr) Dust.

Metals	Type	Value	Percent	Form
COBALT METAL, DUST AND FUMES	TWA	0,02 mg/m3	6 - 15%	(as Co) Dust and fume.

Ireland. Occupational Exposure Limits

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	2 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	TWA	0,1 mg/m3	6 - 15%	(as Co)

Italy. Occupational Exposure Limits

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	0,5 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	TWA	0,02 mg/m3	6 - 15%	(as Co)

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	2 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	TWA	0,5 mg/m3	6 - 15%	(as Co)

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	2 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	TWA	0,05 mg/m3	6 - 15%	(as Co)

Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	2 mg/m3	43 - 50%	(as Cr)

Netherlands. OELs (binding)

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	0,5 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	TWA	0,02 mg/m3	6 - 15%	(as Co) Dust and fume.

Norway. Administrative Norms for Contaminants in the Workplace

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TLV	0,5 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	TLV	0,02 mg/m3	6 - 15%	(as Co) Fume.

Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	0,5 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	TWA	0,02 mg/m3	6 - 15%	(as Co)

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	0,5 mg/m3	43 - 50%	(as Cr)
		2 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	TWA	0,02 mg/m3	6 - 15%	(as Co)

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	0,05 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	STEL	0,1 mg/m3	6 - 15%	(as Co)

Metals	Type	Value	Percent	Form
	TWA	0,05 mg/m3	6 - 15%	(as Co)

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Metals	Type	Value	Percent	Form
COBALT METAL, DUST AND FUMES	TWA	0,05 mg/m3	6 - 15%	(as Co)

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while wo

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	2 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	TWA	0,1 mg/m3	6 - 15%	(as Co) Inhalable fraction.

Spain. Occupational Exposure Limits

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	2 mg/m3	43 - 50%	(as Cr) Dust.
COBALT METAL, DUST AND FUMES	TWA	0,02 mg/m3	6 - 15%	(as Co)

Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	0,5 mg/m3	43 - 50%	(as Cr) Total dust.
COBALT METAL, DUST AND FUMES	TWA	0,02 mg/m3	6 - 15%	(as Co) Inhalable dust.

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	0,5 mg/m3	43 - 50%	(as Cr) Inhalable dust.
COBALT METAL, DUST AND FUMES	TWA	0,05 mg/m3	6 - 15%	(as Co) Dust/aerosol, inhalable.

UK. EH40 Workplace Exposure Limits (WELs)

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	0,5 mg/m3	43 - 50%	(as Cr)
COBALT METAL, DUST AND FUMES	TWA	0,1 mg/m3	6 - 15%	(as Co)

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Metals	Type	Value	Percent	Form
CHROMIUM (III) AND COMPOUNDS	TWA	2 mg/m3	43 - 50%	(as Cr)

Biological limit values

Czech Republic. Limit Values for Indictators of Biological Exposure Tests in Urine and Blood, Annex 2, Tables 1 and 2, Government Decree 432/2003 Sb.

Metals	Value	Form	Determinant	Specimen	Sampling Time
CHROMIUM (III) AND COMPOUNDS	0,03 mg/g	(as Cr)	Total chromium	Creatinine in urine	*

* - For sampling details, please see the source document.

France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065)

Metals	Value	Form	Determinant	Specimen	Sampling Time
COBALT METAL, DUST AND FUMES	15 µg/l	(as Co)	Cobalt	Urine	*
	1 µg/l	(as Co)	Cobalt	Blood	*

* - For sampling details, please see the source document.

Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices

Metals	Value	Form	Determinant	Specimen	Sampling Time
COBALT METAL, DUST AND FUMES	0,03 mg/g	(as Co)	Cobalt	Creatinine in urine	*
CHROMIUM (III) AND COMPOUNDS	0,02 mg/g	(as Cr)	chromium	Creatinine in urine	*

* - For sampling details, please see the source document.

Slovakia. BLVs (Biological Limit Value). Regulation no. 355/2006 concerning protection of workers exposed to chemical agents, Annex 2

Metals	Value	Form	Determinant	Specimen	Sampling Time
COBALT METAL, DUST AND FUMES	20,03 µg/g	(as Co)	Cobalt	Creatinine in urine	*
	30 µg/l	(as Co)	Cobalt	Urine	*

* - For sampling details, please see the source document.

Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4

Metals	Value	Form	Determinant	Specimen	Sampling Time
COBALT METAL, DUST AND FUMES	15 µg/l	(as Co)	Cobalto	Urine	*
	1 µg/l	(as Co)	Cobalto	Blood	*
CHROMIUM (III) AND COMPOUNDS	25 µg/l	(as Cr)	Cromo total	Urine	*
	10 µg/l	(as Cr)	Cromo total	Urine	*

* - For sampling details, please see the source document.

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)

Metals	Value	Form	Specimen	Sampling Time
COBALT METAL, DUST AND FUMES	30 µg/l	(as Co)	Urine	*

* - For sampling details, please see the source document.

UK. EH40 Biological Monitoring Guidance Values (BMGVs)

Metals	Value	Form	Determinant	Specimen	Sampling Time
CHROMIUM (III) AND COMPOUNDS	10 umol/mol	(as Cr)	Chromium	Creatinine in urine	*

* - For sampling details, please see the source document.

Recommended monitoring procedures Not available.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Individual protection measures, such as personal protective equipment

General information Not available.

Eye/face protection Safety glasses with side-shields.

Skin protection

- Hand protection Rubber or plastic gloves. PVC disposable gloves. Use impervious gloves.

- Other Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal hazards Not applicable.

Hygiene measures Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practices.

Environmental exposure controls Contain spills and prevent releases and observe national regulations on emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder.
Physical state	Solid.
Form	Powder.
Colour	blue green
Odour	None.
Odour threshold	Not available.
pH	7,3 (Shepherd Color Test Method 101)
Melting point/freezing point	Not applicable Not applicable.
Initial boiling point and boiling range	Not applicable Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable Not applicable.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not applicable.
Flammability limit - upper (%)	Not applicable.
Vapour pressure	Not applicable Not applicable.
Vapour density	Not applicable Not applicable.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Negligible Negligible
Partition coefficient (n-octanol/water)	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not applicable Not applicable.
Viscosity	Not applicable
Explosive properties	Not available.
Oxidising properties	Not available.
9.2. Other information	
Specific gravity	See tech data sheet.
Loose Packing Density	See tech data sheet.

SECTION 10: Stability and reactivity

10.1. Reactivity	None known.
10.2. Chemical stability	Stable under normal temperature conditions and recommended use.
10.3. Possibility of hazardous reactions	Hazardous polymerisation does not occur.
10.4. Conditions to avoid	None known.
10.5. Incompatible materials	None known.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information	Not available.
Information on likely routes of exposure	
Inhalation	May cause irritation to the respiratory system.

Skin contact	Contact with skin may cause irritation.
Eye contact	May irritate eyes.
Ingestion	No adverse effects due to ingestion are expected.
Symptoms	Product dust may be irritating to eyes, skin and respiratory system.

11.1. Information on toxicological effects

Acute toxicity May cause respiratory irritation. May be slightly irritating to skin and eyes.

Product	Species	Test Results
COBALT CHROMITE BLUE-GREEN SPINEL (CAS 68187-11-1)		
Acute		
Inhalation		
LD50	Rat	Not Tested
Oral		
LD50	Rat	> 10000 mg/kg Shepherd Color Company Data

Skin corrosion/irritation	Contact with skin may cause irritation.
Serious eye damage/eye irritation	May irritate eyes.
Respiratory sensitisation	No data available.
Skin sensitisation	No data available.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not available.
Reproductive toxicity	No data available.
Specific target organ toxicity - single exposure	No data available.
Specific target organ toxicity - repeated exposure	No data available.
Aspiration hazard	Not applicable.
Mixture versus substance information	Not applicable.
Other information	Repeated overexposure to this compound may cause eye, skin and respiratory tract irritation. Some compounds of the metals used in the manufacturing of this material have demonstrated various toxic properties. However, there is no evidence that this material has these toxic characteristics. This product is the result of high temperature calcination of the component substances. Due to its unique crystalline structure the properties of this finished material do not necessarily reflect the properties of the component metals or oxides.

SECTION 12: Ecological information

12.1. Toxicity	Not expected to be harmful to aquatic organisms.
12.2. Persistence and degradability	The product is not expected to be biodegradable.
12.3. Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
Partition coefficient n-octanol/water (log Kow)	Not applicable.
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	No data available.
Mobility in general	No data available.
12.5. Results of PBT and vPvB assessment	Not applicable. Not applicable. Not applicable.
12.6. Other adverse effects	None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations.

Contaminated packaging	Since emptied containers retain product residue, follow label warnings even after container is emptied.
EU waste code	Waste codes should be assigned by the user based on the application for which the product was used.
Disposal methods/information	All wastes must be handled in accordance with local, state and federal regulations.

SECTION 14: Transport information

ADR

14.1. - 14.6.: Not regulated as dangerous goods.

RID

14.1. - 14.6.: Not regulated as dangerous goods.

ADN

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not available.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

National regulations	This substance is not classified as dangerous according to European Union legislation.

15.2. Chemical safety assessment Not available.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16: Other information

List of abbreviations Not available.

References Not available.

Information on evaluation method leading to the classification of mixture Not available.

Full text of any H-statements not written out in full under Sections 2 to 15 None.

Revision information

SECTION 2: Hazards identification: Hazard statements
SECTION 2: Hazards identification: Disposal
SECTION 2: Hazards identification: Prevention
SECTION 2: Hazards identification: Supplemental label information
Composition / Information on Ingredients: Potential Compounds Formed
SECTION 8: Exposure controls/personal protection: General information
SECTION 8: Exposure controls/personal protection: Respiratory protection
Toxicological Information: Toxicological Data
SECTION 11: Toxicological information: Aspiration hazard
HazReg Data: North America

Training information Not available.

Issued by Michael Harding Art Formulas LTD

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