

C Roberson & Co Ltd

Safety Data Sheet according to Directive 91/155/EC

Revision Date: January 2017

1) Identification of the substance/preparation and the company

Trade Name: Roberson Cobalt Siccative

Application: Artists' Drier

Manufacturer/Supplier:

C. Roberson & Co Ltd

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London N7 6AT

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2) Composition/Information on ingredients

A solution of Cobalt Carboxylate in hydrocarbon solvent.

3) Hazards Identification

Classification according to EC Regulation No.1272/2008

GHS Classification:	Acute toxicity, oral	Category 4
	Sensitization, skin	Category 1
	Reproductive toxicity	Category 2
Hazardous to the aquatic environment		Category 2

Label Elements



Signal Word

Warning

Hazard statements

Harmful if swallowed. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Toxic to aquatic life with long lasting effects.

Precautionary statements:

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist or vapour. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If swallowed: Call a poison centre/doctor if you feel unwell. If on skin: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Collect spillage.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

OTHER INFORMATION

N/A

4) First Aid Measures*Description of first aid measures.*

Skin Contact:	Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of the skin is damaged or if irritation persists seek medical attention.
Eye Contact:	Wash immediately with running water for at least 15 minutes, keeping the eyelids open. Remove contact lenses if present and easily removable. Seek medical attention if irritation persists.
Ingestion:	Wash out mouth with water. Do not induce vomiting. If patient is conscious give water to drink. If patient feels unwell seek medical attention.
Inhalation	Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid of complete seek medical attention.
General information:	Seek medical attention in case of complaints.
Information for physician:	Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

5) Fire Fighting Measures

Extinguishing Media:	Water spray, foam, CO2 Do not use water jet.
Exposure Hazards	
Combustion products:	During fire, gases hazardous to health may be formed.
Advice for Fire-Fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Keep run-off water out of sewers and water courses.

6 Accidental Release Measures

Personal Precautions:	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Use personal protective equipment as described in section 8.
Environmental Precautions:	Avoid spillage reaching watercourses and sewerage systems.
Clean-Up Procedures:	Remove using absorbents, then clean the area with hot water and detergents.
Other information:	Transfer material to container for disposal. Dispose of contaminated material as waste according to section 13

7) Handling and Storage

Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Provide adequate ventilation. Avoid breathing mist or vapour. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. Cobalt carboxylates may cause the ignition of rags or paper goods or other oxidisable materials.
Conditions for safe storage including any incompatibilities:	Store locked up. Store in original tightly closed container. Store away from incompatible materials. (see Section 10 of the SDS).
Specific end use(s)	Artists' drier.

8) Exposure/Personal Protection

Exposure Limits

Cobalt and compounds - 0.1mg/m³, 8h TWA: Type MEL.

Organic solvents - 300 ppm, 8h TWA: Type Manufacturers recommendation.

Engineering Measures: Provide adequate ventilation. Local exhaust ventilation normally recommended.



Respiratory Protection: Type approved RPE for organic vapours and mists if required.

Eye Protection: Use safety goggles.

Skin Protection: Wear suitable protective gloves and clothing.

Hygiene measures: Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

Environmental exposure controls: The product should not be allowed to enter drains, water courses or the soil.

9) Physical and chemical Properties

Physical state:	Liquid
Colour:	Blue
Odour:	Slight
pH:	Not determined
Boiling point	180°C
Melting point:	Not determined.
Viscosity:	Not determined.
Flash point:	>61°C
Flammability solid/gas:	Combustible.
Autoflammability:	Not applicable.
Explosive properties:	Not applicable.
Oxidising properties:	Non oxidising.
Vapour pressure:	Negligible.
Density:	0.8 - 1.0
Water solubility:	Insoluble.
Other solubility:	Soluble in hydrocarbons.
Bulk density:	Not determined.
Partition coefficient octanol/water:	Not determined.

10) Stability and Reactivity

Reactivity:	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization does not occur.
Conditions to avoid:	Contact with incompatible materials.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	No hazardous decomposition products are known.

11) Toxicological Information

Information on likely routes of exposure

Inhalation:	Prolonged inhalation may be harmful.
Skin contact:	May cause an allergic skin reaction.
Eye contact:	Direct contact with eyes may cause temporary irritation.
Ingestion:	Harmful if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics:	May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity:	Harmful if swallowed. May cause an allergic skin reaction.
Skin corrosion/irritation:	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation:	Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization:	Not a respiratory sensitizer.
Skin sensitization:	May cause an allergic skin reaction.
Germ cell mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity:	Suspected of damaging fertility or the unborn child.
Specific target organ toxicity - single exposure:	Not classified.
Specific target organ toxicity - repeated exposure:	Not classified.
Aspiration hazard:	Not an aspiration hazard.
Chronic effects:	Prolonged inhalation may be harmful.

12) Ecological Information

Toxicity

Ecotoxicity effects:	Toxic to aquatic life with long lasting effects.
Persistence and degradability:	No data is available on the degradability of this product.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Results of PBT and vPvB assessment:	No data available.
Other adverse effects:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13) Disposal Information

Disposal:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Contaminated packaging:	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14) Transport Information

DOT

UN number:	UN3082
UN proper shipping name	Environmentally Hazardous Substance, Liquid, NOS, MARINE POLLUTANT
Transport hazard class(es)	
Class:	9
Subsidiary risk:	-
Label(s):	9
Packing group:	III
Environmental hazards	
Marine pollutant:	Yes

IATA

UN number:	UN3082
UN proper shipping name	

Environmentally Hazardous Substance, Liquid, NOS, MARINE POLLUTANT

Transport hazard class(es)

Class: 9
Subsidiary risk: -
Packing group: III

Environmental hazards

Marine pollutant: Yes

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo aircraft: Forbidden.

Cargo aircraft only: Forbidden.

IMDG

UN number: UN3082

UN proper shipping name

Environmentally Hazardous Substance, Liquid, NOS, MARINE POLLUTANT

Transport hazard class(es)

Class: 9
Subsidiary risk: -
Packing group: III

Environmental hazards

Marine pollutant: Yes

EmS: F-A, S-F

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

DOT; IATA; IMDG



Marine pollutant



General information: IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant.

15) Regulatory Information

Other regulations, restrictions and prohibition regulations:

Compliance with following regulations: Regulation (EC) 1907/2006 as amended.
Regulation (EC) 1272/2008 as amended. Directive 1999/45/EC as amended. Directive 67/548/EEC as amended.

National regulations: No additional information available.

Chemical safety assessment: No additional information available.

16) Other information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations.

To best of our knowledge the information contain herein is accurate. However, neither the above supplier assumes any liability whatsoever for the accuracy or completeness of the information herein

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist