UK REACH Regulations SI 2019/758



Cobalt Oxide Solid Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
1.5	28.09.2024	11106908-00006	Date of first issue: 23.11.2022

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

1.1 Product identifier Trade name	:	Cobalt Oxide Solid Formulation
Other means of identification	:	Coopers Permatrace 3 Year Cobalt Pellets for Sheep (47611) Coopers Permatrace Cobalt Pellets for Cattle (47638)
1.2 Relevant identified uses of th	ne s	substance or mixture and uses advised against
Use of the Sub- stance/Mixture	:	Veterinary product
Recommended restrictions on use	:	Not applicable
1.3 Details of the supplier of the	saf	ety data sheet
Company	:	MSD Walton Manor, Walton

Company	:	MSD Walton Manor, Walton MK7 7AJ Milton Keynes - United Kingdom
Telephone	:	+1-908-740-4000
E-mail address of person responsible for the SDS	:	EHSDATASTEWARD@msd.com

1.4 Emergency telephone number

+1-908-423-6000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Respiratory sensitisation, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Long-term (chronic) aquatic hazard, Cat- egory 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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Hazard pictograms		:			73
Signa	l word	:	Danger		
Haza	rd statements	:	H334		ause allergy or asthma symptoms or breath- fficulties if inhaled.
			H411	•	to aquatic life with long lasting effects.
Preca	utionary statements	:	Prevention	:	
			P273	Avoid	release to the environment.
			Response:		
			P304 + P34		INHALED: Remove person to fresh air and comfortable for breathing.
			P342 + P31	1 İfe	experiencing respiratory symptoms: Call a
			P391	Colle	ot spillage.

Hazardous components which must be listed on the label:

Tricobalt tetraoxide

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.

Dust contact with the eyes can lead to mechanical irritation.

Contact with dust can cause mechanical irritation or drying of the skin.

May form explosive dust-air mixture during processing, handling or other means.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Tricobalt tetraoxide	1308-06-1 215-157-2	Resp. Sens. 1B; H334 Aquatic Chronic 2; H411	>= 30 - < 50

For explanation of abbreviations see section 16.

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SECTION 4: First aid measures

4.1 Description of first aid meas	sure	s
General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
If inhaled	:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
In case of skin contact	:	Wash with water and soap. Get medical attention if symptoms occur.
In case of eye contact	:	If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
4.2 Most important symptoms a	nd (effects, both acute and delayed
Risks	:	May cause allergy or asthma symptoms or breathing difficul- ties if inhaled.
		Excessive exposure may aggravate preexisting asthma and other respiratory disorders (e.g. emphysema, bronchitis, reac- tive airways dysfunction syndrome). Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation.
4.3 Indication of any immediate	me	dical attention and special treatment needed
Treatment	:	Treat symptomatically and supportively.
SECTION 5: Firefighting mea	sur	es

5.1 Extinguishing media

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2)
		Carbon dioxide (CO2)
		Dry chemical

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Unsuitable extinguishing media		:	None known.		
5.2	Special	hazards arising from	the	substance or mi	xture
	Specifi fighting	•	:	Exposure to com	pustion products may be a hazard to health.
	Hazaro ucts	lous combustion prod-	:	Metal oxides	
5.3	Advice	for firefighters			
Special protective equipment for firefighters		:		e, wear self-contained breathing apparatus. tective equipment.	
	Specifi ods	c extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. ged containers from fire area if it is safe to do

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
6.2 Environmental precautions		
Environmental precautions	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. If spillage enters rivers or watercourses, inform the Environ- ment Agency (emergency telephone number 0800 807060).
6.3 Methods and material for cor	ntaiı	nment and cleaning up
Methods for cleaning up	:	Surround spill with absorbents and place a damp covering over the area to minimise entry of the material into the air. Add excess liquid to allow the material to enter into solution. Soak up with inert absorbent material. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dust deposits should not be allowed to accumulate on surfac- es, as these may form an explosive mixture if they are re- leased into the atmosphere in sufficient concentration. Clean up remaining materials from spill with suitable absor- bent. Local or national regulations may apply to releases and dis- posal of this material, as well as those materials and items



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		mine which regu Sections 13 and	cleanup of releases. You will need to deter- ulations are applicable. I 15 of this SDS provide information regarding national requirements.
6.4 Refere	ence to other sectior	IS	
See sectio	ons: 7, 8, 11, 12 and 1	3.	

SECTION 7: Handling and storage

7.1 Precautions for safe handling

		<u> </u>	
	Technical measures	:	Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
	Local/Total ventilation Advice on safe handling	:	Use only with adequate ventilation. Avoid breathing dust, fume, gas, mist, vapours or spray. Do not breathe dust. Do not swallow. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment
			Keep container tightly closed. Already sensitised individuals, and those susceptible to asthma, allergies, chronic or recurrent respiratory disease, should consult their physician regarding working with respira- tory irritants or sensitisers. Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the
	Hygiene measures	:	environment. If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contami- nated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.
າ	Conditions for safe storage	inc	

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	:	Keep in properly labelled containers. Keep tightly closed. Store in accordance with the particular national regulations.
Advice on common storage	:	Do not store with the following product types: Strong oxidizing agents



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7.3 Specific end use(s)

Specific use(s)

: No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis	
Tricobalt tetraoxide	1308-06-1	TWA	0.1 mg/m3 (Cobalt)	GB EH40	
	Further information: Capable of causing occupational asthma., Capable of causing cancer and/or heritable genetic damage.				

Derived No Effect Level (DNEL)

	1 1			
Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Tricobalt tetraoxide	Workers	Inhalation	Long-term local ef- fects	54.5 µg/m3
	Consumers	Inhalation	Long-term local ef- fects	10.9 µg/m3
	Consumers	Ingestion	Long-term systemic effects	12 mg/kg bw/day
Iron	Workers	Inhalation	Long-term local ef- fects	3 mg/m3
	Consumers	Inhalation	Long-term local ef- fects	1.5 mg/m3
	Consumers	Ingestion	Long-term systemic effects	0.71 mg/kg bw/day

Predicted No Effect Concentration (PNEC)

Substance name	Environmental Compartment	Value
Tricobalt tetraoxide	Fresh water	1.06 µg/l
	Marine water	2.36 µg/l
	Sewage treatment plant	0.37 mg/l
	Fresh water sediment	53.8 mg/kg dry weight (d.w.)
	Marine sediment	69.8 mg/kg dry weight (d.w.)
	Soil	10.9 mg/kg dry weight (d.w.)

8.2 Exposure controls

Engineering measures

Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., vacuum conveying from a closed system, packout head with inflatable seal from stationary container, ventilated enclosure, etc.).



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All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Essentially no open handling permitted. Use closed processing systems or containment technologies.

Personal protective equipment

reisonai protective equipit	ient	
Eye/face protection	:	Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Hand protection		
Material	:	Chemical-resistant gloves
Remarks Skin and body protection Respiratory protection	:	Consider double gloving. Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing. If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection.
Filter type	:	Equipment should conform to BS EN 143 Particulates type (P)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Colour Odour Odour Threshold	:	pellets black No data available No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling	:	No data available
range Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.
Upper explosion limit / Upper flammability limit	:	No data available

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		explosion limit / Lower bility limit	:	No data available	9
	Vapour	pressure	:	Not applicable	
	Relative	e vapour density	:	Not applicable	
	Relative	e density	:	No data available	9
	Density	,	:	No data available	9
	Partitio octanol	er solubility n coefficient: n-	::	No data available Not applicable No data available	
	Decom	position temperature	:	No data available	9
		ty cosity, kinematic ve properties	:	Not applicable Not explosive	
	•	ng properties	:		r mixture is not classified as oxidizing.
9.2	Other in	formation			
	Flamma	ability (liquids)	:	Not applicable	
	Molecu	lar weight	:	No data available	9
	Particle	size	:	No data available	9

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	 May form explosive dust-air mixture during processing, han- dling or other means. Can react with strong oxidizing agents.
10.4 Conditions to avoid	
Conditions to avoid	: Heat, flames and sparks. Avoid dust formation.

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0.5 Incompatible materials			
Materials to avoid	:	Oxidizing agents	i
0.6 Hazardous decomposition	n pro	ducts	
No hazardous decompositio	on pro	ducts are known.	
SECTION 11: Toxicological	infor	mation	
1.1 Information on toxicologic	cal ef	fects	
Information on likely routes exposure	of :	Inhalation Skin contact Ingestion Eye contact	
Acute toxicity Not classified based on ava	ilable	information.	
Components:			
Tricobalt tetraoxide:			
Acute oral toxicity	:	LD50 (Rat): > 5,0	00 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 5.0 Exposure time: 4 Test atmosphere: Method: OECD T	h
Acute dermal toxicity	:		00 mg/kg est Guideline 402 on data from similar materials
Skin corrosion/irritation Not classified based on ava	ilable	information.	
Components:			
Tricobalt tetraoxide:			
Species Method	:	reconstructed hur OECD Test Guide	nan epidermis (RhE) eline 431
Species Method	:	reconstructed hur OECD Test Guide	nan epidermis (RhE) eline 439
Result	:	No skin irritation	
Serious eye damage/eye i Not classified based on ava			
Components:			
Tricobalt tetraoxide:			

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Spec Meth Resu	od	: Rabbit : OECD Test G : No eye irritatio	

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Components:

Tricobalt tetraoxide:

Test Type Exposure routes Species Method Result	:	Local lymph node assay (LLNA) Skin contact Mouse OECD Test Guideline 429 negative
Assessment	:	Probability or evidence of low to moderate respiratory sensiti- sation rate in humans
Remarks	:	

Germ cell mutagenicity

Not classified based on available information.

Components:

Tricobalt tetraoxide:

cytogenetic test, chromosomal analysis) Species: Rat Application Route: Ingestion Method: OECD Test Guideline 475 Result: negative	
--	--

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

Components:

Tricobalt tetraoxide:		
Effects on fertility	:	Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat Application Route: Ingestion Method: OECD Test Guideline 422 Result: negative



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Effects on foetal develop- ment		Species: Rat Application Rot	Test Guideline 414
STOT - single exposure Not classified based on available STOT - repeated exposure Not classified based on available Repeated dose toxicity			
<u>Com</u>	oonents:		
Speci NOAE Applic	EL cation Route sure time	: Rat : 300 mg/kg : Ingestion : 90 Days : OECD Test Gu	ideline 408

Aspiration toxicity

Not classified based on available information.

SECTION 12: Ecological information

12.1 Toxicity

Components:

Tricobalt tetraoxide:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Remarks: Based on transformation/dissolution testing and data from soluble metal compounds
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Ceriodaphnia dubia (water flea)): > 100 mg/l Exposure time: 48 h Remarks: Based on transformation/dissolution testing and data from soluble metal compounds
Toxicity to algae/aquatic plants	:	EC50 (Champia parvula (marine algae)): > 1 - 10 mg/l Exposure time: 7 d Remarks: Based on transformation/dissolution testing and data from soluble metal compounds
		EC10 (Champia parvula (marine algae)): > 0.1 - 1 mg/l Exposure time: 7 d



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				on transformation/dissolution testing and metal compounds		
Toxicity to fish (Chronic tox- icity)		:	Species: Pimepha Remarks: Based	EC10: > 1 mg/l Exposure time: 34 d Species: Pimephales promelas (fathead minnow) Remarks: Based on transformation/dissolution testing and data from soluble metal compounds		
ac	oxicity to daphnia and other quatic invertebrates (Chron- toxicity)		EL10: > 0.1 - 1 mg/l Exposure time: 28 d Species: Hyalella azteca (Amphipod) Method: OECD Test Guideline 211 Remarks: Based on transformation/dissolution testing and data from soluble metal compounds			
	ersistence and degradabil o data available	lity				
	ioaccumulative potential					
	o data available					
12.4 Mobility in soil No data available						
12.5 R	esults of PBT and vPvB a	sse	ssment			
Pr	oduct:					
As	ssessment	:	: 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.			
12.6 O	ther adverse effects					
<u>Pr</u>	oduct:					
Er tia	ndocrine disrupting poten- I	:	: This substance/mixture does not contain components consid- ered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).			
SECT	ION 13: Disposal consid	dera	ations			
13.1 W	aste treatment methods					
Pr	oduct	:	According to the are not product s Waste codes sho	ordance with local regulations. European Waste Catalogue, Waste Codes pecific, but application specific. ould be assigned by the user, preferably in		

discussion with the waste disposal authorities.

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			If not otherwise s	pecified: Dispose of as unused product.	
SECTION	N 14: Transport infor	mat	ion		
14.1 UN n	umber				
ADN		:	UN 3077		
ADR		:	UN 3077		
RID		:	UN 3077		
IMDG	;	:	UN 3077		
ΙΑΤΑ		:	UN 3077		
14.2 UN p	roper shipping name				
ADN		:	ENVIRONMENTA N.O.S. (Tricobalt tetraoxi	ALLY HAZARDOUS SUBSTANCE, SOLID, de)	
ADR		:	ENVIRONMENTA N.O.S. (Tricobalt tetraoxi	ALLY HAZARDOUS SUBSTANCE, SOLID, de)	
RID		:	ENVIRONMENTA N.O.S. (Tricobalt tetraoxi	ALLY HAZARDOUS SUBSTANCE, SOLID, de)	
IMDG	3	:	ENVIRONMENTA N.O.S. (Tricobalt tetraoxi	ALLY HAZARDOUS SUBSTANCE, SOLID, de)	
ΙΑΤΑ		:	Environmentally h (Tricobalt tetraoxi	nazardous substance, solid, n.o.s. de)	
14.3 Trans	sport hazard class(es)				
			Class	Subsidiary risks	
ADN		:	9		
ADR		:	9		
RID		:	9		
IMDG	6	:	9		
ΙΑΤΑ		:	9		
14.4 Pack	ing group				
Class Haza Label ADR Packi	ing group sification Code rd Identification Number ls ing group sification Code	:	III M7 90 9 1II M7		

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	Labels	Identification Number restriction code	:	90 9 (-)	
		g group cation Code Identification Number	:	III M7 90 9	
	IMDG Packing Labels EmS C		:	III 9 F-A, S-F	
	aircraft	g instruction (cargo) g instruction (LQ)	:	956 Y956 III Miscellaneous	
	Packing ger airc	g instruction (LQ)	:	956 Y956 III Miscellaneous	
14.	5 Enviro	nmental hazards			
	ADN Enviror	mentally hazardous	:	yes	
	ADR Enviror	mentally hazardous	:	yes	
	RID Enviror	mentally hazardous	:	yes	
	IMDG Marine	pollutant	:	yes	
		Passenger) Imentally hazardous	:	yes	
	IATA ((Enviror	Cargo) mentally hazardous	:	yes	
14.6	14.6 Special precautions for user				

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Remarks

: 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

Relevant EU provisions transposed through retained EU law

Not applicable
Not applicable
)
Quantity 1 Quantity 2
200 t 500 t

Other regulations: Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

The components of this product are reported in the following inventories:

HAZARDS

AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

H411

Other information	: Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.
Full text of H-Statements	
H334	: May cause allergy or asthma symptoms or breathing difficul- ties if inhaled.

: Toxic to aquatic life with long lasting effects.

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Full text of other abbreviations

Aquatic Chronic	: Long-term (chronic) aquatic hazard
Resp. Sens.	: Respiratory sensitisation
GB EH40	: UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA	: Long-term exposure limit (8-hour TWA reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization: IECSC - Inventory of Existing Chemical Substances in China: IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Sources of key data used to :	Internal technical data, data from raw material SDSs, OECD
compile the Safety Data	eChem Portal search results and European Chemicals Agen-
Sheet	cy, http://echa.europa.eu/

Classification of the mixtur	Classification procedure:	
Resp. Sens. 1	H334	Calculation method
Aquatic Chronic 2	H411	Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for



Cobalt Oxide Solid Formulation

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safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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