

Creation Date 07-Mar-2018

Revision Date 18-Jan-2021

Revision Number 2

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

1.1. Product identifier										
Product Description: Cat No. : CAS-No EC-No.	· ·.	Cobalt powder 44085 7440-48-4 231-158-0				·	· .		<u>.</u>	
Molecular Formula Reach Registration Numbe	er	Co :: ***		· · .		1	··.	: * *	÷	···,
1.2. Relevant identified use	es of the s	ubstance or mixt	ure and us	ses advis	ed against			· · · .		
Recommended Use Uses advised against	·	Laboratory chemic No Information av		·	·	·	1. 1.	·	5	·
1.3. Details of the supplier	of the saf	ety data sheet								
Company	al e	Stanford Advance Address : 23661 E Lake Forest, CA 9 Tel: (949) 407-890 Fax: (949) 812-66	Birtcher Dr. 2630 U.S. 04	,	:	e ^r	··		ť	•••.
		Fax. (949) 012-00	90					11		
E-mail address	' '.	sales@samaterial www.samaterials.		1. 1.			[•] •.	.	*	÷.,
1.4. Emergency telephone	number	(949) 407-8904 (This telephone nu	umber is av	vailable 24	hours per d	day, 7 da	iys per wee	k.)	:	•••.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP Classification	- Regula	tion (EC) N	lo 1272/200	<u>)8</u>	11. 1	111	e e e	11. 1	: • •	t.	
Physical hazards Flammable solids	: 1		Ч.			· · ·	Categ	ory 2 (H228)	··		
Health hazards	1		1	1		1	·		·	·	

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1 1 1 1									
Acute oral toxicity Acute Inhalation Toxicity - Dus Serious Eye Damage/Eye Irrita						Category Category Category	1 (H330) 2 (H319)		
Respiratory Sensitization Skin Sensitization Germ Cell Mutagenicity Carcinogenicity	H.	:	÷	H.,	;	Category Category Category Category	1 (H317)	;••	1
Reproductive Toxicity		•••;	1.1	1d	•••:		1B (H360F)	•••;	
Environmental hazards Acute aquatic toxicity Chronic aquatic toxicity	:			14. 1	14 1	Category Category		•••	<u>.</u>
l text of Hazard Statements: see	e section 16	:··		÷.	:	e'	H.		1
Label elements				18	;			•••;	1.1
					14	[··		·	[++
nal Word	Danger	:	al a	- Bu	:	:	H.		e ^r
zard Statements H228 - Flammable solid H302 - Harmful if swallowed H330 - Fatal if inhaled	·	;	<u>.</u>	11	:	<u>.</u>		•••;	
	kin reaction		·	· .	1.1	· · ·	• .	1.1	·
H319 - Causes serious eye irrit H334 - May cause allergy or as H341 - Suspected of causing g	tation sthma sympto jenetic defects			ifficulties if in	nhaled				
H319 - Causes serious eye irrit H334 - May cause allergy or as	tation sthma sympto jenetic defects nhalation	S ; ' '	athing d	ifficulties if in	nhaled	×	H.		
H334 - May cause allergy or as H341 - Suspected of causing g H350i - May cause cancer by ir H360F - May damage fertility H410 - Very toxic to aquatic life ecautionary Statements P210 - Keep away from heat, h	tation sthma sympto lenetic defects nhalation with long las	s sting effect	athing d s en flame	es and other	ignition so	ai 14	:::		-
H319 - Causes serious eye irrit H334 - May cause allergy or as H341 - Suspected of causing g H350i - May cause cancer by ir H360F - May damage fertility H410 - Very toxic to aquatic life cautionary Statements P210 - Keep away from heat, h P280 - Wear protective gloves/ P370 + P378 - In case of fire: L P301 + P330 + P331 - IF SWA P304 + P340 - IF INHALED: Re	tation sthma sympto penetic defects nhalation with long las pot surfaces, s protective clo Jse dry sand, LLOWED: rin emove victim	s sparks, op thing/eye dry chemi se mouth. to fresh ai	athing d s protectio cal or a Do NO r and ke	es and other on/face prote Icohol-resist T induce vor eep at rest ir	ignition so ection ant foam fo niting	urces. No sn or extinction	noking	··:	
H319 - Causes serious eye irrit H334 - May cause allergy or as H341 - Suspected of causing g H350i - May cause cancer by ir H360F - May damage fertility H410 - Very toxic to aquatic life cautionary Statements P210 - Keep away from heat, h P280 - Wear protective gloves/ P370 + P378 - In case of fire: L P301 + P330 + P331 - IF SWA	tation sthma sympto penetic defects nhalation with long las pot surfaces, s protective clo Jse dry sand, LLOWED: rin emove victim SON CENTER ash with plent (ES: Rinse ca	s sparks, ope thing/eye dry chemi se mouth. to fresh ai & or doctor y of soap	athing d s en flame protectio ical or a Do NO r and ke /physici and wat	es and other on/face prote lcohol-resist T induce vor eep at rest ir an	ignition so ection ant foam fo miting a position	urces. No sn or extinction comfortable	noking for breathing		
H319 - Causes serious eye irrit H334 - May cause allergy or as H341 - Suspected of causing g H350i - May cause cancer by ir H360F - May damage fertility H410 - Very toxic to aquatic life ecautionary Statements P210 - Keep away from heat, h P280 - Wear protective gloves/ P370 + P378 - In case of fire: L P301 + P330 + P331 - IF SWA P304 + P340 - IF INHALED: Re P310 - Immediately call a POIS P302 + P352 - IF ON SKIN: Wa P305 + P351 + P338 - IF IN EY easy to do. Continue rinsing P284 - Wear respiratory protec	tation sthma sympto penetic defects nhalation with long las pot surfaces, s protective clo Jse dry sand, LLOWED: rin emove victim SON CENTER ash with plent (ES: Rinse ca	sparks, op thing/eye dry chemi se mouth. to fresh ai & or doctor y of soap autiously w	athing d s s protectic cal or a Do NO r and ke /physici and wat vith wate	es and other on/face prote lcohol-resist T induce vor eep at rest in an ter er for severa	ignition so ection ant foam fo miting a position I minutes. F	urces. No sn or extinction comfortable	noking for breathing act lenses, i) f preser	
H319 - Causes serious eye irrit H334 - May cause allergy or as H341 - Suspected of causing g H350i - May cause cancer by ir H360F - May damage fertility H410 - Very toxic to aquatic life ecautionary Statements P210 - Keep away from heat, h P280 - Wear protective gloves/ P370 + P378 - In case of fire: L P301 + P330 + P331 - IF SWA P304 + P340 - IF INHALED: Re P310 - Immediately call a POIS P302 + P352 - IF ON SKIN: Wa P305 + P351 + P338 - IF IN EY easy to do. Continue rinsing P284 - Wear respiratory protect	tation sthma sympto penetic defects nhalation with long las ot surfaces, s protective clo Jse dry sand, LLOWED: rin emove victim SON CENTER ash with plent (ES: Rinse ca stion	sparks, op thing/eye dry chemi se mouth. to fresh ai & or doctor y of soap autiously w	athing d s s protectic cal or a Do NO r and ke /physici and wat vith wate	es and other on/face prote lcohol-resist T induce vor eep at rest in an ter er for severa	ignition so ection ant foam fo miting a position I minutes. F	urces. No sn or extinction comfortable Remove cont	noking for breathing act lenses, i) f preser	

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2.3. Other hazards

In accordance with Annex XIII of the REACH Regulation, inorganic substances do not require assessment

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

	Component		CAS-No	EC-No.	Weight %	CLP Classification - Regulation (EC) No 1272/2008
in.	Cobalt, powde	PL	7440-48-4	EEC No. 231-158-0	<=100	Flam. Sol. 2 (H228) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) Acute Tox. 4 (H302) Acute Tox. 1 (H330) Eye Irrit. 2 (H319)
				at de.		Muta. 2 (H341) Carc. 1B (H350i) Repr. 1B (H360F) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)

	Component	Specific concentration limits	M-Factor	Component notes		
1.1.1	 A second sec second second sec	(SCL's)	and the second			
· · (Cobalt, powder	· - · · · ·	10 (acute)	-		
			1 (Chronic)			

Reach Registration Number

Full text of Hazard Statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures **General Advice** Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In Eye Contact the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. **Skin Contact** Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required. Do NOT induce vomiting. Call a physician or poison control center immediately. Ingestion Inhalation Remove to fresh air. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required. Self-Protection of the First Aider Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. 4.2. Most important symptoms and effects, both acute and delayed

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

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		reathing, t	tingling of	otoms of aller f the hands a						
4.3. Indication of any immediate n	nedical atter	ntion and	special	treatment ne	eeded	:		:	:	
Notes to Physician	Treat syn	nptomatic	ally.							
	SECTIO	N 5: FI	REFIG	HTING M	EASU	RES				
5.1. Extinguishing media		·	<u>.</u>	· .			1.			
Suitable Extinguishing Media Use extinguishing measures that are dioxide (CO2), dry chemical, alcoho			ircumsta	nces and the	surround	ding envir	onment. Wat	er spray, c	carbon	
Extinguishing media which must No information available.	not be used	for safet	y reasor	IS	:	:	÷.	:	:	
5.2. Special hazards arising from	the substan	<u>ce or mix</u>	<u>cture</u>		•••	1.1		•••	1.1	
Do not allow run-off from fire-fighting	g to enter dra	ins or wa	ter cours	es.						
Hazardous Combustion Products None under normal use conditions.	14.	· · :		te.	14		:		<u>.</u>	
5.3. Advice for firefighters										
As in any fire, wear self-contained b protective gear. Thermal decomposition							d or equivale	nt) and ful	II ^{; '}	
SEC	TION 6:	ACCID	ENTAI	RELEAS	SE ME	ASURE	S			
6.1. Personal precautions, protect					<u>es</u>				· · · ·	
Ensure adequate ventilation. Use pe		inve eour		required Av	oid duct	formation	Koon noon	o owov fro	, m and	
upwind of spill/leak. Evacuate perso	onnel to safe		pinentac	s required. Av	oid dust	formation	. Keep peopl	e away frc	om and	
upwind of spill/leak. Evacuate perso 6.2. Environmental precautions	onnel to safe :		, '	s required. Av	roid dust :	formation	. Keep peopl	e away frc	om and	
	anitary sewer	system. [Do not all	low material t	o contarr	inate gro	und water sy	:	: ¹	
6.2. Environmental precautions Do not flush into surface water or sa	anitary sewer authorities sh	areas. system. [nould be a	Do not all advised if	low material t	o contarr	inate gro	und water sy	:	: ¹	
6.2. Environmental precautions Do not flush into surface water or sa product from entering drains. Local a	anitary sewer authorities sh Itainment an	areas. system. [nould be a <u>d cleanin</u>	Do not all advised if ng up	low material t significant sp	o contam billages c	iinate gro annot be	und water sy	:	: ¹	
 6.2. Environmental precautions Do not flush into surface water or sa product from entering drains. Local a 6.3. Methods and material for con 	anitary sewer authorities sh Itainment an	areas. system. [nould be a <u>d cleanin</u>	Do not all advised if ng up	low material t significant sp	o contam billages c	iinate gro annot be	und water sy contained.	stem. Prev	: ¹	
 6.2. Environmental precautions Do not flush into surface water or sa product from entering drains. Local a 6.3. Methods and material for con Sweep up and shovel into suitable c 	anitary sewer authorities sh atainment an containers for	areas. system. [nould be a <u>d cleanin</u> disposal.	Do not all advised if ng up	low material t significant sp	o contam billages c	iinate gro annot be	und water sy contained.	stem. Prev	÷	
 6.2. Environmental precautions Do not flush into surface water or sa product from entering drains. Local a 6.3. Methods and material for con Sweep up and shovel into suitable of 6.4. Reference to other sections 	anitary sewer authorities sh ntainment an containers for in Sections 8	areas. system. I nould be a d cleanin disposal. and 13.	Do not all advised if n <u>g up</u> . Avoid du	low material t significant sp	o contam billages c	inate gro annot be	und water sy contained.	stem. Prev	÷	
6.2. Environmental precautions Do not flush into surface water or sa product from entering drains. Local a 6.3. Methods and material for con Sweep up and shovel into suitable o 6.4. Reference to other sections Refer to protective measures listed i	anitary sewer authorities sh atainment an containers for in Sections 8 <u>SECTIO</u>	areas. system. I nould be a d cleanin disposal. and 13.	Do not all advised if n <u>g up</u> . Avoid du	low material t significant sp ust formation.	o contam billages c	inate gro annot be	und water sy contained.	stem. Prev	÷	
 6.2. Environmental precautions Do not flush into surface water or sa product from entering drains. Local a 6.3. Methods and material for con Sweep up and shovel into suitable or 6.4. Reference to other sections 	anitary sewer authorities sh ntainment an containers for in Sections 8 <u>SECTIO</u>	areas. system. I nould be a d cleanin disposal. and 13. N 7: H/	Do not all advised if ng up . Avoid du	low material t significant sp ust formation.	o contam billages ca	inate gro annot be	und water sy contained.	stem. Prev	vent	

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under a chemical fume hood. Do not breathe (dust, vapor, mist, gas). Do not ingest. If swallowed then seek immediate medical assistance.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities	•••;			•••	
Keep container tightly closed in a dry and well-ventilated place.					
Technical Rules for Hazardous Substances (TRGS) 510 Storage Class (LGK (Germany))	Class 4.	1B		

7.3. Specific end use(s)

Use in laboratories

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits

List source(s): **UK** - EH40/2005 Work Exposure Limits, Third edition. Published 2018. **IRE -** 2018 Code of Practice for the Chemical Agents Regulations, Schedule 1. Published by the Health and Safety Authority

Com		The United Kir	ngdom	Euro	bean Unio	n	Ireland			
Cobalt, powder			STEL: 0.3 mg/m³ 15 min TWA: 0.1 mg/m³ 8 hr Resp. Sens.				÷.,	TWA: 0.02 mg/m ³ 8 hr. STEL: 0.3 mg/m ³ 15 min		
Biological limit values	1.1		•••;	14	· · ·	•••	1.1		•••	

List source(s):

Monitoring methods

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust

Derived No Effect Level (DNEL) No information available

Route of exposure		Acute effects (local)			Acute effects (systemic)	•••;	Chronic e (local		Chronic effects (systemic)		
Oral											
Dermal											
Inhalation	1	1.	1.1	1.1	1	1.1	1	1.	1.1	1	

Predicted No Effect Concentration No information available. (PNEC)

8.2. Exposure controls

Engineering Measures

Ensure that eyewash stations and safety showers are close to the workstation location. Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to

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control hazardous materials at source

Personal protective equipment

Eye Protection Goggles (European standard - EN 166)

Hand Protection

Cobalt powder

Protective gloves

Glove material Natural rubber	Breakthrough time See manufacturers	Glove thickness	EU standard EN 374		Glove comments (minimum requirement)				
Nitrile rubber Neoprene PVC	recommendations	·····	1.	•••;		:.			
Skin and body pro	tection Long sle	eved clothing	1.	1.1	· · · ·	1.	1.1	1.1	

Inspect gloves before use.

Odor

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)

Ensure gloves are suitable for the task: Chemical compatability, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Remove gloves with care avoiding skin contamination.

	Respiratory Protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.	
	ta de la	To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly	
	Large scale/emergency use	Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced Recommended Filter type: Particulates filter conforming to EN 143	
	Small scale/Laboratory use	Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.	
. :		Recommended half mask: - Particle filtering: EN149:2001 When RPE is used a face piece Fit Test should be conducted	
	Environmental exposure contro	Is Prevent product from entering drains. Do not allow material to contaminate ground water	,

Prevent product from entering drains. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES 9.1. Information on basic physical and chemical properties Solid Powder **Physical State** Appearance No information available **Odor Threshold** No data available Melting Point/Range 1495 °C / 2723 °F Softening Point No data available

Boiling Point/Range Flammability (liquid) Flammability (solid,gas) Explosion Limits	2870 °C / 5198 °F Not applicable No information available No data available	н. Н.	Solid	e.	· .		et.	
Flash Point Autoignition Temperature Decomposition Temperature	No information available No data available No data available		Method -	No inform	mation avai	lable	14	
pH Viscosity Water Solubility	No information available Not applicable Insoluble	1	Solid		÷	1.j		

	Cobalt powder		SAFET	Y DAT	TA SHI	EET		Revisi	on Date 18	3-Jan-202	`∷: 1
	Solubility in other solven Partition Coefficient (n-o Vapor Pressure Density / Specific Gravi Bulk Density	ctanol/wa	No information ava ter) No data available No data available No data available	ilable					•••		- :·.
:	Vapor Density Particle characteristics	:	Not applicable No data available	1	÷.	Solid	:	÷.,		:	÷.
:.:	9.2. Other information		at na	1.1			1.1		•••	1.1	
<u>.</u>	Molecular Formula Molecular Weight Flammable solids Evaporation Rate	<u>.</u>	Co 58.93 Burning rate or bur Not applicable - So		= > 5 minu	ites and <=	= 10 minu	tes			
: '		S	ECTION 10: ST	ABILIT	Y AND	REACT	IVITY	1 	1 (1) 1	1	÷.
	10.1. Reactivity	14	None known, base	d on inforr	mation ava	ilable			•••;		
	10.2. Chemical stability		Stable under norm	al conditio	ns.			:·.		<u>.</u>	÷.
	10.3. Possibility of hazar	dous reac	tions_								
:	Hazardous Polymerization Hazardous Reactions	on ;	No information ava		ng.		÷	÷.	; · ·	:	÷.
	10.4. Conditions to avoid 10.5. Incompatible mater		Incompatible produ	icts. Exces	ss heat.	••;			••;		· . :
	10.6. Hazardous decomp	1	None known.	<u>.</u>	:	1 4	[++	1×.	14	1	
		<u>osition pr</u>	None under norma	al use con	ditions.						
		SE	CTION 11: TOX		GICAL I	NFORM					:.

	SECTION	11: TOXICOL	LOGICAL	INFORMATION	
,				1	

	•••;	1.1		•••;		 1.1		1.1	
Product Inform	mation								
(a) acute toxic Oral Dermal Inhalation			Catego No data Catego	a available	н 1 - 1				

:	· · · ·	Componen Cobalt, powd		LD	LD50 C 50 = 6171 m)	LD50 Derr	nal		C50 Inhalation mg/L (Rat)		÷.
. :	(b) skin corro	osion/irrita	ition;	No da	ata available	9		:	14	1at	•••;		J
	14.	· . :		14	1.		÷.,		<u>.</u>	:	1	<u>.</u>	14.

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	(c) serious eye damage/irritation	; Category 2	10						
	(d) respiratory or skin sensitizati Respiratory Skin	on; Category 1 Category 1	. *	:.			 	. '	
		No information a	vailable						
;	(e) germ cell mutagenicity;	Category 2			•••;	1.1		1.1	

(f) carcinogenicity; No data available

The table below indicates whether each agency has listed any ingredient as a carcinogen

Component	EU		UK		Germany	1	IARC	-]
Cobalt, powder					Cat. 2		Group	2B	
(g) reproductive toxicity;	Category 1B	;	÷.,	:	:	÷.,	:**	÷	÷.
(h) STOT-single exposure;	No data available	<u>.</u>		•••	1.1		•••;	:.: :	1
(i) STOT-repeated exposure;	No data available		÷.,		1.0	÷.			÷.
Target Organs	None known.								
(j) aspiration hazard;	Not applicable Solid	;			:	÷.,		:	÷.,
Symptoms / effects both acute	and Symptoms of aller	nic react	tion may inc	oludo rach i	tching sv	velling trou	hla braathin	a tinalin	a

Symptoms / effects,both acute and
delayedSymptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling
of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing.

11.2. Information on other hazards

Endocrine Disrupting Properties Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Cobalt powder

Ecotoxicity effects

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment.

		· · · · · ·	
Component	Freshwater Fish	Water Flea	Freshwater Algae
Cobalt, powder	LC50: > 100 mg/L, 96h static (Brachydanio rerio)		

Component	Microtox	M-Factor
Cobalt, powder		10 (acute)
		1 (Chronic)

12.2. Persistence and degradability

Persistence Insoluble in water.

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	Degradability Degradation in sewage treatment plant	Not relevant for inorganic substances. Contains substances known to be hazardous to the environment or not d water treatment plants.	egradabl	e in waste	
; '	12.3. Bioaccumulative potential	May have some potential to bioaccumulate	:**	÷	
. :	12.4. Mobility in soil	Spillage unlikely to penetrate soil Is not likely mobile in the environment solubility.	due its lo	w water	
	<u>12.5. Results of PBT and vPvB</u> assessment	In accordance with Annex XIII of the REACH Regulation, inorganic subst require assessment.	ances do	o not	
:	<u>12.6. Endocrine disrupting</u> properties Endocrine Disruptor Information	This product does not contain any known or suspected endocrine disrupt	ors	:	
. :	<u>12.7. Other adverse effects</u> Persistent Organic Pollutant Ozone Depletion Potential	This product does not contain any known or suspected substance This product does not contain any known or suspected substance	••;	14	
	SI SI	CTION 13: DISPOSAL CONSIDERATIONS	1		
	13.1. Waste treatment methods				
	Waste from Residues/Unused Products	Waste is classified as hazardous. Dispose of in accordance with the Euro on waste and hazardous waste. Dispose of in accordance with local regu		rectives	
. :	Contaminated Packaging	Dispose of this container to hazardous or special waste collection point. I retain product residue, (liquid and/or vapor), and can be dangerous. Keel empty container away from heat and sources of ignition.			
	European Waste Catalogue (EWC) Other Information	According to the European Waste Catalog, Waste Codes are not product application specific. Do not flush to sewer. Waste codes should be assigned by the user base application for which the product was used. Can be landfilled or incinerat compliance with local regulations. Do not let this chemical enter the envir empty into drains.	ed on the ed, when	n in	•
	S	ECTION 14: TRANSPORT INFORMATION			
. :	IMDG/IMO	at ha ta tat ha tat tat	••;	100	
	<u>14.1. UN number</u> <u>14.2. UN proper shipping name</u> Technical Shipping Name <u>14.3. Transport hazard class(es)</u> 14.4. Packing group	UN3089 METAL POWDER, FLAMMABLE, N.O.S Cobalt, powder 4.1 II	1		
: '		k. Hit at an at an a	:	:	
. :	<u>14.1. UN number</u> <u>14.2. UN proper shipping name</u> Technical Shipping Name <u>14.3. Transport hazard class(es)</u>	UN3089 METAL POWDER, FLAMMABLE, N.O.S Cobalt, powder 4.1	;	10	ı
	<u>14.4. Packing group</u>	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	· . ;	[++	

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		-									
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TA									1		
I.1. UN number I.2. UN proper shipping Technical Shipping Na I.3. Transport hazard cla	ame	Cobalt, p 4.1		, FLAMMA	ABLE, N.C).S	:				:
4.4. Packing group		II									
4.5. Environmental haza	<u>rds</u>			environm e pollutan		g to the c	riteria se	t by IME) G/IMO	•••;	
4.6. Special precautions	for user	No specia	al precau	tions requi	ired	· · ;				· . ;	1
4.7. Maritime transport ir ccording to IMO instrum		Not appli	cable, pa	ckaged go	ods						
	SE	CTION	15: RE	GULAT	ORY I	VFORM	ΙΑΤΙΟ	N			;
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5.1. Safety, health and er	nvironmen	ai regula	tions/leg	islation s		or the sui	ostance	or mixt	<u>ire</u>	•••;	
ternational Inventories = listed, Europe (EINECS/EL AICS), Korea (ECL).	-INCS/NLP),	U.S.A. (TS	CA), Cana	da (DSL/NI	OSL), Philip	opines (PIC	CCS), Chi	na (IECS	C), Japan ((ENCS), /	Australia
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Cobalt, powder	231-158-0	-		X	X	-	X	X	X	X	KE-0606 0
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H228 - Flammable solid H302 - Harmful if swallowed

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Revision Date 18-Jan-2021

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SDS authoring systems update, replaces ChemGes SDS No. 7440-48-4/1. eet complies with the requirements of Regulation (EC) No. 1907/2006 GULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 Disclaimer In this Safety Data Sheet is correct to the best of our knowledge, information and belief at the nformation given is designed only as a guidance for safe handling, use, processing, storage, and release and is not to be considered a warranty or quality specification. The information										

Revision Date 18-Jan-2021

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