

## COMACC Co-6 E/LA Safety Data Sheet

according to Regulation (EU) 2015/830  
Revision date: 31/05/2018

Version: 04

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

#### 1.1 Product Identifier:

Product Name : COBALT BIS (2-ETHYLHEXANOATE) IN LOW AROMATIC WHITE SPIRITS  
Trade Name : **COMACC: Co-6 E/LA**

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

Intended Use : Polyester Accelerator

#### 1.3 Details of Supplier of the safety data sheet:

Manufacturer & supplier  
**COMAR Chemicals (Pty) Ltd**  
Neil Hare Road  
Atlantis Industrial  
Cape Town  
South Africa  
Tel : (+27) 21 577-1333  
Fax : (+27) 21 577-1343  
e-mail: [info@comarchem.co.za](mailto:info@comarchem.co.za)  
[www.comarchem.com](http://www.comarchem.com)

#### 1.4 Emergency Telephone number:

Emergency number +27-827740071 / +27 21 5771333/ +27 825774766

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification : Flam. Liq. 3, H226  
Skin Irrit. 2, H315  
Asp. Tox. 1, H304  
Aquatic Chronic 2, H412

Physical/chemical hazards : Flammable liquid and vapour.  
Human health hazards : Maybe fatal if swallowed and enters airways.  
Irritating to skin.  
Vapours may cause drowsiness and dizziness.  
Environmental hazards : Toxic to aquatic organisms, may cause long-term adverse effects  
in the aquatic environment.

#### 2.2 Label Elements

Hazard pictograms :



GHS02



GHS08



GHS07



GHS09

Signal Word : **Danger**  
Hazard Statements : H226 - Flammable liquid and vapour.  
H315 - Causes skin irritation.  
H304 - May be fatal if swallowed and enters airways.  
H336 - May cause drowsiness or dizziness.  
H401 - Toxic to aquatic life.

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**Additional warning phrases** : Repeated exposure may cause skin dryness or cracking.

### Precautionary statements

**Prevention** : P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking  
P240: Ground/bond container and receiving equipment  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P243: Take precautionary measures against static discharge.  
P273: Avoid release to the environment.

**Response** : P301+PP310: IF SWALLOWED: Immediately call a POISON CENTRE or physician.  
P331: Do NOT induce vomiting.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

**Storage** : P403+P235: Store in a well ventilated place. Keep cool.

**Disposal** : P501: Dispose of contents and container in accordance with all local, regional, national and international regulations.

### 2.3 Other Hazards

**Other hazards which do not result in classification** : None known

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

**Product definition (REACH)** : Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Cobalt bis (2-ethylhexanoate)	(CAS No) 136-52-7 (EC no) 205-250-6	35	
Naphtha (petroleum), hydrodesulfurised heavy	EINECS: 265-185-4 CAS: 64742-82-1	61	Flam. Liq.3 , H226 Skin Irrit. 2, H315
Glycol Ether	(CAS No) 111-76-2 (EC No) 203-905-0	1 - 5	
			<b>See Section 16 for the full text of the H-phrases declared above.</b>

Occupational exposure limits, if available, are listed in Section 8.

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### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of First Aid measures

<b>After Inhalation</b>	:	Keep victim calm and remove to fresh air if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.-
<b>After skin contact</b>	:	Remove clothing and wash affected areas thoroughly with water and soap.
<b>After eye contact</b>	:	Rinse thoroughly with water until irritation stops. If irritation continues, consult a Doctor.
<b>After Ingestion</b>	:	If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment.

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

See Section 11 for more detailed information on health effects and symptoms

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

See Section 11 for more detailed information on health effects and symptoms

### SECTION 5: FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media

<b>Suitable Extinguishing media</b>	:	Powder, foam, sand, or CO <sub>2</sub>
<b>Un-suitable extinguishing media</b>	:	Do not use water-jet

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

<b>Hazardous combustion product</b>	:	Decomposition may include the following products: Metal oxides and/ Carbon oxides.
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#### 5.3 Advice for fire-fighters

<b>Special precautions for fire-fighters</b>	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk.
<b>Special Protection Equipment for fire-fighters</b>	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA).

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Remove sources of ignition.  
Ground containers.  
Ensure sufficient ventilation, or provide respiratory protection.  
Protect eyes and skin.

#### 6.2 Environmental precautions

Inform relevant local authorities.  
Inform inhabitants of areas that will be affected of possible fire / explosion.

#### 6.3 Methods and materials for containment and clean-up

Do not allow ingress into ground or surface water, or drainage systems.  
Fill into containers and dispose at toxic waste disposal sites.  
Local regulations must be observed.

#### 6.4 Reference to other Sections

Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Precautions for safe handling : Do not smoke. Remove sources of ignition. Avoid contact with skin, eyes and clothing. Handle material in adequately ventilated areas. Ensure proper use of recommended safety apparel. Do not use compressed air or compressed oxygen for transfer of product. Partially used drums must be securely closed after use.

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

Store in a cool, dry and ventilated area. Keep away from incompatible materials such as oxidising agents. Ensure material is kept in a closed container. Keep away from ignition sources.

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1. Control parameters

##### Components with limit values that require monitoring at the workplace:

Relevant exposure limits are:

##### Cobalt (Dust and Fumes):

ACGIH (America)

TLV: 0.02 mg/m<sup>3</sup> (TWA)

End of Shift: 15µg/l – urine

1µg/l - blood

OSHA PEL: 0.1 mg/m<sup>3</sup> (TWA)

SAIOH (South Africa)

Occupational Exposure Limit – recommended limit 0.1 mg/m<sup>3</sup>

##### Naphtha (petroleum), hydrodesulfurised heavy

ACGIH (America)

TLV-TWA: 100 ppm, 525 mg/m<sup>3</sup>

##### Glycol Ether:

ACGIH (America)

TLV-TWA: 20 ppm (8 hours)

OSHA PEL Z1: 240 mg/m<sup>3</sup>

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

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### 8.2 Exposure Controls

Hand protection	:	Approved Dust Respirator recommended.
Eye protection	:	Full-cover goggles recommended
Skin protection	:	PVC/rubber gloves (impervious)



Hygiene measures	:	Keep away from food. Wash hands thoroughly with water and soap before breaks and at the end of a work day. Provide separate storage of work clothes and private clothes.
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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### Appearance:

Physical state	:	Clear Liquid
Colour	:	Violet
Odour	:	Slight oil/alcohol smell

#### Important health, safety and environmental information:

Boiling Point	:	>140 °C
pH	:	not measurable
Flash Point	:	>35 °C (as per ASTM D93)
Solidification Temperature	:	<-20 °C
Density	:	890 kg/m <sup>3</sup> (as per ASTM D 1298)

#### SOLVENT

Boiling Point/Range	:	>140 °C
Solubility	:	soluble in organic solvents such as white spirits, xylol, alcohol, glycol
Explosion limits	:	approx. 0.6% to 6.5% vol/vol
Vapour Pressure	:	<10 hPa

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

The product is stable under normal conditions.

### 10.2 Chemical stability

The product is stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

### 10.4 Conditions to avoid

Avoid all possible sources of ignition (spark or flame).

### 10.5 Incompatible materials

Avoid strong oxidisers, inorganic acids, organic peroxides

### 10.6 Hazardous decomposition products

Metal oxides and carbon oxides. At pyrolysis temperature in excess of 1000 °C possible formation of metal oxides, CO, CO<sub>2</sub>, and vapours of acid decomposition.

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### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on Toxicological effects

##### Potential Acute health effects:

Inhalation	:	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Ingestion	:	Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach.
Skin contact	:	May cause skin irritation.
Eye contact	:	May cause eye irritation.

##### Acute Toxicity:

Product name / ingredient	Result	Species	Dose	Exposure
White Spirits	LD50 Oral	* Rat	>2000 mg/kg	-
White Spirits	LD50 Dermal	* Rat	>2000 mg/kg	-
White Spirits	LD50 Inhalation vapour	* Rat	>5 mg/l	-
Cobalt	LD50 Oral	*Rat	6.17 g/kg	-

\*Test results on an analogous product.

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

Product name / ingredient	Test	Result	Species	Exposure
White Spirits	Estimated	1 < LC50 ≤ 10 mg/l	Fish	-
	Estimated	1 < EC50 ≤ 10 mg/l	Daphnia	-
	Estimated	1 < IC50 ≤ 10 mg/l	Algae	-
	Estimated	1 < IC50 ≤ 10 mg/l	Bacteria	-
	Estimated	1 < EC50 ≤ 10 mg/l	Sewage Treatment Organisms	-

#### 12.2 Persistence and degradability:

No data available.

#### 12.3 Bioaccumulative potential

No data available.

#### 12.4 Mobility

No data available.

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### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods









##### Product

**Methods of disposal** : Examine possibilities for re-utilisation. Product residues and uncleaned empty containers should be packaged, sealed, labelled, and disposed of or recycled according to relevant national and local regulations. Where large quantities are concerned, consult the supplier. Do not dispose into the environment, in drains or in water courses. Waste material should not be allowed to contaminate soil or water.

##### Packaging

**Methods of disposal** : Disposal should be in accordance with applicable regional, national, and local laws and regulations.

### SECTION 14 : TRANSPORT INFORMATION

	ADR / RID	ADN	IMDG	IATA
<b>14.1 UN Number</b>	UN1263	UN1263	UN1263	UN1993
<b>14.2 UN Proper shipping name</b>	PAINT RELATED MATERIAL (COBALT OCTOATE)	PAINT RELATED MATERIAL (COBALT OCTOATE)	PAINT RELATED MATERIAL (COBALT OCTOATE)	FLAMMABLE LIQUID, N.O.S (COBALT OCTOATE)
<b>14.3 Transport hazard class / marks</b>	 	 	 	 
<b>14.4 Packing Group</b>	III	III	III	III
<b>14.5 Environmental hazards</b>	Yes	Yes	Yes	Yes

#### 14.6 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 regulation/legislation specific for the substance or mixture

EC Label Name : Low Aromatic White Spirits  
EC Classification : Flammable, Dangerous for the environment  
EC Symbol : N  
  
EINECS (EC) : 265-185-4  
MITI (Japan) : 9-1699  
TSCA (USA) : Listed  
AICS (Australia) : Listed  
DSL (Canada) : Listed  
TCCL (Korea) : 9212-4362  
PICCS (Philippines) : Listed

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### SECTION 16: OTHER INFORMATION

#### Abbreviations and acronyms

ATE	:	Acute toxicity estimate
CLP	:	Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL	:	Derived No Effect level
EUH statement	:	CLP-specific Hazard statement
PBT	:	Persistent, Bio-accumulative and Toxic
PNEC	:	Predicted No Effect Concentration
RRN	:	REACH Registration number
vPvB	:	Very Persistent and very Bio-accumulative

#### Full Text of abbreviated H statements

H226	:	Flammable liquid and vapour.
H304	:	May be fatal if swallowed and enters airways.
H315	:	Causes skin irritation.
H336	:	May cause drowsiness or dizziness.
H411	:	Toxic to aquatic life with long lasting effects

**DATE OF PREVIOUS VERSION** : 01/10/2012

**REVISION REASON** : GHS Format

The information and recommendations contained herein are believed to be accurate and reliable at the time of issue. It is however the user's responsibility to satisfy itself that the product is suitable for the intended use. No warranties, either implied or expressed, shall be extended as to the accuracy or completeness of the information contained herein, and we assume no responsibility regarding the suitability of the information for the user's intended purposes or for the consequences of its use.