

COMAR CHEMICALS (Pty) Ltd

Reg. No. 1995/003437/7

SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION : **LEAD BIS (2-ETHYLHEXANOATE) IN LOW AROMATIC WHITE SPIRITS**

SYNONYMS : **Lead Octoate, Lead 2-ethyl hexanoate**

PRODUCT TRADE NAME : **COMMET : Pb-36 E/LA**

INTENDED USE : **Paint Drier**

COMPANY IDENTIFICATION : **COMAR Chemicals (Pty) Ltd**
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SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components :

Component	CAS No.	EINECS No.	Concentration (% m/m)	Symbol, Risk Phrases
Lead bis (2-ethylhexanoate)	15696-43-2	239-790-9	80	Xn, R22, R43, R33, R61
Medium aliphatic Petroleum solvent	64742-88-7	649-405-00	20	Xn, R65

Composition comments : Lead Carboxylate of metal concentration 36% m/m.

SECTION 3. HAZARD IDENTIFICATION

Classification : T, Xn , R22, R43, R20/21/22, R36/37, R65, R33, R61

- Toxic
- Harmful
- Harmful if swallowed
- May cause both dermal and respiratory sensitization.
- Harmful by inhalation, in contact with skin and if swallowed
- Irritating to the eyes and respiratory system
- Harmful: may cause lung damage if swallowed
- Danger of cumulative effects
- Can affect unborn foetes

SECTION 4. FIRST AID MEASURES

- **AFTER INHALATION**
Assistants must be equipped with breathing apparatus. In case of poisoning , the affected person must be removed out of the contaminated area and artificial respiration be applied. In case of breathing difficulties, the Patient must be kept calm, and medical assistance must be obtained.
- **AFTER SKIN CONTACT**
Remove clothing and wash affected areas thoroughly with water and soap.
- **AFTER EYE CONTACT**
Rinse thoroughly with water until irritation stops. If irritation continues, consult a Doctor.
- **AFTER INGESTION**
Keep affected person calm, and call a Doctor. Do not induce vomiting.

SECTION 5. FIRE FIGHTING MEASURES

- **APPROPRIATE EXTINGUISHING MEDIA :**
Powder, Foam ,sand ,or CO₂
- **UNSAFE SUBSTANCES / METHODS OF EXTINGUISHING:**
Avoid direct water-jet
- **FIRE-FIGHTING INSTRUCTIONS :**
Wear self-contained breathing apparatus and standard protective equipment
- **HAZARD COMBUSTION PRODUCTS :**
Metal oxides and/or Carbon oxides may be released

SECTION 6. ACCIDENTAL RELEASE MEASURES

- **PRECAUTIONARY SAFETY MEASURES :**
Remove sources of ignition. Ground containers. Ensure sufficient ventilation, or provide respiratory protection. Protect eyes and skin.
- **ENVIRONMENTAL MEASURES :**
Inform relevant local authorities. Inform inhabitants of areas that will be affected by possible fire / explosion.
- **CLEANING UP AND SPILLAGE REMOVAL :**
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.

SECTION 7. HANDLING AND STORAGE

- **SAFE HANDLING AND PRECAUTIONS :**
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.
- **STORAGE :**
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 CONTROL / PERSONAL PROTECTION
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- **EXPOSURE LIMITS :****Lead :**

Dust and fumes of Lead :

ACGIH : Lead[7439-92-1], inorg. dusts & fumes, as Pb : TLV-TWA 0.15 mg/m³ (1986), intended change 0.05 mg/m³)BEI(ACGIH 1993) : Lead in blood : 50 micro g/100 ml. Lead in urin : 150 micro g/g creatinine. MAK : Lead[7439-92-1] : 0.1 mg/m³ Sp. Cat. measured as total dust. BAT (DFG) : Lead 700 micro g/l 300 micro g/l (women < 45 J.)**Medium aliphatic (petroleum) hydrocarbon (white spirits) :**Biological Exposure Index: ACGIH : TLV-TWA : 100 ppm 525 mg/m³.- **PERSONAL PROTECTIVE EQUIPMENT :**

- | | |
|--|---|
| <ul style="list-style-type: none"> - Inhalation : - Skin Contact : - Eye Contact : General Hygiene and Protective measures : | <ul style="list-style-type: none"> Approved Dust Respirator recommended. PVC/rubber gloves (impervious) Full-cover goggles recommended 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. |
|--|---|
- Do not allow material to be released into the environment.

SECTION 9.	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance	Clear Liquid
Colour	Yellow / Pale straw
Odour	slight oil/alcohol smell
pH	not measurable
Boiling Point	>140 °C
Solidification temperature	<-20 °C
Flash Point	> 35 °C (as per ASTM D 93)
Density	1400 kg/m ³ (as per ASTM D 1298)

SOLVENT :

Boiling point/range	>140 °C
Explosive limits	approx 0.6 % to 6.5 % vol/vol
Vapour pressure	< 10 hPa
Solubility	soluble in organic solvents such as white spirits, xylol, alcohol, glycol

SECTION 10. STABILITY AND REACTIVITY

- **STABILITY :**
Material is stable under normal conditions.
- **CONDITIONS TO AVOID :**
Avoid areas of ignition sources or open flames
- **MATERIALS TO AVOID :**
Avoid strong oxidisers, inorganic acids, organic peroxides
- **HAZARDOUS DECOMPOSITION PRODUCTS :**
Metal oxides and carbon oxides. At pyrolysis temperatures in excess of 1000°C possible formation of Metal oxides, CO, CO₂, and vapours of acid decomposition.

SECTION 11. TOXICOLOGICAL INFORMATION

- **Lead :** LD50 Acute : 74mg/kg (mouse)
Acute : 93mg/kg (rat)
 - Carcinogen
 - Evidence of mutagenic effects in experimental animals
 - Exposure routes by inhalation or skin : May cause both dermal and respiratory sensitization.
 - No data is available for reproductive toxicity
- **White Spirits :** (Rabbits) LD50: > 2000mg/kg for acute dermal toxicity. Practically non-toxic.

SECTION 12. ECOLOGICAL INFORMATION

- **ECOTOXICITY :**
No data available.
- **MOBILITY :**
No data available
- **PERSISTENCE AND DEGRADABILITY :**
No data available

SECTION 13. DISPOSAL CONSIDERATIONS

- **REGULATORY DISPOSAL INFORMATION**
EUROPEAN WASTE CODE : 07 :Wastes from Organic Chemical Processes
- Municipal Council Directive 91/689/EEC for Hazardous Waste
- **RESIDUAL WASTES AND EMPTY CONTAINERS :**
Disposal must be in accordance with local applicable laws and regulations.

SECTION 14. TRANSPORT INFORMATION
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- **LAND & INLAND WATERWAYS (ADR/RID/ADNR)** :
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|-----------------------|---------------------------------------|
| UN No | 1263 |
| Product Shipping Name | Paint related material (Lead Octoate) |
| Class | 3 |
| Letter | F |
| Packing Group | III |
| Labelling number | 3 |
- **SEA (IMDG)** :
- | | |
|-----------------------|---------------------------------------|
| UN No | 1263 |
| Product Shipping Name | Paint related material (Lead Octoate) |
| Class | 3 |
| Letter | F |
| Packing Group | III |
| Labelling number | 3 |
| Marine pollutant | Yes |
| MFAG | 311 |
- **AIR (IATA)** :
- | | |
|-----------------------|--------------------------------------|
| UN No | 1993 |
| Product Shipping Name | Flammable liquid nos* (Lead Octoate) |
| Class | 3 |
| Letter | F |
| Packing Group | III |
| Labelling number | 3 |

SECTION 15. REGULATORY INFORMATION

Material is Dangerous as defined by the EU Substance/Preparations Directive

CLASSIFICATION : Flammable, Harmful, Irritant, Toxic

SYMBOL :

F X_n T

FLAMMABLE, HARMFUL, TOXIC, IRRITANT

- **NATURE OF SPECIAL RISK :**

- | | | |
|------------------|---|--|
| R22 | - | Harmful if swallowed |
| R43 | - | May cause sensitization by skin contact |
| R20/21/22 | - | Harmful by inhalation, in contact with skin and if swallowed |
| R33 | - | Danger of cumulative effects |
| R 36/37 | - | Irritating to the eyes and respiratory system |
| R 61 | - | Can affect unborn foetus |
| R 65 | - | Harmful: may cause lung damage if swallowed |

- **SAFETY ADVISE :**

- | | | |
|---------------|---|--|
| S24 | - | Avoid contact with skin |
| S28 | - | In case of skin contact, wash immediately with water and soap |
| S36/37 | - | Wear suitable protective gloves and overalls when handling product |

- **CONTAINS :** Lead bis(2-ethylhexanoate) in Low aromatic white spirits

- **REGULATORY STATUS AND APPLICABLE LAWS AND REGULATIONS : EINECS**

SECTION 16.

OTHER INFORMATION

- **KEY TO THE RISK PHRASES IN SECTION 2 AND 3 :**

- R22 - Harmful if swallowed
- R43 - May cause sensitization by skin contact
- R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed
- R33 - Danger of cumulative effects
- R 36/37 - Irritating to the eyes and respiratory system
- R 61 - Can affect unborn foetes
- R 65 - Harmful: may cause lung damage if swallowed

- **REVISED INFORMATION :**

Revision incorporates product density.

