



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Cobalt (II) 2,2,6,6-tetramethyl-3,5-heptanedionate**
PRODUCT NUMBER: 1515
CAS NUMBER: 13986-53-3
SYNONYMS: Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)cobalt(II), Co(TMHD)₂, Cobalt tetramethylheptanedionate, Cobalt(II)bis(2,2,6,6-tetramethyl-3,5-heptanedionate)

MANUFACTURER:

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Warning

Hazard Statements

H317	May cause an allergic skin reaction.
H341	Suspected of causing genetic defects.

Precautionary Phrases

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

EYE CONTACT: May cause irritation to the eyes.

SKIN CONTACT: May cause allergic skin reaction.

INHALATION: May cause respiratory irritation.

INGESTION: Causes irritation and possible genetic defects.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $\text{Co}(\text{C}_{11}\text{H}_{19}\text{O}_2)_2$

Molecular Weight: 425.47

CHEMICAL NAME	CAS#	%
Cobalt (II) 2,2,6,6-tetramethyl-3,5-heptanedionate	13986-53-3	100

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

SKIN EXPOSURE: Wash affected area with water. Take off immediately all contaminated clothing. Seek medical assistance if irritation persists.

INHALATION: Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases, seek immediate medical assistance.

INGESTION: Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious).

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not available

AUTO IGNITION TEMPERATURE: None

EXPLOSION LIMITS: None

EXTINGUISHING MEDIUM: Carbon dioxide or foam dry powder. Use extinguishing media that is suitable for surrounding fires.

SPECIAL FIRE FIGHTING PROCEDURES: If involved in a fire, fire fighters should be equipped with a NIOSH approved positive self-contained breathing apparatus, flame and chemical resistant clothing, hats, boots, and gloves.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: None known

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Use personal protective equipment. Avoid dust formation. Avoid breathing dust, vapors, mist, or gas. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS: Do not let product enter drains or allow to be released into the environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up and shovel into suitable container for disposal. Keep in suitable, closed containers for disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear personal protective equipment/face protection. Avoid formation of dust and contact with skin and eyes. Provide appropriate exhaust ventilation at places where dust is formed.

CONDITIONS FOR SAFE STORAGE: Keep in a dry and well-ventilated place in tightly closed container.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYE PROTECTION: Always wear approved safety glasses with side shields, or safety goggles, face shield when handling a chemical substance in the laboratory.

SKIN PROTECTION: Chemical resistant gloves.

VENTILATION: Handle in an efficient chemical fume hood.

RESPIRATOR: If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.13.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Purple powder

MOLECULAR WEIGHT: 425.47

BOILING POINT: No data available

MELTING POINT: 143° C

SPECIFIC GRAVITY: No data available

SOLUBILITY IN WATER: Insoluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: No hazardous polymerization

CONDITIONS TO AVOID: No data available

INCOMPATIBILITY: Strong oxidizing agents

DECOMPOSITION PRODUCTS: None known

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: No data available

CARCINOGENIC EFFECTS: No components of this product present at levels greater than or equal to 0.1% is identified as a confirmed carcinogen by IARC, ACGIH, NTP, and OSHA.

MUTAGENIC EFFECTS: No data available

TETRATOGENIC EFFECTS: No data available

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

No information available

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

SECTION 14 TRANSPORTATION DATA

Not a dangerous good

SECTION 15 REGULATORY INFORMATION

TSCA: Listed in the TSCA inventory

SARA 313: Not listed

CALIFORNIA PROP. 65: This product does not contain any proposition 65 chemicals.

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, ProChem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE PREVIOUSLY PREPARED: 10/25

DATE REVISED: 7/26

REVISE SUMMERARY: Removed Fax Number. All other details in this document and about this product remained unchanged. Reviewed/Approved 7/26 - Updated by EHS 7/10/26.

EHS/SDS Dept