

COBALT ACETATE
MATERIAL SAFETY DATA SHEET

INTEGRA Chemical Company
1216 6th Ave N
Kent WA 98032
Phone: 253-479-7000
24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)

MSDS Number: C680
Revision Date: 16-Apr-08
Revision No.: 004

Page 1

Product Identification

Product Name: COBALT ACETATE
Synonyms: Cobaltous acetate; Cobalt (II) acetate
Chemical Formula: (CH₃COO)₂Co 4H₂O
Formula Weight: 249.08
Chemical Family: Cobalt compound
Integra Product Numbers: C680.10

Hazard Overview

HMIS Rating: 1-0-1-B NFPA Rating: NE
Warning Label:

Caution!

May cause irritation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Components

<u>Component</u>	<u>CAS #</u>	<u>%</u>
Cobalt acetate	06147-53-1	100

Physical Data

<u>Boiling Point:</u>	NA	<u>Specific Gravity:</u>	1.70 Water=1
<u>Melting Point:</u>	NA	<u>Evaporation Rate:</u>	NA
<u>Vapor Pressure:</u>	NA	<u>Vapor Density:</u>	NA Air = 1

Solubility:

Appreciably soluble (>10%) in water.

Appearance and Odor:

Red crystals. Faint acetic acid odor.

Fire and Explosion Data

Flash Point: NA Test Method:
Auto-ignition Temperature: NA
Flammable Limits (% by volume in air): Upper: NA Lower: NA

Fire Extinguishing Media:

Material is not flammable. Use extinguishing media suitable to surrounding materials.

Special Firefighting Procedures:

Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.

Unusual Fire and Explosion Hazards:

None identified

Health Hazard Information

Effects of Overexposure

Skin Contact:

Contact may cause skin irritation.

Eye Contact:

COBALT ACETATE
MATERIAL SAFETY DATA SHEET

INTEGRA Chemical Company
1216 6th Ave N
Kent WA 98032
Phone: 253-479-7000
24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)

MSDS Number: C680
Revision Date: 16-Apr-08
Revision No.: 004

Page 2

Health Hazard Information

Eye Contact:

May irritate or burn the eyes.

Ingestion:

Harmful if swallowed. Ingestion may cause headache, dizziness, nausea, vomiting, gastrointestinal irritation .

Inhalation:

Inhalation may irritate the nose, throat and upper respiratory tract.

Chronic Effects of Overexposure:

None Identified

Exposure Limits:

	<u>TWA</u>	<u>OSHA PEL</u> <u>STEL</u>	<u>Ceiling</u>
Cobalt acetate	NE	NE	NE
	<u>TWA</u>	<u>ACGIH TLV</u> <u>STEL</u>	<u>Ceiling</u>
Cobalt acetate	NE	NE	NE

Toxicity Data:

Cobalt acetate LD50 (oral, rat) 708 mg/ka

Medical Conditions Generally Aggravated by Exposure:

None Identified

Target Organs:

None Identified

Reproductive Effects:

None Identified

Carcinogenicity:

None Identified

<u>Component</u>	<u>NTP Listing</u>	<u>IARC Listing</u>	<u>OSHA Regulated</u>
Cobalt acetate	No listing	No listing	<input type="checkbox"/>

Emergency First Aid Procedures

Skin Contact:

Wash with soap and water. Seek medical attention if irritation develops.

Eye Contact:

Flush eyes with water. If irritation persists, seek medical attention.

Inhalation:

Remove to fresh air.

Ingestion:

If conscious, give victim large amounts of water. Seek medical attention.

Additional First aid and Treatment Notes:

No information available

Reactivity Data

Stability: Stable

COBALT ACETATE
MATERIAL SAFETY DATA SHEET

INTEGRA Chemical Company
1216 6th Ave N
Kent WA 98032
Phone: 253-479-7000
24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)

MSDS Number: C680
Revision Date: 16-Apr-08
Revision No.: 004

Page 3

Reactivity Data

Hazardous Polymerization: Will Not Occur

Incompatibles:

Incompatible with strong oxidizers.

Decomposition Products:

Oxides of carbon (CO, CO₂)

Conditions to Avoid:

Excessive heat.

Spill and Disposal Procedures

Spill and Leak Procedures:

Disposal Procedures:

Dispose in accordance with all Local, State and Federal regulations.

Protective Equipment

Ventilation:

Use adequate general or local exhaust ventilation to keep fume and/or dust levels as low as possible.

Respiratory Protection:

None needed unless use generates annoying or irritating dusts, mists or vapors. Use a dust/mist respirator mask if necessary.

Skin and Eye Protective Equipment:

Safety goggles, protective clothing and gloves. Maintain an eyewash station and safety shower nearby.

Storage and Handling Precautions

Storage Area: GENERAL

Store in a cool, dry, well-ventilated area. Store away from incompatible materials. Protect containers from physical damage.

Transportation Information

Regulated Material domestic ground transportation

(reference: CFR Title 49, Transportation)

Proper Shipping Name:

UN or NA Identification number:

Packing Group:

Hazard Class and Label:

Subsidiary Risk and Label:

Regulated Material via Air Transportation

(reference: ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air)

Proper Shipping Name:

UN Identification Number:

Packing Group:

Hazard Class and Label:

Subsidiary Risk and Label:

Packing Instruction Max net qty per package

Passenger Aircraft:

Cargo Aircraft:

COBALT ACETATE
MATERIAL SAFETY DATA SHEET

INTEGRA Chemical Company
 1216 6th Ave N
 Kent WA 98032
 Phone: 253-479-7000
 24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)

MSDS Number: C680
 Revision Date: 16-Apr-08
 Revision No.: 004

Regulatory Information

<u>Component</u>	<u>TSCA</u> <u>Inventory</u>	<u>CERCLA</u> <u>RQ</u>	<u>SARA EHS</u> <u>TPQ</u>	<u>SARA 313 Toxic Release</u> <u>de minimus</u>
Cobalt acetate	<input checked="" type="checkbox"/>	lbs	<input type="checkbox"/>	lbs <input type="checkbox"/>
<u>SARA Hazard Categories:</u>	<u>Acute</u>	<u>Chronic</u>	<u>Flammability</u>	<u>Pressure</u>
Cobalt acetate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Clean Air Act Categories:</u>	<u>SOCMI</u>	<u>HAP</u>	<u>Volatile HAP</u>	<u>Organic HAP</u>
Cobalt acetate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

MSDS Revision History:

- 002 - Changed header phone number
- 003 - Format revisions; updated header phone number
- 004 - Updated Header Information

NE = Not established, NA = Not applicable or Not available

The information presented above is offered for informational purposes only. This MSDS, and the associated product, is intended for use only by technically qualified persons, and at their own discretion and risk. Since conditions and manner of use are outside the control of Integra Chemical Company, we make no warranties, either expressed or implied, and assume no liability in connection with any use of this information.

***** END OF MSDS *****