



# UNIVAR

**Univar USA Inc.**  
**6100 Carillon Point**  
**Kirkland, WA 98033**  
**(425) 889-3400**

For Emergency Assistance involving chemicals call - CHEMTREC (800) 424-9300

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 PRODUCT IDENTIFICATION  
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PRODUCT NAME: LIBREL COPPER CHELATE 14%  
 MSDS#: 50285  
 DATE ISSUED: 11/13/01  
 SUPERSEDES: NEW  
 ISSUED BY: 009311

Ciba Specialty Chemicals Corporation USA  
 2301 Wilroy Road - P.O. Box 820  
 Suffolk, VA 23434  
 8am to 5pm Phone: (757)538-3700  
 24-Hour Health/Environmental Emergency Phone: (800)873-1138

## Material Safety Data Sheet

### SECTION 1. PRODUCT IDENTIFICATION

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Trade Name: LIBREL CU  
 Chemical Family: High stability, soluble metal complex.

HMIS RATING: Health: 1\*  
 Flammability: 1  
 Reactivity: 0  
 Protective Equipment: X

### SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

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O	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS	CARCINOGEN
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S H A			ACGIH			OSHA		MFR.	STATUS		
			TWA	STEL	PEL	STEL	IARC		NTP	OSHA	
*	14025-15-1	ORGANOMETALLIC COPPER COMPOUND	NE	NE	NE	NE	NE	NR	NR	NR	
*	5064-31-3	TRISODIUM NITRILOTRIACETATE	NE	NE	NE	NE	NE	Yes	NR	NR	

NE = Not Established    NR = Not Reviewed    \* = OSHA Hazardous Ingredient

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SECTION 3. HAZARDS IDENTIFICATION  
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Emergency Overview:

Description: Blue granular solid.

Statement of Hazards: Contains a possible human carcinogen

Precautionary Measures: Follow good manufacturing practices and avoid exposure to product.

Primary Route(s) of Entry: Unspecified.

Signs and Symptoms of Exposure: Eye contact may produce slight irritation and/or redness. Inhaled dust may cause some respiratory irritation.

Carcinogenicity: Contains salts of nitrilotriacetic acid. Nitrilotriacetic acid, trisodium salt is listed by IARC as a possible human carcinogen (Group 2B).

Target Organ(s): Unspecified.

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SECTION 4. FIRST AID MEASURES  
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Ingestion: Consult a physician. Never give anything by mouth to an unconscious person.

Skin: Remove contaminated clothing and launder before reuse. Wash effected area with soap and water.

Inhalation: Remove to fresh air.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

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SECTION 5. FIRE FIGHTING MEASURES  
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Flash Point: Not Applicable

Autoignition: Not Evaluated

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: Not Evaluated.

Fire Fighting Extinguishing Media:

Water spray or fog. Product may smolder if ignited.

Fire Fighting Equipment:

Firefighters should wear normal protective equipment. SCBA is recommended for confined areas, or when nature of combustion products is not known.

**Fire and Explosion Hazards:**

Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting, and eliminate open flame and other sources of ignition.

Extinguishing Media to Avoid: None.

**Hazardous Combustion Products:**

Oxides of carbon and nitrogen. Heavy metal fumes.

Dust Explosivity: Not evaluated.

Emergency Response Guidebook Information: No ERG # indicated.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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**Accidental Release Measures:**

Sweep up and collect dry product. Then water wash area to waste treatment.

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**SECTION 7. HANDLING AND STORAGE**

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**Precautions:**

Keep containers closed and properly labeled. Do not reuse containers. (Refer also to Section VII) Good personal hygiene practices can reduce potential exposure. Wash with soap and water following any contact with this product, as well as before breaks and meals. Shower and change clothing at end of work shift. If clothing becomes contaminated, remove and launder or dry-clean before reuse.

Storage Information: Store in cool dry location.

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**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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Skin Protection: Impervious gloves are recommended.

Respiratory Protection: Use NIOSH approved dust respirator as required to control exposure. Follow ANSI Z88.2.

Eye Protection: Goggles (ANSI Z87.1 std; safety glasses alone do not protect from dust).

Engineering Controls: Provide mechanical ventilation to prevent dust concentrations, and to reduce potential exposure.

Exposure Guidelines: No exposure guidelines established. Avoid all unnecessary exposure.

Additional Information: Provide eyewash station(s). Select additional protective equipment (eg apron, face shield, etc.), depending on conditions of use.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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Physical Form:	Granules
Color:	Blue
Odor:	Little or No
Odor Threshold:	Not Applicable
Physical State:	Solid
Solubility in Water:	Soluble
Vapor Pressure:	Not Evaluated
Specific Gravity:	0.7
Boiling Point:	Not Applicable
Melting Point:	Not Applicable
Freezing Point:	Not Applicable
Decomposition Temperature:	Not Evaluated
Evaporation Rate:	Not Applicable
Vapor Density:	Not Applicable
VOC:	Not Evaluated
pH:	Not Applicable
Coefficient of water/oil:	Not Evaluated

Percent Volatile:  
None expected above trace levels.

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#### SECTION 10. STABILITY AND REACTIVITY

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Conditions to Avoid: Avoid wet and humid conditions.  
Stability: Stable.  
Hazardous Polymerization: Will not occur.  
Hazardous Decomposition Products: No decomposition expected under normal storage conditions.  
Incompatibility: Strong oxidants and alkalines.

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#### SECTION 11. TOXICOLOGICAL INFORMATION

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Acute Oral Toxicity:  
14025-15-1 ORGANOMETALLIC COPPER COMPOUND  
LD50 (Rats): 2 g/kg.  
LD50 (Guinea pig): 5300 mg/kg.

Carcinogenicity:  
Contains Nitrilotriacetic acid and it's salts. Nitrilotriacetic acid is listed by IARC as a possible human carcinogen.

Toxicologically Synergistic Products:  
None known.

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#### SECTION 12. ECOLOGICAL INFORMATION

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Ecological Information:  
No data available.

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#### SECTION 13. DISPOSAL CONSIDERATIONS

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## RCRA Hazard Class:

This product, when unadulterated, is not a RCRA regulated hazardous waste.

## Waste Disposal Method:

Disposal must be arranged in accordance with local, state and federal regulations. Care must be taken to prevent environmental contamination from the disposal of material, residues and containers.

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SECTION 14. TRANSPORT INFORMATION  
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## DOT:

Proper Shipping Name: NOT A DOT/IMO HAZARDOUS MATERIAL

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SECTION 15. REGULATORY INFORMATION  
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## US Federal Regulations:

Chemical Weapons Convention (CWC): This product does not contain any chemicals listed under the Chemical Weapons Convention Schedules of Chemicals.

Clean Air Act -Hazardous Air Pollutants (HAP): This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

Clean Air Act - Ozone Depleting Substances (ODS): This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

Clean Water Act - Priority Pollutants (PP): This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

Occupational Safety and Health Act (OSHA): This product is considered to be a hazardous chemical under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Resource Conservation and Recovery Act (RCRA): This product is not considered to be a P or U listed hazardous waste under RCRA (40 CFR 261).

SARA Title III: Section 302 - Extremely Hazardous Substances (EHS): This product does not contain any chemicals regulated under Section 302 (40 CFR 355) as extremely hazardous substances.

SARA Title III: Section 304 - CERCLA: This product does not contain any chemicals regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification ("CERCLA" List).

SARA Title III: Section 311/312 - Hazard Communication Standard (HCS): Chronic health hazard.

SARA Title III: Section 313 Toxic Chemical List (TCL): This product contains a toxic chemical(s) for routine annual toxic chemical release reporting under section 313 (40 CFR 372). This information must be included in all MSDS's copied or distributed for this material. CASRN: 14025-15-1  
Common Name: Organomaeticlic copper compound.

TSCA Section 5(e) - Consent Order / SNUR: This product is not subject to a Section 5(e) Consent Order or Significant New Use Rule (SNUR).

TSCA Section 8(b) - Inventory Status: All chemical(s) comprising this product are either exempt or listed on the TSCA inventory.

TSCA Section 12(b) - Export Notification: This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

State Regulations:

California Proposition 65: This product does not contain any chemicals currently on the California list of Known Carcinogens and Reproductive Toxins.

Massachusetts Right-to-Know: The following is required composition information: Chemical Name: TRISODIUM NITRILOTRIACETATE (Impurity)  
CASRN: 5064-31-3  
Percent in Composition: 0.1 - 3 % by wt

New Jersey Right-to-Know: The following is required composition information:  
Chemical Name: ORGANOMETALLIC COPPER COMPOUND  
CASRN: 14025-15-1  
Chemical Name: WATER  
CASRN: 7732-18-5  
Chemical Name: TRISODIUM NITRILOTRIACETATE  
CASRN: 5064-31-3

Pennsylvania Right-to-Know: The following is required composition information:  
Chemical Name: ORGANOMETALLIC COPPER COMPOUND  
CASRN: 14025-15-1  
Comment: Not on Pennsylvania Hazardous Substance List  
Chemical Name: WATER  
CASRN: 7732-18-5  
Comment: Not on Pennsylvania Hazardous Substance List

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SECTION 16. OTHER INFORMATION  
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For Additional Information:  
Contact: MSDS Coordinator - Univar USA  
During business hours, Pacific Time - (425) 889-3400

NOTICE

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Do not use ingredient information and/or ingredient percentages in this MSDS as a product specification. For product specification information refer to a Product Specification Sheet and/or a Certificate of Analysis. These can be obtained from your local Univar USA Sales Office.

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END OF MSDS