



UNIVAR

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

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PRODUCT NAME: LIBREL ZN
 MSDS NUMBER: P21779VS
 DATE ISSUED: 2/9/2005
 SUPERSEDES: 1/13/2004
 ISSUED BY: 009311

Material Safety Data Sheet

OSHA / ANSI 2003 Compliant

NFPA Rating Health: 1 Flammability: 1 Instability: 0

HMIS Rating Health: 1* Flammability: 1 Physical Hazard: 0 Personal Protection: E

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: LIBREL ZN

Product Number: 7935730

Chemical Family: High stability, soluble metal complex.

Manufacturer/Supplier: Ciba Specialty Chemicals Corporation

2301 Wilroy Road

Suffolk, VA 23434

8:30am - 5pm Phone Number: 1-757-538-3700

MSDS Request Line (voicemail): 1-800-431-2360

Customer Service/Product Information 1-800-322-3885

Emergency 24-Hour Health/Environmental Phone: 1-800-873-1138

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Signal Word: CAUTION!

Physical Form: Granular

Color: White

Odor: Little or no

Health: Eye contact may produce slight irritation and/or redness. Inhaled dust may cause some respiratory irritation.

Physical Hazards: Refer to MSDS Section 7 for Dust Explosion information.

OSHA Hazardous Substance: This material is classified as hazardous under OSHA regulations.

Primary Route(s) of Entry: Ingestion, Skin, Inhalation, Eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Components	CAS Number	Weight %
NITRILOTRIACETIC ACID	139-13-9	1-3
ZINC EDTA, SODIUM SALT	14025-21-9	94.1

4. FIRST AID MEASURES

Eyes: Immediately flush the eye(s) with lukewarm, gently flowing water for 15 minutes or until the chemical is removed. Lift or retract eyelids often while flushing with water. Get immediate medical attention if irritation persists.

Skin: If clothing is contaminated, remove and launder before reuse. Wash off immediately with soap and plenty of water. Get medical attention if irritation occurs.

Inhalation: Remove to fresh air, if not breathing give artificial respiration. If breathing is difficult, give oxygen and get immediate medical attention.

Ingestion: Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Fire Fighting Measures: Standard procedure for chemical fires.

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam or water mist.

Fire Fighting Equipment: Wear self-contained breathing apparatus and protective suit.

Unusual hazards: The product can form an explosive dust/air mixture. For further information, see Section 7 Explosion Hazards.

Hazardous Combustion Products: Burning may produce toxic combustion products.

6. ACCIDENTAL RELEASE MEASURES

Cleanup Instructions: Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Wear suitable protective equipment. Should not be released into the environment.

7. HANDLING AND STORAGE

Handling: As with all industrial chemicals, use good industrial practices

when handling. Avoid eye, skin, and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation.

Storage: Keep containers tightly closed in a cool, well-ventilated place.

Explosion Hazards: - Combustible powder.

- Avoid creating dusty conditions.
- Grounding is required when emptying into a conductive container.
- When flammable solvents are present, the container must be inerted or the system otherwise designed to prevent or contain an explosion. Seek expert advice.

In addition, for products packaged in fused-lined (coated) fiber drums, fiber drums with conductive liners, steel drums, steel pails, and Type C FIBC (bulk bags), or other conductive the following instructions also apply:

- Always ground this package before emptying.

The user is responsible for designing the system to handle solid and ensuring proper training of employees in the system's use.

For Industrial Use Only.

8. EXPOSURE CONTROLS I PERSONAL PROTECTION

Exposure Guidelines:

There are no OSHA or ACGIH exposure guidelines available for component(s) in this product.

Personal Protective Equipment

Eye/Face Protection: Wear safety glasses or goggles to protect against dust particles.

Skin Protection: Wear chemical resistant gloves and protective clothing.

Respiratory Protection: Use NIOSH approved respirator as needed to mitigate exposure.

Engineering Controls: Work in well ventilated areas. Do not breathe dust.

Other Protective Equipment: Eyewash station and safety shower should be available in immediate work area. Select additional protective equipment based upon potential for exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Granular

Color: White

Odor: Little or no.

Freezing/Melting Point: Not determined

Solubility in water: Soluble

Vapor Density: Not applicable

Vapor Pressure: Not applicable

Density: Not determined

Specific Gravity: 0.7

pH: Not determined

Percent Volatile: Not determined

VOC: Not determined

Partition Coefficient (Octanol/Water): Not determined
 Decomposition Temperature: Not determined
 Flammability Limits in Air:
 Flash point: Not applicable
 Test Method (for Flash Point): Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: Avoid static discharge.

Incompatibility: Strong oxidizing agents, strong acids, strong bases.

Hazardous Decomposition Products: No decomposition expected under normal storage conditions.

Possibility of Hazardous Reactions: None expected.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: Not determined Acute Dermal Toxicity: Not determined

Acute Inhalation Toxicity: Not determined Eye Irritation: Not determined

Skin Irritation: Not determined Skin Sensitization: Not determined

Carcinogenicity (IARC; NTP; OSHA; ACGIH): The following component(s) in this product at concentrations greater than 0.1 % are listed by IARC; NTP, OSHA, or ACGIH as a carcinogen.

Components	IARC	NTP	OSHA	ACGIH
NITRILOTRIACETIC ACID 139-13-9	2B	**		

IARC Footnote: 2B = Possible carcinogen.

NTP Footnote: ** Anticipated carcinogen.

Table Footnote: Blank cells in above table indicate no data available.

Carcinogenicity Studies: Contains Nitriilotriacetic acid and its salts. Nitriilotriacetic acid is listed by IARC as a possible human carcinogen.

Mutagenicity: Not determined Reproductive Toxicity: Not determined

Teratogenicity: Not determined Neurotoxicity: Not determined

Subacute Toxicity: Not determined

Subchronic Toxicity: Not determined Chronic toxicity: Not determined

Absorption / Distribution / Excretion / Metabolism: Not determined

Toxicologically Synergistic Products: Not determined

Additional Information: Not determined

12. ECOLOGICAL INFORMATION

Toxicity to Fish: Not determined

Toxicity to Invertebrates: Not determined
Toxicity to Algae: Not determined
Toxicity to Sewage Bacteria: Not determined
Activated Sludge Respiration Inhibition Test: Not determined
Biochemical Oxygen Demand (BOD): Not determined
Chemical Oxygen Demand (COD): Not determined
Total Oxygen Demand (TOD): Not determined
Biodegradability: Not determined
Bioaccumulation: Not determined
Additional Environmental Data: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose in accordance with local, state, provincial and federal regulations.

14. TRANSPORT INFORMATION

U.S. Department of Transportation (DOT): Not regulated for this mode of transport.

International Maritime Dangerous Goods (IMDG): Not regulated for this mode of transport.

International Air Transportation Authority (IATA): Not regulated for this mode of transport.

15. REGULATORY INFORMATION.

Federal Regulations

OSHA Hazardous Substance: This material is classified as hazardous under OSHA regulations

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 112 (40 CFR 61).

Clean Air Act - Volatile Organic Compounds (VOC): This product does not contain any SOCOMI Intermediate or Final Volatile Organic Compounds (VOC), as defined by the U.S. Clean Air Act Section 111 (40 CFR 60.489).

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).

Resource Conservation and Recovery Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261.21).

SARA Section 302 Extremely Hazardous Substances (EHS): This product does not contain any components regulated under Section 302 (40 CFR 355) as Extremely Hazardous Substances.

SARA Section 304 CERCLA Hazardous Substances: This product does not contain any components regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification (CERCLA List).

SARA Section 311/312 Hazard Communication Standard (HCS): This product is regulated under Section 311/312 HCS (40 CFR 370), Acute (immediate) health hazard.

SARA Section 313 Toxic Chemical List (TCL): The following component(s) are listed on the Section 313 Toxic Chemical List:

Components	Weight %	Section 313 Status
NITRILOTRIACETIC ACID 139-13-9	1-3	Listed.

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

TSCA Section 5(e) Consent Orders: This product is not subject to a Section 5(e) Consent Order.

TSCA Significant New Use Rule (SNUR): This product is not subject to a Significant New Use Rule (SNUR). TSCA Section 5(f): This product is not subject to a Section 5(f)/6(a) rule.

TSCA Section 12(b) Export Notification: This product does not contain any component(s) that are subject to a Section 12(b) Export Notification

State Regulations

California Proposition 65: This product contains the following component(s) currently on the California list of Known Carcinogens and Reproductive Toxins.

Components	California Proposition 65
NITRILOTRIACETIC ACID 139-13-9	Carcinogenic.

Pennsylvania Right-To-Know: This product contains the following component(s) which are subject to Pennsylvania Right-to-Know disclosure requirement.

Components	CAS Number	Pennsylvania Right-to-Know
NITRILOTRIACETIC ACID	139-13-9	Listed. Environmental hazard. Special hazard.

International Regulations

Chemical Weapons Convention (CWC): This product does not contain any component(s) listed under the Chemical Weapons Convention Schedule of Chemicals.

Domestic Substance List (DSL) Status: All components are listed on the DSL.

For Additional Information:

Contact: MSDS Coordinator - Univar USA

During business hours, Pacific Time - (425) 889-3400

NOTICE

Univar USA expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

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