



# 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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The Version Date for this MSDS is : 04/18/2005

PRODUCT NAME: LIBREL FE-DP  
 MSDS NUMBER: P18060VS  
 DATE ISSUED: 3/14/2005  
 SUPERSEDES: 8/21/2003  
 ISSUED BY: 005168

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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: X

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: LIBREL FE-DP  
 Product Number: 4677486  
 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: Solid

Color: Yellow

Odor: Slight

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

Components	CAS Number	Weight
Glycine, N,N-bis (carboxymethyl) -, trisodium salt	5064-31-3	3

### 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 / 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: Eye wash 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: Solid

Color: Yellow

Odor: Slight.

Freezing/Melting Point: Not determined

Solubility in water: Not determined

Vapor Density: Not applicable

Vapor Pressure: Not applicable

Density: Not determined

Specific Gravity: Not applicable  
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
Glycine, N,N-bis(carboxymethyl)-, trisodium salt 5064-31-3	2B			

IARC Footnote: 2B = Possible carcinogen.

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

#### Carcinogenicity Studies:

Contains Nitrilotriacetic acid and its salts. Nitrilotriacetic 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  
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, Chronic (delayed) health hazard.

SARA Section 313 Toxic Chemical List (TCL): This product does not contain any component(s) listed on the Section 313 Toxic Chemical List.

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 does not contain any components currently on the California list of Known Carcinogens and Reproductive Toxins.

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
Glycine, N,N-bis(carboxymethyl)-, trisodium salt	5064-31-3	Not Listed.
Iron Sodium Complex	Trade Secret	Not Listed.
Non-hazardous impurity	Trade Secret	Not Listed.
Acid salt complex	Trade Secret	Listed. Environmental hazard.
Water	7732-18-5	Not Listed.

#### International Regulations

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

#### 16. OTHER INFORMATION

Reason for revision: Formulation revision.

#### 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