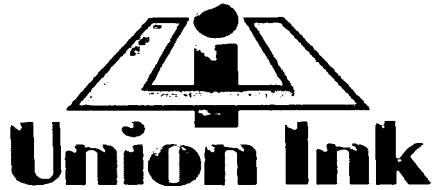


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Union Ink Company
453 Broad Avenue
Ridgefield, NJ 07657

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURING LOCATION:

Union Ink Company
453 Broad Avenue
Ridgefield, NJ 07657
201-945-5766

HAZARDOUS MATERIAL INFORMATION SYSTEM:

| | |
|-----------------------------|----------|
| Health: | 1 |
| Flammability: | 0 |
| Reactivity: | 0 |
| Personal Protection: | B |

IN CASE OF EMERGENCY CONTACT: 201-945-5766

PRODUCT NAME: Union EF Curable Reducer
CHEMICAL FAMILY: Polyvinyl Chloride Dispersion, Non Phthalate
PRODUCT CODE: PLRE-9000

DATE REVISED: 10/11/2010
SUPERSEDES: None
VERSION: 1

PREPARED BY: Kimberly C. Leitch (704) 553-0046 ext. 155

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Low hazard for normal industrial use.

EYE CONTACT: Low hazard for normal industrial use; however, any material that contacts the eye may cause mechanical irritation.

SKIN CONTACT: Low hazard for normal industrial use.

INGESTION: Not a likely route of exposure. Low toxicity.

INHALATION: Not a problem at room temperature, but fumes formed at elevated temperatures can be irritating.

3. INGREDIENTS AND HAZARDS

| INGREDIENTS | CAS # | % BY WEIGHT | TLV | PEL |
|-------------|-------|-------------|-----|-----|
|-------------|-------|-------------|-----|-----|

No hazardous ingredients as defined by OSHA 29 CFR 1910.1200
While these products are not classified as hazardous under OSHA regulations, this MSDS contains valuable information important to the safe handling and proper use of these products. This MSDS should be available for employees and other users or handlers of these products

4. FIRST AID MEASURES

EYES: Flush with water for 15 minutes. If irritation develops, get medical attention.

SKIN: Wash with soap and water.

INHALATION: Remove to fresh air for relief.

INGESTION: None necessary for small quantities.

5. FIRE FIGHTING MEASURES

FLASH POINT (° F): >400 (COC)

OSHA FLAMMABILITY CLASSIFICATION: None

EXTINGUISHING MEDIA: Foam, CO₂, Dry Chemical, or water mist.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus.

EXPLOSION LIMITS IN AIR - LOWER (%): Unknown **UPPER (%):** Unknown

AUTO IGNITION TEMP (° F): Unknown

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

6. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Dike to contain spill. Recover free product. Collect remaining product with absorbent materials.

7. HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling.

STORAGE: Do not store near heat or flame. Material can gel with long exposure to elevated temperatures (Above 95° F.).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use with adequate ventilation.

RESPIRATORY PROTECTION EQUIPMENT: Not necessary at room temperature.

PROTECTIVE GLOVES: Recommended

EYE AND FACE PROTECTION: Safety glasses recommended.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

OTHER PROTECTIVE EQUIPMENT: Usually not required.

VENTILATION: Local exhaust as needed near processing equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|----------------------------|
| Boiling Range/Point: | Solidifies before boiling. |
| Vapor Pressure: | Unknown |
| Vapor Density (AIR=1): | >1 |
| Freezing Point: | Not applicable |
| Melting Point: | Not applicable |
| Physical State: | Thick Liquid |
| Color: | Cream |
| % Volatile by Weight: | Not available |
| VOC (g/l): | Not available |
| Evaporation Rate (Butyl Acetate=1): | Unknown |
| Specific Gravity @ 25° C: | 1.05-1.17 |
| Weight per gallon: | 8.75-9.75 |

10. STABILITY AND REACTIVITY

STABILITY: Material is stable

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS: CO, CO₂, HCl

INCOMPATIBILITY (MATERIALS TO AVOID): None

CONDITIONS TO AVOID: Storage temperatures above 95° F.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY: These products are not listed as carcinogens by NTP, IARC, EPA, or OSHA.
These products are not listed as reproductive or developmental toxins by EPA.

ACUTE ORAL LD50: Not available **ACUTE DERMAL LD50:** Not available

ACUTE INHALATION LC50: Not available

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Unknown

CHEMICAL FATE INFORMATION: Unknown

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Small amounts may be fused in a vented oven and disposed of as a solid. Disposed material is not a listed RCRA Hazardous waste. Dispose of materials in accordance with the applicable Local, State, and Federal regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING NAME: Not regulated
DOT HAZARD CLASS: None
UN/NA NUMBER: None
DOT PACKING GROUP: None
AIR FREIGHT TRANSPORTATION: Not regulated
OCEAN TRANSPORTATION: Not regulated

15. REGULATORY INFORMATION

TSCA STATUS: All components of these products are on the US TSCA Inventory.

CALIFORNIA PROPOSITION 65: These products do not contain chemicals known to the state of California to cause cancer or birth defects; however, routine analysis for all listed materials is not conducted.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST: None

SARA (311,312) HAZARD CLASS: None

SARA SECTION 313 TOXIC CHEMICALS: None

AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES: Unknown at this time.

CANADIAN INVENTORY: None

EINECS REGULATIONS: Unknown at this time

JAPAN: Unknown at this time

KOREAN CHEMICAL INVENTORY: Unknown at this time

16. OTHER INFORMATION

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:
 While Union Ink believes that the data contained herein are factual, and the opinions expressed are those of qualified experts regarding the results of the tests conducted, the data are not to be taken as a warranty or representation for which Union Ink assumes legal responsibility. Since the use of this information and these opinions and the use of the product are not within the control of Union Ink, it is the user's obligation to determine the conditions of safe use of the product.