

Identity Group, LLC

MATERIAL SAFETY DATA SHEET

| | | | |
|-----------------------|--|---------------------|----------------|
| REVISION DATE: | 11/15/2006 | PREPARED BY: | S. Hinton |
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| | 24 Hour Emergency Contact: CHEMTREC 1-800-424-9300 | | |

PRODUCT IDENTIFICATION

| | | | |
|-------------------------|--|-----------------|-------------|
| PRODUCT NAME: | Reinking Ink | COLOR: | Red |
| PRODUCT CODE(S): | 13845, 3845, 4830, RFR01, RFR25, RFR25-L, IR63 | | |
| GSA CODE: | | | |
| MANUFACTURER: | Porelon | FORMULA: | Proprietary |
| CHEMICAL TYPE: | Glycol-based ink | | |

HAZARDOUS INGREDIENTS

Per OSHA 29 CFR1910.1200

| <u>CHEMICAL NAME</u> | <u>CAS #</u> | <u>%</u> | EXPOSURE LIMITS | |
|----------------------|--------------|----------|------------------------|---------------|
| | | | ACGIH (TLV) | OSHA (PEL) |
| Diethanolamine | 111-42-2 | 2.4% | 3 ppm TWA | 3 ppm TWA |
| Diethylene Glycol | 111-46-6 | 67% | | |
| Chromium (III) | 7440-47-3 | 0.2% | 0.5 mg/m3 | 0.5 mg/m3 |

Manufacturer states all other ingredient information is proprietary or non-hazardous as defined by the Hazard Communication Standard (29 CFR 1910.1200)

PHYSICAL PROPERTIES

| | | | |
|------------------------------|---------------------------|--------------------------|------------|
| BOILING POINT, Deg F: | > 300 | SPECIFIC GRAVITY: | 0.9 - 1.0 |
| MELTING POINT, Deg F: | NA | WATER SOLUBILITY: | Negligible |
| VAPOR DENSITY: | Heavier | VAPOR PRESSURE: | Negligible |
| APPEARANCE / ODOR: | Colored liquid, mild odor | EVAPORATION RATE | Slower |

FIRE AND EXPLOSION

| | | |
|--|---|-----------------------------------|
| FLASH POINT, Deg. F: | > 200, TCC | FLAMMABLE LIMITS IN AIR: |
| | | UPPER: N/A LOWER: N/A |
| AUTOIGNITION TEMP: | N/A | |
| FIRE EXTINGUISHING MATERIALS: | Water spray, carbon dioxide, dry chemical | |
| SPECIAL FIREFIGHTING PROCEDURES: | Wear self-contained breathing apparatus and protective clothing | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: | None | |

HEALTH HAZARD IDENTIFICATION

HMIS Rating: Health: 3 Flammability: 1 Reactivity: 0

NOTE: HMIS and NFPA ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information in the MSDS must be considered.

FIRST AID / EMERGENCY PROCEDURES

| | |
|--|---|
| EYE CONTACT: | Any material that contacts the eye should be immediately flushed with water, lifting the upper and lower lids. Get immediate medical attention if any symptoms occur. |
| SKIN CONTACT: | Wash immediately with soap and water. Apply skin cream if irritated. Seek medical attention if symptoms occur. |
| INHALATION: | If symptomatic, move to fresh air. Get medical attention if symptoms persist. |
| INGESTION: | Unknown - None expected. Seek medical attention |
| SUSPECT OR KNOWN CARCINOGEN: | No |
| CONTAINS PROPOSITION 65 LISTED CHEMICALS: | No |

TRANSPORTATION INFORMATION

| | |
|--|---------------|
| D.O.T. Shipping Name: | Non-regulated |
| DOT Hazard Class: | NA |
| UN Number: | NA |
| Exemptions and other requirements may apply, consult 49 CFR - Transportation | |

REACTIVITY DATA**STABILITY:****STABLE:** xxx**UNSTABLE:****CONDITIONS TO AVOID:**

Temperature Extremes

MATERIALS TO AVOID:

Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS:

Combustions will produce oxides of carbon and nitrogen

HAZARDOUS POLYMERIZATION:

Will not occur

SPILL, LEAK AND DISPOSAL PROCEDURES**SPILL RESPONSE PROCEDURES AND EMPLOYEE PROTECTION MEASURES:**

Contain spills with rags of dry absorbant. Use a suitable ink cleaner to remove any residue. Wear protective gloves to minimize skin contact.

DISPOSAL METHODS: Discard waste while observing all local, state and federal regulations.

HANDLING AND STORAGE**PERSONAL PRECAUTIONARY MEASURES:**

No additional precautions necessary

PREVENTION OF FIRE AND EXPLOSION:

No unusual hazards

Keep containers closed when not in use. Use with adequate ventilation.

ACCIDENTAL RELEASE MEASURES

IN CASE OF A SPILL: Use absorbent material such as rags to contain the spill when necessary
Place in proper container for disposal.

ECOLOGICAL INFORMATION

This material as not been tested overall for environmental effects.

The following ingredients are noted as DOT marine pollutants in Appendix B to 49 CFR 172.101: NONE

TOXICOLOGICAL INFORMATION**EFFECTS OF ACUTE OVEREXPOSURE:**

Inhalation: None expected

Eye: May be irritating

Skin: May be irritating

Ingestion" Not expected to be a route of entry

Mutagenicity:

NE. None of the ingredients used have tested positive in the Ames Test

Chronic Effects:

Diethylene Glycol is a nephrotoxin

EXPOSURE CONTROLS / PERSONAL PROTECTION

| <u>Component</u> | <u>CAS Reg. No.</u> | <u>OSHA</u> | <u>ACGIH</u> |
|-------------------------|----------------------------|-----------------------|-----------------------|
| Diethanolamine | 111-42-2 | 3 ppm TWA | 3 ppm TWA |
| Chromium | 7440-47-3 | 0.5 mg/m ³ | 0.5 mg/m ³ |

Ventilation: General ventilation sufficient

Personal Protection: Good industrial hygiene practices should be followed which include preventing eye contact, minimizing skin contact and inhalation

Respiratory Protection: None should be needed under normal use and conditions with stated ventilation.

Eye Protection: Safety Glasses

Skin Protection: Protective gloves to minimize contact to all chemicals

REGULATORY INFORMATION

Material(s) known to the State of California to cause cancer: NONE

Material(s) known to the State of California to cause adverse reproductive effects: NONE

International Agency for Research on Cancer (IARC) components present at 0.1 % or greater: NONE

National Toxicology Program (NTP) components present at 0.1% or greater: NONE

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Ammendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372: Diethanolamine 5.9 %, Chromium (III) 0.2 %

Chemical(s) subject to the reporting requirements of SARA Title III Section 304 and 40 CFR Part 302.4 (CERCLA Hazardous Substances): Diethanolamine 5.9 %, Chromium (III) 0.2 %

Chemical(s) subject to SARA Title III Section 302 and 40 CFR Part 355 (Extremely Hazardous Substances)
NONE

Safety Considerations: NO SPECIAL

TSCA Status: All chemical ingredients found on TSCA Inventory

RCRA Status: If discarded in its purchased form, this product would carry the following status and classifications by listing or characteristic codes:
Status: Non-regulated RCRA Hazardous Waste Codes: NA

However, it is the responsibility of the end-user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste.

40 CFR 261.20-24

NOTICE

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.

Prepared by: Stephanie Hinton

Title: Porelon Production Manager

NA = Not Applicable

NE = Not Established