

Re-Inking Ink (Black)**SECTION 1: IDENTIFICATION**

Product Identifier:	Re-Inking Ink (Black)
Other Means of Identification:	Part Number 4280
Recommended Use:	This product is intended for use in the reinking of pre-inked handstamps.
Restrictions on Use:	None known
Supplier Identifier:	Sterling Marking Products Inc., 1147 Gainsborough Road, London, ON Canada N6H 5L5 1-800-265-5957, 519-434-5785
Emergency Phone Number:	CANUTEC (613) 966-6666, Cellular *666

SECTION 2: HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the U.S. Hazardous Communication Standard (HCS 2012)

Classification

Acute toxicity, Oral Category 4
Serious eye damage Category 1
Skin irritation Category 2
Acute aquatic toxicity Category 1
Chronic aquatic toxicity Category 1
Specific target organ toxicity – Repeated exposure – Oral - Kidney Category 2
Germ cell mutagenicity Category 2

Label Elements:

Signal Word: Danger

Hazard Statements:

H302 Harmful if swallowed
H315 Causes skin irritation
H318 Causes serious eye damage
H341 Suspected of causing genetic defects
H373 May cause damage to organs through prolonged or repeated exposure
H410 Very toxic to aquatic life with long lasting effects

Prevention:

P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P281 Wear personal protective equipment as required.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P314 Get medical advice/attention if you feel unwell.

P330 Rinse mouth

Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use appropriate media to extinguish.

Storage: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified (HNOC): None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percentage (%)	Other Identifiers
Diethanolamine	111-42-2	1% - 10%	None known
Cocoamide DEA	68603-42-9	15% - 25%	None known
Tricresyl Phosphate	1330-78-5	1% - 5%	None known
C.I. Basic Orange 2	532-82-1	0.5% - 1%	None known

Remaining components are proprietary, non-hazardous and/or present at amounts below reportable limits.

Note: All ingredients are listed on the Domestic Substances List (DSL) and the Toxic Substances Control Act (TSCA) list.

SECTION 4: FIRST AID MEASURES

Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact:

Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye contact:

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion:

Rinse mouth thoroughly. If ingestion of a large amount does occur, call a poison control center immediately.

Most important symptoms/effects, acute and delayed:

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation.

Indication of immediate medical attention and special treatment needed:

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information:

Take off all contaminated clothing immediately. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media:

Specific hazards arising from the chemical:

Oxides of carbon and nitrogen, irritating fumes and smoke

Special protective equipment and precautions for firefighters:

Fire-fighting equipment/instructions:

Specific methods:

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards:

This material is not flammable.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up:

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean up in accordance with all applicable regulations. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with eyes. Avoid breathing mist or vapor. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage.

Conditions for safe storage, including any incompatibilities:

Store away from incompatible materials (see Section 10 of the SDS). Store between 35°F (2°C) and 120°F (49°C).

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

SECTION II - HAZARDOUS INGREDIENTS

Component	CAS Registry	Toxicology	Concentration % (w/w)
Diethanolamine	111-42-2	ACGIH TLV-TWA: 3ppm LD50: 710mg/kg (oral,rat)	1-10
Cocoamide DEA	68603-42-9	ACGIH TLV-TWA: Not available LD50: Not available	15-25
Tricresyl Phosphate	1330-78-5	ACGIH TLV-TWA: Not available LD50: 3,000 mg/kg (oral,rat)	1-5
C.I. Basic Orange 2	532-82-1	ACGIH TLV-TWA: Not available LD50: Not Known	0.5 - 1

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Exposure guidelines:

Diethylene Glycol – the odor is objectionable at 100 ppm; higher levels produce eye, nose and throat irritation.

Dermal absorption may contribute substantially to the total uptake following skin contact with liquids or vapours containing EGME.

Appropriate engineering controls:

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment:

Eye/face protection:

Wear approved safety goggles.

Skin protection:

Hand protection:

Wear appropriate chemical resistant gloves.

Other:

Wear suitable protective clothing

Respiratory protection:

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Thermal hazards:

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations:

When using, do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Opaque Coloured Liquid.

Physical state:

Liquid.

Form:	Liquid.
Color:	Various, black, red, blue, green, violet
Odor:	Characteristic, Glycol Ether
Odor threshold:	Not available.
pH:	Not available.
Melting point/freezing point:	Not available.
Initial boiling point and boiling range:	N
Flash point:	54°F (12°C) Tag Closed Cup.
Evaporation rate:	<1
Flammability (solid, gas):	Flammable
Vapor pressure:	Not Established
Vapor density:	Not available.
Relative density:	Not available.
Solubility(ies):	
Solubility (water):	Insoluble

SECTION 10: STABILITY AND REACTIVITY

Reactivity:

The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability:

Material is stable under normal conditions.

Possibility of hazardous reactions:

No dangerous reaction known under conditions of normal use.

Conditions to avoid:

Keep away from heat, sparks and open flame. Avoid temperatures exceeding the flash point.

Contact with incompatible materials:

Incompatible materials:

Strong oxidizing agents. Strong acids. Strong bases. Alkali metals. Amines

Hazardous decomposition products:

In case of fire: Carbon oxides, H₂O, Nitrogen Oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation:

May cause irritation to the respiratory system.

Skin contact:

May cause skin irritation. Dermal absorption may contribute substantially to the total uptake following skin contact with liquids or vapours containing Diethylene Glycol.

Eye contact:

Causes serious eye irritation.

Ingestion:

Toxic if swallowed. Even small amounts may cause blindness or death.

Symptoms related to the physical, chemical and toxicological characteristics:

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Information on toxicological effects:**Acute toxicity:**

May cause respiratory irritation. May cause discomfort if swallowed.

Skin corrosion/irritation:

Prolonged or repeated contact may dry skin and cause dermatitis.

Serious eye damage/eye irritation:

Causes serious eye irritation.

Respiratory or skin sensitization:**Respiratory sensitization:**

Not a respiratory sensitizer.

Skin sensitization:

This product is not expected to cause skin sensitization.

Germ cell mutagenicity:

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity:

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Titanium dioxide is considered carcinogenic only when in an inhalable powdered form.

IARC Monographs. Overall Evaluation of Carcinogenicity:

Titanium dioxide (CAS 13463-67-7)

2B Possibly carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

Not listed.

Reproductive toxicity:

This product is expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure:

May cause respiratory irritation.

Specific target organ toxicity - repeated exposure:

Not classified.

Aspiration hazard:

No data available.

Chronic effects:

Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. The product contains organic solvents which may be absorbed into the body by skin contact and cause permanent damage to the nervous system, including the brain.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity:**

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability:

No data available.

Bioaccumulative potential:

The product does not contain any substances expected to be bioaccumulating.

Mobility in soil:

This product is moderately water soluble and may disperse in soil.

Other adverse effects:

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal instructions:

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations:

Dispose in accordance with all applicable regulations.

Hazardous waste code:

D001: Waste Flammable material with a flash point <140 °F

Waste from residues / unused products:

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose of waste and residues in accordance with local authority requirements.

Contaminated packaging:

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

DOT

UN number:	UN1210
UN proper shipping name:	Printing ink, flammable
Transport hazard class(es):	
Class:	3
Subsidiary risk:	-
Label(s):	3
Packing group:	III
Special precautions for user:	Read safety instructions, SDS and emergency procedures before handling.
Special provisions:	B1, IB3, T2, TP1
Packaging exceptions:	150
Packaging non bulk:	173
Packaging bulk:	242

IATA

UN number:	UN1210
UN proper shipping name:	Printing ink, flammable
Transport hazard class(es):	
Class:	3
Subsidiary risk:	-
Label(s):	3
Packing group:	III
Environmental Hazards	No.
ERG Code:	3L
Special precautions for user:	Read safety instructions, SDS and emergency procedures before handling.

SECTION 15: REGULATORY INFORMATION

US federal regulations:

This product is hazardous according to OSHA 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

International Inventories

Country(s) or region name	Inventory	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

WHMIS Hazardous Class:

FLAMMABLE LIQUIDS
ACUTE TOXICITY
RESPIRATORY OR SKIN SENSITIZATION
REPRODUCTIVE



SECTION 16: OTHER INFORMATION

Additional Information: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

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End of SDS.