



Material Safety Data Sheet

1. Product and Company Information

Company: Ranger Industries, Inc.
15 Park Road
Tinton Falls, N.J. 07724

Telephone: (732) 389-3535

Product Name: **Archival Ink Pads & Ink (All Colors)**

Effective Date: **March 13, 2008**

Chemtrec (24 Hours) (800) 424-9300

Preparer: Health, Safety and Environmental Department

2. Hazards Identification

Acute Health Effects: Vapors or direct eye contact may cause irritation. Repeated or prolonged skin contact may cause irritation. Ingestion may cause irritation. Over exposure to aerosol, vapor or mist may cause eye and respiratory tract irritation, dizziness, headache, nausea and flu-like systems.

Chronic Health Effects: None known.

Sign/Symptoms of Exposure: Irritation.

3. Composition / Information on Ingredients

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>Symbols</u>	<u>R-Phrases</u>
25265-71-8	Dipropylene Glycol		
9003-11-6	Polyonypropylene – polyoxyethylene Copolymer		

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non hazardous, and/or present at amount below reportable limits.

Notes: No additional information

4. First Aid Measures

If irritation or other symptoms (as noted above) occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

Eye Contact: Immediately flush eyes with plenty of clean water for an extended time, not less than five (5) minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion.

Skin Contact: Wash the affected area thoroughly with plenty of water and soap.

Inhalation: If affected, remove to fresh air. If not breathing, give artificial respiration.

Ingestion: Get medical attention immediately.

5. Fire Fighting Measures

Fire and Explosive Properties: This product is not known to present any fire hazard.

Extinguishing Media: Water for dried polymer.

Fire Fighting Instructions: Wear self-contained breathing apparatus (SCBA) equipped with a full face piece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attach phase of firefighting operations.

Unusual Fire and Explosion Hazards: None known for the product as delivered (water solution). Irritating and toxic substances will be emitted upon combustion, burning or decomposition of the dry solids.

6. Accidental Release Measures

Containment Techniques: Contain spill. If spilled in an enclosed area, ventilate.

Clean-up Techniques: Wear proper personal protective clothing and equipment. Do not flush liquid into public sewer, water systems or surface waters. Soak up large spill residue and small spills with an inert absorbent. Recover as much as possible for reuse. Place into labeled, closed

container; store in safe location to await disposal. Wash the spill area with soap and water. Change contaminated clothing and launder before reuse. CAUTION: Spilled liquid and dried film are slippery. Use care to avoid falls.

Evacuation Instructions: Not applicable.

7. Handling and Storage

Handling: Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Provide eyewash fountains and safety showers in the work area.

Storage: Do not reuse empty container without commercial cleaning or reconditioning. Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use.

8. Exposure Controls / Personal Protection

<u>Chemical Name</u>	<u>MAK Value</u>	<u>MEL/OES</u>
Dipropylene Glycol	N/E	N/E
Polyoxypropylene-polyoxyethylene Copolymer	N/E	N/E

Notes: No additional information.

Engineering Controls: Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist and vapor away from workers to prevent routing inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS.

Eye/Face Protection: Wear eye protection.

Skin Protection: Wear protective gloves.

Respiratory Protection: Wear an approved respirator (e.g., an organic vapor respirator, a full face air purifying respirator for organic vapors, or a self-contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume or vapor exceed the exposure limit(s) of any chemical substance listed in this MSDS.

General Protection: No additional information.

9. Physical and Chemical Properties

Form	Liquid	pH	N/A
Appearance	White to Cream	Specific Gravity	1.0 - 1.1
Odor	Slight	VOC	0%
Solubility in Water	Insoluble	Flash Point	Not Applicable
Evaporation Rate	Slower than n-butyl acetate	Boiling Point °C	100°
Vapor Pressure	~ 18 mmHg@ 68.F (20.C)		

Notes: Amounts specified are typical and do not represent a specification.

10. Stability and Reactivity

Conditions to Avoid: Do not freeze

Incompatibility with Other Materials: No specific incompatibilities. Materials which are not compatible with water will not be compatible with this product. Substances that are not compatible with ordinary organic compounds (such as strong oxidizers) will not be compatible with this product.

Hazardous Decomposition Products: After water is evaporated, decomposition or combustion of the dry solids may generate irritating vapors, CO, CO₂, ammonia and hydrocarbons.

Additional Reactivity/Stability Information: None.

Thermal Processing Emissions: Not applicable.

11. Toxicological Information

Caution may be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

No toxicity studies have been conducted on this product. As with all chemicals for which test data are limited or do not exist, caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

12. Ecological Information

No ecological testing has been conducted on this product.

Notes: No additional information.

13. Disposal Information

Incinerate or landfill waste in a properly permitted facility in accordance with local regulations.

14. Transportation Information

UN/NA Number: N/A Hazard Class: N/A MDG Class: N/A

Packing Group: N/A ICAO/IATA Class: N/A TDG Class: N/A

ADR/RID Class: N/A

Notes: No additional information.

15. Regulatory Information

EU Classification: Categories of Danger: This material is not subject to classification according to European Union Directives 67/548 and its amendments including 92/32/EEC, 1999/45/EC, and 2001/58/EC.

Indication(s) of Danger:

EU R Phrases: Not applicable.

EU S Phrases: Not Applicable

(EINECS/ELINCS): Not assessed.

Water Hazard Classification (Germany): Not assessed.

U.S. Toxic Substances Control Act (TSCA): All components of this product are either listed on the U.S. Toxic Substances Control Act (TSCA) inventory of chemicals or are otherwise compliant with TSCA regulations.

Canadian Domestic Substance List (DSL): All components in this product are on the Canadian Domestic Substances List (DSL) or are exempt from listing.

Notes: No additional information.

16. Other Information

Risk Phrases:

Reason for Revision

Changes in Section(s): Not applicable.

Notes: No additional information.

Legend:

CAS No: Chemical Abstract Service Registry Number
COSHH: Control of Substances Hazardous to Health (United Kingdom)
IARC: International Agency for Research on Cancer
MAK: Maximale Arbeitsplatz-Konzentration (Maximum Workplace Concentration (Germany))
MEL: Maximum Exposure Limit (COSHH)
N/A: Not Applicable
N/E: None Established
OES: Occupational Exposure Standard (COSHH)
S: Can be absorbed through the skin
STEL: Short Term Exposure Limit (COSHH)
TWA: Time Weighted Average (exposure for 8-hour workday)
IIIA1: Substances shown to induce malignant tumors in humans
IIIA2: Substances shown to be clearly carcinogenic only in animal studies but under conditions indicative of carcinogenic potential at the workplace.
IIIB: Substances which are suspected of possessing significant carcinogenic potential which urgently needs further clarification.

Users Responsibility/Disclaimer of Liability: The information set forth herein is based on our current knowledge, and is intended to describe the product solely with respect to health, safety and the environment. As such, it must not be interpreted as a guarantee of any specific property of the product. As a result, the customer shall be solely responsible for deciding whether said information is suitable and beneficial.

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