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MATERIAL SAFETY DATA SHEET

SECTION I – Identity

Product name: Silver Saver[®] SS , SS60 papers
Generic name: Bleached Kraft paper impregnated with a special formulation to prevent silver from tarnishing.

SECTION II – Hazardous Ingredients

Daubert Cromwell Mixture: 3-20%. Exposure limits not established.

Kraft paper: 80-97% .

SECTION III - Hazards Identification

HMIS RATINGS: Health – 0
Flammability – 1
Physical Hazard – 0

NFPA RATINGS: Health – 0
Flammability – 1
Reactivity – 0

Required Personal Protective Equipment:
None

As with all paper products, Silver Saver products may combust when exposed to open flame. Product poses little health risk, although ingesting large quantities of product may result in gastro-intestinal symptoms such as nausea, vomiting, and diarrhea. Exposure to vapors generated at elevated temperatures may result in eye and respiratory irritation, nausea and/or headaches.

SECTION IV - First Aid Measures

Swallowing: Do not induce vomiting. Give water if patient is conscious and alert; never give fluids to an unconscious person. Consult a physician immediately if swallowed in quantity.

Skin contact: Wash with soap and water.

Inhalation: No emergency care is anticipated. If irritation or discomfort occurs; remove individual to fresh air. Seek medical assistance if needed. (See section VIII.)

Eyes: Flush with water for 15 minutes, removing contact lenses if present. Seek medical assistance if irritation is persistent.

SECTION V - Fire and Explosion Hazard Data

Flash point: >232°C (450°F)

Unusual fire & explosion hazards: None

Special fire fighting procedures: Use self-contained breathing apparatus and protective clothing for fighting large paper fires.

Extinguishing media: Use CO₂, foam, or dry chemical.

Hazardous decomposition products: Carbon monoxide, carbon dioxide, and small amount of nitrogen oxides. Small quantities of metal oxide fumes may be generated.

SECTION VI - Accidental Release Measures

This product is not expected to cause a hazardous situation. As a solid, spill containment is not an issue. See section XIII for disposal information.

SECTION VII – Storage and Handling Precautions

Precautions to be taken in handling and storage:

Normal precautions common to good manufacturing practice should be followed in handling and storage. This product is for industrial use only. Do not store product with flammable or combustible substances. Do not store product with strong acids, strong bases, or oxidizers.

Other precautions: Avoid temperatures above 120°C (250°F). Any proposed use of the product in elevated temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.

SECTION VIII - Special Protection Information

Respiratory protection: Under normal handling conditions, respirator protection is unnecessary. If personnel should experience respiratory discomfort or irritation and ventilation is not possible, a NIOSH or European Union approved respirator is recommended.

Ventilation: Normal (mechanical) ventilation is expected to be satisfactory.

Protective gloves: All types are adequate.

Eye protection: Safety glasses should be worn as a matter of good practice.

Other protective equipment: Safety shoes and appropriate lifting equipment are recommended when handling large rolls (>34 kg or 75 lb.).

SECTION IX - Physical/Chemical Characteristics

Boiling point: N/A
Physical state: Solid
Color & appearance: White kraft paper

Odor: None

SECTION X - Reactivity Data

Stability: Stable

Incompatibility (materials to avoid): Normally not reactive; however, avoid bases, strong acids, strong oxidizing agents and materials reactive with hydroxyl compounds.

Hazardous polymerization: Will not occur.

SECTION XI - Health Hazard Data

Effects of single overexposure: From the available information there is no evidence of adverse effects from overexposure by swallowing, skin absorption, inhalation, skin contact or eye contact.

TLV & source: None established by ACGIH OSHA, or DFG

Effects of overexposure under specialized condition:

Overexposure to vapors generated at high temperature may result in eye and respiratory tract irritation.

Prolonged exposure to vapors may result in nausea and headaches.

SECTION XII - Ecological Information

This product has been screened and is compatible with repulping operations. Paper mills have approved it for general recycling. As a result, we recommend recycling.

SECTION XIII - Disposal Considerations

Disposal recommendations: Recycling is strongly recommended as an option. Consult your local waste recycling facility for information. Landfill or incinerate in a furnace, where permitted under appropriate Federal, State, and Local regulations.

SECTION XIV - Transportation Information

This product is non-hazardous under the regulations of the US DOT, Transport Canada, IATA, IMO, and other transport organizations. No shipping restrictions apply for shipments by ground, ocean or air.

SECTION XV - Regulatory Information

Superfund Amendments and the Reauthorization Act of 1986 (SARA) title III require emergency planning based on threshold planning quantities (TPQs) and release reporting based on reportable quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311, and 312).

Components present in this product at level, which could require reporting under the statute, are:

Zinc compounds < 10-15 wt %

Superfund amendments and the Reauthorization Act of 1986 (SARA) title III require the submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDS' that are copied and distributed for this material. Components present in this product at a level, which could require reporting under the statute, are:

Zinc compounds < 10-15 wt %

State Right-to Know Laws: Zinc Carbonate is listed in the following states: New Jersey. Zinc oxide is listed in the following states: New Jersey, Pennsylvania.

Canadian WHMIS Regulations: This product poses no hazards as defined by the Canadian Workplace Hazardous Materials Information System (WHMIS).

Hazardous substance Directive / Guideline

1999/45/EC

Hazard Symbol and labeling	None
Risk Phrases	None
Safety Phrase	None

Specific Regulations -This product is found to be compliant with the following US, EU, and PRC requirements:

California Proposition 65 - California Safe Drinking Water and Toxic Enforcement Act of 1986

European Union REACH Regulation EC 1907/2006 – Registration, Evaluation, Authorization and Restriction of Chemicals

European Union Directive 2002/95/EC – Restriction of Certain Hazardous Substances Directive

European Union Directive 2002/96/EC – Waste Electrical Electronic Equipment Directive

European Union Directive 2003/11/EC – Brominated Fire Retardants, PentaBDE/OctaBDE Directive

European Union Directive 2006/122/EC – PFOS/PFOA Perfluorooctane sulfonates/Perfluorooctanic acid

China RoHS Directive – Restriction of Hazardous Substances Directive

European Union RoHS – Restriction of Hazardous Substances Directive

TRGS 615 - Restrictions on the use of anticorrosion agents whose use can lead to the formation of N-nitrosamines

Note: This product does not contain any Substances of Very High Concern (SVHC) under European Union REACH legislation.

SECTION XVI – Other Information

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 1907/2006/EEC (REACH). Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European (GHS) directive 1907/2006/EEC and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directive 67/548/EEC.

The opinions expressed herein are those of qualified experts within Daubert Cromwell. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of Daubert Cromwell, it is the user's obligation to determine the conditions of safe use of the product.

By: Sunil Dhoot
Approved By: Roy Galman
Effective Date: 19 May 2009