----- 000052.MSD 96.35.052 MULTIGRAPHICS

MATERIAL SAFETY DATA SHEET

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TRADE NAME: Offset Gum Solution

DATE: April 1998 (REVISED)

I. PRODUCT IDENTIFICATION

Name/Synonym: Aluminum Plate Preservative Part Number: 200-972-4A

Manufactured/Distributed by: MULTIGRAPHICS

431 Lakeview Ct.

Mt. Prospect, Illinois 60056

Emergency Phone - Day - (847) 375-5956

Night - Chemtrec (800) 424-9300

II. INGREDIENTS - Confidential Information for Safety/Health Use Only (ALL EXPOSURE LIMITS ARE PPM UNLESS OTHERWISE NOTED)

Chemical Name CAS# OSHA ACGIH, NIOSH NTP, IARC WT % TLV, EXPOSURE OSHA PEL LIMITS TWA STEL CARCINOGEN *Gum Arabic 9000-01-5 N/E N/E N/E No 10-15 *Potassium Sorbate 24634-61-5 N/E N/E N/E No 1-2 7732-18-5 N/E N/E *water N/E No 82-89 * non-hazardous as defined by 29CFR 1910.1200.

III. PHYSICAL PROPERTIES

Boiling Point (oF): 212°F Specific Gravity (H2O=1): 1.05
Vapor Pressure (mmHg): N/E Melting Point: N/E
Vapor Density (Air=1): N/E Evaporation Rate Slower than
Solubility in Water: 100% (butyl acetate=1): Water

Appearance/Odor: Light Amber Liquid pH: 3.7

No Odor

IV. FIRE AND EXPLOSION HAZARD

Flash Point: None Flammable Limits: LEL: N/A UEL: N/A

Extinguishing Media: Non-flammable, water solution.

Special Fire Fighting Procedure: None Unusual Fire/Explosion Hazards: None

N/A = Not Applicable N/E = Not Established

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V. REACTIVITY DATA

Stability: Stable Conditions to Avoid: None

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Incompatibility, Materials to Avoid: None Hazardous Decomposition Products: None Hazardous Polymerization: Will not occur.

VI. SPILL OR LEAK PROCEDURE/WASTE DISPOSAL

Wipe up with absorbent material. Refer to local regulation for permissible pH level for disposal.

VII. HEALTH HAZARD DATA

A) Routes of entry, signs and symptoms of overexposure, acute and chronic effects.

Eye: Slight eye irritant.

Skin: Slight irritation in some people.

Inhalation: Not a normal route of entry.

Ingestion: Stomach discomfort.

Target Organs: None

- B) Carcinogenicity: Ingredients not found in NTP, OSHA or IARC.
- Medical conditions generally aggravated by normal exposure:
- Emergency and First Aid

Eye: Flush with water.

Skin: Wash with soap and water.

Inhalation: N/A

Ingestion: Induce vomiting. Consult physician.

VIII. SPECIAL PROTECTION INFORMATION

Respiration Protection: Not required.

Ventilation - Local Exhaust: N/A Other: N/A Protective Gloves: Not required Eye Protection: Safety Glasses

Other Protection: None

IX. SPECIAL PRECAUTIONS

Handling and Storage: Avoid freezing.

Other: Read and follow label directions. Do not reuse container.

For Commercial use only. Keep from reach of children.

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X. ENVIRONMENTAL DATA

Hazardous Substance (40 CFR 372: SARA Sec. 313)

None

Reportable Quantity (40 CFR 355: SARA Sec. 302)

None

Hazardous Substance (40 CFR 302: CERCLA Table 302.4)

None

RCRA Waste Number

None

Volatile Organic Compounds

None

SARA Hazard Class

Acute: no Chronic: no Fire: no Pressure: no Reactivity: no

NFPA Hazard Rating

Health: 1 Flammability: 0 Reactivity: 0 Specific Hazard: N/A

XI. DOT SHIPPING INFORMATION

Surface: Not Regulated Air: Not Regulated

Proper Shipping Name: N/E

UN N/E Class: N/E Labels: None Required

NOTE:

The chemicals in this product are listed on the TSCA inventory.

XII. DISCLAIMER

The information contained in this Material Safety Data Sheet is furnished without warranty of any kind. Multigraphics believes that the information contained herein is current as of the revision date of this MSDS. Since the conditions of use of this product are beyond the control of Multigraphics, it is the obligation of the user to determine the conditions for safe use.