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Material Safety Data Sheet

For Medical Emergencies call: 1-800-328-5274 (For Customers, ext. 287 for Employees ext. 288)
For Transport/Spill Emergencies call: Chemtrec 1-800-424-9300 (USA) or 1-202-483-7616 (Outside USA)

Effective Date: 05-10-1998
Supercedes: 05-09-1998

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I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS ID 05-3931-2
ITEM NUMBER 77980379901, 77980390148
PRODUCT NAME VIKING(TM) PLATE CLEANER AND FINISHER - MODIFIED FORMULA

BUSINESS UNIT: PRINTING AND PROOFING PRODUCTS - 1-800-328-1303

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS Number	% Range
WATER	7732-18-5	50 - 60
HEAVY STRAIGHT-RUN NAPHTHA	64741-41-9	20 - 30
GUM ARABIC	9000-01-5	10 - 15
CITRIC ACID	77-92-9	1 - 5
MAGNESIUM NITRATE	10377-60-3	1 - 5
SODIUM DIHYDROGEN PHOSPHATE (NaH ₂ PO ₄)	7558-80-7	1 - 5
PHOSPHORIC ACID	7664-38-2	1 - 3

III. HAZARDS IDENTIFICATION

Potential Health Effects

Eyes

Chemical Related Eye Burns (chemical corrosivity): signs/symptoms can include cloudy appearance of the cornea, chemical burns, pain, tearing, ulcers, impaired vision or loss of vision.

Skin Contact

Skin Burns (chemical corrosivity): signs/symptoms can include redness, swelling, itching, pain, blistering, ulceration, sloughing, and scar formation.

Ingestion

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

Nervous System Effects: signs/symptoms can include emotional changes, lack of coordination, delirium, tremors, sensory loss and coma.

Aspiration Pneumonitis: signs/symptoms can include coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.

Inhalation

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

IV. FIRST AID**Eyes**

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

Skin Contact

Flush skin with large amounts of water. If irritation persists, get medical attention.

Ingestion

If swallowed, do NOT induce vomiting. Give victim two glasses of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

Inhalation

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

V. FIRE FIGHTING MEASURES**FLAMMABLE PROPERTIES**

FLASH POINT: TCC 137 F	UPPER FLAMMABLE LIMIT: N/D	LOWER FLAMMABLE LIMIT: N/D	AUTOIGNITION TEMPERATURE: N/D
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EXTINGUISHING MEDIA:

Carbon dioxide, Dry chemical, Foam.

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not determined.

NFPA HAZARD CODES:

HEALTH: 1	FIRE: 2	REACTIVITY: 0	UNUSUAL REACTION HAZARD: none
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VI. ACCIDENTAL RELEASE MEASURES**SPILL PROCEDURES:**

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Extinguish all ignition sources. Contain spill. Cover with absorbent material. Collect spilled material. Place in a closed container.

VII. HANDLING AND STORAGE**RECOMMENDED STORAGE:**

Store in a cool place. Keep container closed when not in use.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition. Combustible liquid and vapor.

VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION:

Avoid eye contact., Wear unvented goggles during operations in which exposure is likely.

SKIN PROTECTION:

Wear appropriate gloves when handling this material.

RESPIRATORY PROTECTION:

Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations:., half-mask organic vapor respirator

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

RECOMMENDED VENTILATION:

Use with appropriate local exhaust ventilation. If exhaust ventilation is not adequate, use appropriate respiratory protection.

ACGIH Exposure Limits:

PHOSPHORIC ACID

TWA 1 MG/M3

STEL 3 MG/M3

OSHA Exposure Limits:

PHOSPHORIC ACID

TWA 1 MG/M3

STEL 3 MG/M3

IX. PHYSICAL DATA

APPEARANCE AND ODOR:

Liquid Pale brown creamy emulsion, hydrocarbon odor

pH:

1.2

VAPOR PRESSURE:

AS WATER

VAPOR DENSITY:

> 1 Air=1

BOILING POINT:

210 F

MELTING POINT:

N/A

SOLUBILITY IN WATER:

slight

SPECIFIC GRAVITY:

ca. 1.026 Water=1

EVAPORATION RATE:

< 1 BuOAc=1

VISCOSITY:

600 - 700 centipoise

PERCENT VOLATILE:

ca. 84 %

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY:

Stable

HAZARDOUS POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS:

Strong Bases, Strong Oxidizing Agents, Reducing Agents

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide

XI. TOXICOLOGICAL INFORMATION

EYE HAZARD:

Chemical Related Eye Burns (chemical corrosivity): signs/symptoms can include cloudy appearance of the cornea, chemical burns, pain, tearing, ulcers, impaired vision or loss of vision.

SKIN HAZARD: Skin Burns (chemical corrosivity): signs/symptoms can include redness, swelling, itching, pain, blistering, ulceration, sloughing, and scar formation.

INGESTION HAZARD: Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.
 Nervous System Effects: signs/symptoms can include emotional changes, lack of coordination, delirium, tremors, sensory loss and coma.
 Aspiration Pneumonitis: signs/symptoms can include coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.

INHALATION HAZARD: Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.
 Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

XII. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data available. Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = D001 (Ignitable) D002 (Corrosive)

XIII. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS: Dispose of waste product in a hazardous waste facility.

XIV. TRANSPORTATION INFORMATION

FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC AT 800-424-9300.

For transportation information call the general information number for Imation Enterprises Corp or the Business Unit number listed on page one of this MSDS document.

XV. REGULATORY INFORMATION

EPCRA HAZARD CLASS:

FIRE HAZARD	PRESSURE	REACTIVITY	ACUTE	CHRONIC
Yes:	No	No	Yes	Yes

Volatile Organic Compounds: Calculated from formulation ca. 213.5 gms/liter

VOC Less H2O & Exempt Solvents: Calculated from formulation ca. 468.0 gms/liter

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR Part 372:
 PHOSPHORIC ACID

XVI. ADDITIONAL INFORMATION

ISSUE FOR GO LIVE

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