MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard (29 CFR 1910.1200) and the American National Standards Institute Standard for MSDSs (ANSI Z400.1)

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: **Nova Pressroom Products LLC** Address: 1663 North McDuff Avenue Jacksonville, FL 32254	Identity (trade name as used on label): **SP-140F** **Metering Roller Cleaner**
Date Prepared: 6/30/09 Revision: 3	Prepared By: LMA
Information Calls: (866) 443-5811	DOT Emergency Response: (800) 424-9300

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview: Clear, colourless liquid. Irritating to eyes and skin. Harmful if swallowed or inhaled; can cause severe lung damage and may be fatal if swallowed. Extremely flammable liquid and vapouur. May cause flash fire. Vapours are heavier than air and may travel across the ground and reach remote ignition sources causing a flashback fire. During emergencies, wear equipment to protect eyes, skin and respiratory tract. Dike or absorb spills to keep material and run-off from entering sewers, drains or waterways.

Potential Health Effects:

Skin – Causes irritation; repeated exposure may cause skin dryness or cracking.

Eyes – Causes transient mild eye irritation with short-term contact with liquid sprays or mists; symptoms include stinging, watering, redness, and swelling.

Inhalation – Vapours expected to be irritating. May cause headache, dizziness, anesthetic effects (CNS depression).

Ingestion – May cause irritation of the mouth, throat and esophagus; nausea, vomiting, diarrhea; possible chemical pneumonitis if aspirated into lungs.

Conditions Aggravated by Exposure: Persons with pre-existing skin disorders or impaired pulmonary function may be more susceptible to the effects of this material.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	WT. %	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
HEPTANE	142-82-5	35-45	500	400 STEL=50	d
ACETONE	67-64-1	10-20	750 STEL=1,000	750 STEL=1,000	d
XYLENE	1330-20-7	20-30	100 STEL=150	100 STEL=150	d
ISOPROPYL ALCOHOL (Synonyms: Isopropanol, IPA)	67-63-0	15-25	400	400 STEL=500	d

*See SECTION 15 – REGULATORY INFORMATION.

**Chemical Listed as Carcinogen or Potential Carcinogen: a = NTP b = IARC Monograph c = OSHA d = Not Listed e = Animal Data Only

SECTION 4 – FIRST AID MEASURES

Eye Contact: Immediately flush with water for at least 15 minutes; seek immediate medical attention.	**Ingestion:** Do NOT induce vomiting. Do NOT drink water. Seek immediate medical attention.
Skin Contact: Remove contaminated clothing; launder before re-use. Wash skin with soap and water; if irritated, seek medical attention if irritation persists.	**Inhalation:** Immediately remove to fresh air. Seek medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point and Method Used:	**Auto Ignition Temperature:**	**Explosion Limits:**
10^{o} F (CC)	Not Established	% LEL – Not Established % UEL – Not Established

Extinguisher Media: Foam, dry chemical; use water spray to cool exposed surfaces.

OSHA Class IB Flammable Liquid. Evacuate area and fight fire from a safe distance if fire is contained in small area; otherwise, call the local fire department.

Unusual Fire & Explosion Hazards: Extremely flammable. Vapours are heavier than air and may accumulate in low or inadequately ventilated areas. Vapours may travel along the ground to be ignited at locations distant from handling site. Flashback or flame to the handling site may occur. Fire media run-off can damage the environment. Dike and collect media used to fight fire.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

For small incidental spills and leaks, wear protective gloves and eye protection. Stop source of leak or spill. Isolate area of spill by diking, and/or add dry absorbent to prevent it from entering sewers, drains or waterways. Clean up and place in an appropriate container for disposal. Wash all contaminated clothing before reuse. For larger spill requiring emergency response, follow OSHA emergency response regulations and NIOSH recommendations. If possible, stop source of spill or release. Isolate the area of spill or release by diking to prevent it from entering sewers, drains or waterways. Clean up and place in an appropriate container for disposal.

SECTION 7 – HANDLING/STORAGE

Avoid contact with eyes, skin or clothing. Avoid breathing mist or vapour. Wash thoroughly after handling. Do not eat, drink or smoke in work areas. Use only with adequate ventilation. Avoid using in areas with open flames, welding arcs, extreme heat, or sparks. Keep container closed when not in use. Transfer to bonded and grounded containers only. Avoid storage with acids/bases and strong oxidizers.
Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapour, liquid, and/or solid), all hazard precautions given in this data sheet must be observed.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

Ventilation: Good, general ventilation should be sufficient for most operations. Ten or more room air changes per hour containing a minimum of 15% fresh air are recommended.

Personal Protection: Safety glasses and gloves impervious to the hazardous ingredients are recommended. If used under normal operating conditions, and with adequate ventilation, respiratory equipment is not required.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: Clear, colourless liquid with strong solvent odour.	**Boiling Point/Range:** 133 – 232° F
Odour Threshold: Not Available	**Vapour Density:** Not Available
Specific Gravity (Water = 1.00): 0.767 @ 60° F	**VOC Composite Vapour Pressure:** 19.00 mm Hg @ 20° C
Viscosity: Not Established	**Solubility in Water:** 16%
pH: Not Applicable	**VOC (lbs/gal):** 5.4 (USEPA Method 24)
Freezing Point: Not Available	**Coefficient of Water/Oil Distribution:** Not Available

SECTION 10 – STABILITY AND REACTIVITY

Hazardous Polymerization: Will NOT occur; product is stable.

Hazardous Decomposition Products: Includes, but not limited to smoke, fumes, oxides of nitrogen, oxides of carbon.

Materials and Conditions to Avoid: All potential sources of ignition. Avoid contact with strong oxidizers and strong acids/bases.

SECTION 11 – TOXICOLOGICAL INFORMATION

LD50 (oral, rat): No data available.

Acute Overexposure: Causes eye and skin irritation; may cause respiratory tract irritation.

Chronic Overexposure: Prolonged or repeated skin contact may defat the skin and produce irritation and dermatitis. Chronic overexposure to organic solvents has been suggested as a cause of the following effects in laboratory animals: testis damage, kidney damage, liver damage, effects on hearing, respiratory tract damage, cardiac sensitization, and central nervous system damage. Chronic overexposure to Isopropanol has been suggested as a cause of mild, reversible liver effects in laboratory animals. Overexposure to Xylene has been suggested as a cause of the following effects in humans: central nervous system effects.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity Data: No data available.

Chemical Fate Data: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Hazardous Waste Characterization: D001 (Ignitable Characteristic).

Recommendation: Dispose of materials associated with cleaning up spills and/or leaks according to federal, state and local regulations for ignitable waste. Consult appropriate federal, state and local regulations to determine proper characterization of used product contaminated with other printing process products.

SECTION 14 – TRANSPORT INFORMATION

Ground Shipping (US DOT 49 CFR): Flammable Liquid, n.o.s. (Petroleum Distillates, Isopropanol) 3 UN1993 PG II (ERG#128)

Air (ICAO/IATA) Shipping: Not available.

International Maritime Organization (IMDG) Shipping: Not available.

SECTION 15 – REGULATORY INFORMATION

SARA Title III, Section 313 (Toxic Release Inventory) – Acetone (14%), Xylene (26%).

Clean Air Act 1990 Hazardous Air Contaminants; Clean Air Act HON Rule (Hazardous Air Pollutant-HAP) – Xylene.

SARA Title III, Section 302 (Hazardous Substance List) – None.

Canadian DSL/NDSL Inventory: Components of this product are listed either on the Domestic Substance List (DSL) or the Non-Domestic Substance List (NDSL).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification: Class B Flammable Material; Class D2A Very Toxic Material.

TSCA Inventory: All of this product's components are listed.

SECTION 16 – OTHER INFORMATION

FOR INDUSTRIAL USE ONLY USE ONLY AS DIRECTED DO NOT TAKE INTERNALLY

HAZARD RATING: Health – 2 Flammability – 3 Reactivity – 0 Personal Protection – Glasses, Gloves

Health: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe	Flammability: 0 = Will Not Burn 1 = Flash Point > 200^{o} F 2 = Flash Point > 100^{o} F and < 200^{o} F 3 = Flash Point < 100^{o} F and Boiling Point > 100^{o} F 4 = Flash Point and Boiling Point <100^{o} F	Reactivity: 0 = None 1 = Slight 2 = Moderate 3 = Serious 4 = Extreme
We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. Some information may be based on indirect test data.		