1. CHEMICAL NAME AND COMPANY IDENTIFICATION

Formulated/Manufactured By:	**Tower Products, Inc.** 2703 Freemansburg Avenue Easton, PA 18045
Information Telephone Number:	1-800-527-8626 or 610-253-6206
For Chemical Spill Emergency Call:	**CHEMTREC:** 1-800-424-9300
Product Name:	**N.M.C. II** (Numbering Machine Cleaner and Lubricant)
CAS Number:	Mixture - Not Established

2. HAZARD(S) IDENTIFICATION

GHS Classification

Flammable Liquids (Category 3)
Aspiration Hazard (Category 1)
Specific Target Toxicity - Single Exposure (Category 3)
Skin Irritation (Category 2)
Eye Irritation (Category 2A)
Carcinogenicity (Category 2)

GHS label elements, including hazard and precautionary statements

Pictogram(s)

Signal Word DANGER**!**

Hazard statement(s)
H226: FLAMMABLE LIQUID & VAPOR.
H304: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
H335: MAY CAUSE RESPIRATORY IRRITATION.
H336: MAY CAUSE DROWSINESS OR DIZZINESS.
H315: CAUSES SKIN IRRITATION.
H319: CAUSES SERIOUS EYE IRRITATION.
H351: SUSPECTED OF CAUSING CANCER.

Precautionary statement(s)
Prevention:
P210: KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES AND OTHER IGNITION SOURCES. NO SMOKING.
P261: AVOID BREATHING DUST/FUME/GAS/MIST/VAPORS/SPRAY.
P280: WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.
P264: WASH SKIN THOROUGHLY AFTER HANDLING.
P201: OBTAIN SPECIAL INSTRUCTIONS BEFORE USING.
Response:
P370+P378: IN CASE OF FIRE: USE DRY CHEMICAL OR CARBON DIOXIDE TO EXTINGUISH.
P301+P310+P331: IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR. DO NOT INDUCE VOMITING.
P304+P340: IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.
P303+P361+P353 IF ON SKIN (or hair): TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER (OR SHOWER).

P305+P351+P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.
P308+P313: IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE.
Storage:
P403+P233+P405: STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. STORE LOCKED UP.
Disposal:
P501: DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL REGULATIONS.

HMIS Classification

Health Hazard: 2 Flammability: 2 Physical Hazard: 0 Personal Protection: B

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component(s)	CAS Number	*Concentration (weight)
Aromatic Hydrocarbon	64742-95-6	55-65%
Aliphatic Hydrocarbon	64742-88-7	15-25%
Dipropylene Glycol Monomethyl Ether	34590-94-8	10-20%
Components of the Aromatic Hydrocarbon:		
1,2,4-Trimethybenzene	95-63-6	≤16.5%
Xylene	1330-20-7	≤1.1%
Ethyl Benzene	100-41-4	<1.0% - TRACE
Cumene	98-82-8	<1.0% - TRACE

* In accordance with paragraph (i) of §1910.1200, exact chemical percentages (concentration) of composition have been withheld as a trade secret.

4. FIRST AID MEASURES

Exposure Routes: Inhalation, Ingestion, Skin
Eye Contact: Flush with large volume of water for at least 15 minutes. Get immediate medical attention.
Inhalation: Remove to fresh air. Get immediate medical attention.
Ingestion: Get immediate medical attention. Do not induce vomiting.
Skin Contact: Flush area with large amounts of water for at least 15 minutes**.** Get immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use dry chemical or carbon dioxide.
Specific Hazards: Combustible liquid. Upon combustion, the product may form carbon monoxide and other organic compounds. Product containers may rupture from vapor pressure when exposed to heat from fire.
Special protective equipment for fire-fighters: Use self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions and protective equipment:
Respiratory Protection: Use supplied air equipment or respirators with proper NIOSH approved cartridges.
Protective Gloves: Impervious or chemical resistant gloves (consult safety equipment supplier).
Eye Protection: Chemical splash goggles recommended against potential eye contact.
Other Protective Clothing and Equipment: Safety shoes and aprons recommended.

Methods for Clean-Up:
Minor Spills: Absorb material with ground clay, vermiculite, sand, or similar absorbent material and place into containers for disposal according to local and/or state regulations.
Major Spills: Dike and contain spill. Eliminate potential sources of ignition, and shut off source of spill if possible. Remove liquid by chemical vacuum, absorbent material, or other safe and approved methods, and place into containers for disposal according to local and/or state regulations. Flush area with water to remove residue, and remove flushed solutions as above.

7. HANDLING AND STORAGE

Handling: Combustible Liquid - empty containers can be hazardous and contain explosive vapors. Do not reuse containers. Ground fixed equipment. Bond and ground transfer equipment and containers.

Storage: Store in a cool, dry, ventilated area, away from incompatible substances. Keep containers closed when not in use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines:

COMPONENT	CAS No.	OSHA PEL/TWA	ACGIH TLV/TWA	ACGIH TLV/STEL	OTHER RATING
Aromatic Hydrocarbon	64742-95-6	100ppm(1)	100ppm	150ppm	
Aliphatic Hydrocarbon	64742-88-7	100ppm(2)	100ppm		
Dipropylene Glycol Monomethyl Ether	34590-94-8	100ppm	100ppm	150ppm	100ppm(NIOSH)

(1) Based on PEL for Xylenes.
(2) Based on 1989 VPEL for Stoddard Solvent; current PEL is 500ppm.

This blend contains approximately 1.28% Xylene and 19.2% 1,2,4-Trimethylbenzen. Cumene and Ethyl Benzene are present at less than 1.0%.

Exposure controls: Avoid open electrical sources near product vapor areas.
Personal Protection Equipment:
Eyes: Chemical splash goggles recommended.
Skin and body: Impervious or chemical resistant gloves (consult safety equipment supplier).
Respiratory: Ventilation in work area should be sufficient to maintain atmosphere with vapor level below lowest listed TLV. If TLV's are exceeded, use a respirator with appropriate NIOSH approved cartridges or supplied air equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light colored liquid
Odor: Petroleum odor
pH: N/A
Melting point: N/A
Boiling Point: IBP: 310° F
Flash Point: (Tag Closed Cup Method) 120° F
Flammable Limits: (Calculated)
LEL: 1.0%
UEL: 14.0%
Vapor Pressure: (mmHG calculated) 8.0 @ 68° F (20° C)
Vapor Density: (Air = 1) 4.5
Specific Gravity: (Water = 1) 0.91
Solubility in water: Emulsion
Maximum VOC Content: 6.7 Lbs/Gal (809 Gm/L)
Maximum VOC %: (EPA Method 24) 94%
Odor Threshold: N/A
Evaporation Rate: N/A
Relative Density: N/A
Partition Coefficient: **N-Octano/Water:** N/A
Auto-ignition Temperature: N/A
Decomposition Temperature: N/A
Viscosity: N/A

10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Incompatible Materials: Avoid strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide and other compounds during combustion.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Avoid exposure to high heat sources, electrical and welding arcs, open flame and strong oxidizing agents.
Warning: Spontaneous combustion may occur when solvent soaked combustible materials (paper, cotton etc.) are allowed to stand in confined areas.

11. TOXICOLOGICAL INFORMATION

(ATE) FOR MIXTURE:
Specific tests have not been conducted on this product. Our evaluations based on information from the ingredients and technical literature. Data for this material has been used to estimate the symptoms and effects of exposure.

Oral LD50:
LD50 Oral - ≥ 3,012 mg/kg
Inhalation LC50:
LC50 Inhalation - No data available
Dermal LD50:
LD50 Dermal - ≥ 3,012 mg/kg
Other information on Acute Toxicity:
No data available

Routes of exposure: Inhalation, Ingestion, Skin
Acute: Overexposure may lead to central nervous system depression, leading to headaches, nausea and unconsciousness.
Chronic: Overexposure in high concentrations may produce central nervous system depression.
Signs and Symptoms of Exposure: Overexposure may lead to dizziness, headaches, dermatitis and eye irritation.
Medical Conditions Aggravated by Exposure: Preexisting eye, skin, liver, kidney, nerve, or respiratory disorders may be aggravated by exposure.
Carcinogenicity (NTP, IARC, OSHA): Components of this product are not listed as known human carcinogens.
This blend contains TRACE amounts (<1%) of Ethyl Benzene and Cumene, as components of the Aromatic Hydrocarbon, are listed by IARC as 2B Possible Human Carcinogen.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available
Persistence and degradability: No data available
Bioaccumulative potential: No data available
Mobility in the soil: No data available
Other adverse effects: No data available

13. DISPOSAL CONSIDERATIONS

Waste disposal methods:
Dispose of in accordance with all applicable local, state and federal regulations. Do not discharge this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

14. TRANSPORTATION INFORMATION

U.S. D.O.T. DESIGNATION	ID NUMBER	HAZARD CLASS	PACKING GROUP
Cleaning Liquid (Non-Regulated Combustible)			
U.N. DESIGNATION			
Flammable Liquids, N.O.S. (contains Naphtha, Solvent)	UN1993	3	III

15. REGULATORY INFORMATION

Regulatory Information: This information may be useful in complying with various federal and state regulations: Components present in this product at a level which could require reporting under EPA Regulation 40CFR302 (CERCLA) Section 102 and EPA Regulation 40CFR372 (SARA) 313: This product contains approximately 19.2% 1,2,4-Trimethylbenzene and 1.28% Xylene. Cumene and Ethyl Benzene are present at less than 1%.

Product may contain components which are further regulated by state and/or local agencies - Consult Appropriate Agencies.

Notification status:

U.S.: Toxic Substances Control Act (TSCA)	Y
Canada: Domestic Substances List (DSL):	Y

16. OTHER INFORMATION

For More Information, Consult Tower Products, Inc.
This Information Herein Is Given In Good Faith, But No Warranty, Express Or Implied Is Made.

Date of Preparation: January 1, 2015