

MATERIAL SAFETY DATA SHEET — 16 Sections



SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier M-100 / M100S / M100.55		[WHMIS Classification] 1-0-0	
Product Use FOR USE IN MANUAL STYLE PARTS WASHERS			
Manufacturer's Name TPS PRODUCTS		Supplier's Name TPS PRODUCTS LLC	
Street Address 1256 E. PROSPECT AVE		Street Address	
City MARION	Province	City WI	Province
Postal Code 54950	Emergency Telephone 715-754-2207	Postal Code	Emergency Telephone
Date MSDS Prepared 11-15-2021	MSDS Prepared By pks	Phone Number 715-973-1075	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
D-LIMONENE	3-10%	5989-27-5		
TOMAMINE E-14-5	3-10%%	5989-27-5		
DPNB	18-38%	24991-28-2		
TOMADOL	3-10%	34398-01-1		



SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry	<input checked="" type="checkbox"/> Skin Contact	<input checked="" type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> Eye Contact	<input checked="" type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Ingestion
[WHMIS Symbols] [Emergency Overview]					
 H315/317 MAY CAUSE SKIN IRRITATION		 TOXIC TO AQUATIC LIFE			
Potential Health Effects GHS05 MAY CAUSE CORROSION TO METAL MAY CAUSE SKIN IRRITATION OR EYE IRRITATION CAN BE TOXIC TO AQUATIC LIFE					

SECTION 4 — FIRST AID MEASURES

Skin Contact Immediately wash with water and soap, rinse thoroughly - irritation possible with prolonged contact
Eye Contact Rinse opened eye for several minutes under running water, then consult a doctor if necessary- may cause mild irriataion
Inhalation No adverse effects expected -
Ingestion If swallowed, treat symptomatically and supportively. Do not induce vomiting. If victim is conscious and alert, give water or milk to drink. If vomiting occurs, keep head below hips to prevent aspiration. Contact a physician- no adverse effects anticipated.

SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	
Means of Extinction		
Flashpoint (° C) and Method 212F (PMCC, nonflammable)	Upper Flammable Limit (% by volume) n/a	Lower Flammable Limit (% by volume) n/a
Autoignition Temperature (°C) n/a	Explosion Data — Sensitivity to Impact n/a	Explosion Data — Sensitivity to Static Discharge
Hazardous Combustion Products n/a		
 NFPA 2-0-0	 2-0-0	

Leak and Spill Procedures SMALL SPILLS: Flush with water into containing area or to sewer where applicable within Federal, state or local disposal requirements. LARGE SPILLS: Dike and pump into suitable containers, clean up residual with absorbent material and wash with water. Dispose of in accordance with Federal, State or Local disposal requirements.
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SECTION 6 — ACCIDENTAL RELEASE MEASURES

Handling Procedures and Equipment Wear protective goggles or face shield if splashing or spraying, as with all chemicals
Storage Requirements Protect from freezing, keep container tightly closed. KEEP OUT OF REACH OF CHILDREN

SECTION 7 — HANDLING AND STORAGE

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits <input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process)
Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other
If checked, please specify type No respiratory protection necessary. Ventilation: Good general ventilation is sufficient. Protective clothing: Protective gloves when prolonged exposure is expected.
Eye Protection: Wear safety glasses, as you should when working with any chemical. Work/Hygienic practices: Good personal hygiene practices. Wash hands before and after use.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid	Odour and Appearance Orange/yellow liquid with citrus odor.	Odour Threshold (ppm) n/a
Specific Gravity n/a	Vapour Density (air = 1) n/a	Vapour Pressure (mmHg) n/a
Evaporation Rate n/a	Boiling Point (° F) 210°	Freezing Point (° C) 32°F
pH 9.0 – 10.0	Coefficient of Water/Oil Distribution n/a	[Solubility in Water] complete

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability X Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances X Yes <input type="checkbox"/> No	If yes, which ones? Strong acids and alkalis emulsify product hazardous.
Reactivity, and under what conditions?	
Hazardous Decomposition Products	
Composition or by-products: thermal decomposition may produce CO2	

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	
Primary Eye Irritation, no evidence of corrosion. All cornea involvement or irritation cleared within 72 hours. Primary Skin Irritation: Primary irritation index (PII)- 2.6 based on erythema and edema; no corrosion found	
Effects of chronic exposure	
Irritancy of Product n/a	
Skin sensitization n/a	Respiratory sensitization n/a
Carcinogenicity-IARC n/a	Carcinogenicity - ACGIH n/a
Reproductive toxicity n/a	Teratogenicity n/a
Embrototoxicity n/a	Mutagenicity n/a
Name of synergistic products/effects n/a	

SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity] Aerobic Aquatic Biodegradation (EPA Method 796.3100) The percentage of biodegradation in 28 days was 85.8%

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal Waste disposal (unused material) Flush in contaminated material to sewer where applicable within Federal, state or local disposal laws. Note: chemical addition to or altering this product may make this waste management information incomplete, inaccurate or otherwise inappropriate. State and local waste disposal requirements may be more

restrictive or otherwise different from federal laws. NOTICE: The information herein is presented in good faith and believed to be accurate as of the effected date shown above. However, no warrantee, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that its activities comply with Federal state and local laws. The following specific information is made for the purpose of complying with numerous federal, state and local laws.

Waste Classification: When a decision is made to discarded unused portions of this products, it does not meet RCRA's characteristic definition if ignitability corrosivity or reactivity and none of the materials used in this product are listed in t40CFR 261.336. The toxicity characteristic (TC), however has not been evaluated by the TCLP?

SECTION 14 — TRANSPORT NFORMATION

Special Shipping Information	DOT shipping name: not regulated DOT Hazard Class: None UN shipping name: N/A UN/NA		PIN
	Number: N/A UN Class or Division : N/A UN Packing Group None NMFC Freight Class: Compound Cleaning Fluid Class 55		
TDG	None	[DOT]	None
[IMO]	None	[CAO]	None

**Altering this product may make this waste management information incomplete, inaccurate or otherwise in appropriate.

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification] Health = 1 Flammability = 0 Reactivity = 0	[OSHA]
[SERA]	NPCA- HMIS 1 / 0 / 0

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

DISCLAIMER

The above information is, to the best of our knowledge, current, accurate and complete based on information reasonably available to us as of the date of preparation of this form. However, it is the user's responsibility to determine the safety, toxicity and suitability for his or her own use of the product described herein. Since the actual use by others is beyond our control, no guarantee expressed or implied is made by us as to the effects of such use or the safety or toxicity of this product. Nor is the information herein to be construed as absolutely complete since additional information may be necessary to desirable when exceptions conditions or circumstances exist or because of applicable laws of regulations.