

GRAYMILLS CORPORATION
MATERIAL SAFETY DATA SHEET

NFPA HAZARD RATING	
HEALTH	1
FLAMMABILITY	2
REACTIVITY	0

Conforms to OSHA form No. 1218-0072
 Complies with OSHA hazard communication
 standard, 29CFR1910.1200

IDENTITY: **Super Agitene 141**
 CHEMICAL FAMILY: **Cleaning compound (Combustible Liquid)**

SECTION I

MANUFACTURERS NAME: Graymills Corporation ADDRESS: 3705 North Lincoln Ave. Chicago, Illinois 60613	EMERGENCY #: 1-800-424-9300 (CHEMTREC) DATE PREPARED: June 30, 2011 PREPARED BY: Robert E. Schmalz, Jr. PREPARERS SIGNATURE: <i>Robert E. Schmalz, Jr.</i>
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SECTION II - INGREDIENTS/IDENTITY INFORMATION

SPECIFIC CHEMICAL IDENTITY/COMMON NAME(S):	OSHA PEL	ACGIH TLV	CAS# <small>(*see note)</small>	CONCENTRATION RANGE %
Aliphatic Petroleum Distillate DPM (Dipropylene Glycol Methyl Ether)	100 ppm 100 ppm	100 ppm 100 ppm	64742-88-7* 34590-94-8	>97% <1%

SECTION III- PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE (FAHRENHEIT): 360°- 410°F/182°-210°C VAPOR PRESSURE (mm Hg @ 68°F/20°C): .23 VOC CONTENT: 800 g/l	SPECIFIC GRAVITY (WATER=1): .8 MELTING POINT: N/A EVAPORATION RATE (n-Butyl acetate=1): .04 pH: N/A
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SOLUBILITY IN WATER: Insoluble
 APPEARANCE & ODOR: Clear green liquid, mild mineral spirits odor.

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 142°F-145°F/61.1°C-62.8°C (Tag CC ASTM D56)

FLAMMABLE LIMITS:
 LEL: 0.9%
 UEL: 7.0%

EXTINGUISHING MEDIA: CO₂ foam, dry chemicals, water spray (fog)

SPECIAL FIRE FIGHTING PROCEDURES: Cool sealed drums with water to lessen chance of rupture. Wear self-contained breathing gear. Minimize breathing of gases, vapors or decomposition products.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible liquid, drums could fracture if heated. Auto ignition temperature approximately 450°F (232°C).

SECTION V- REACTIVITY DATA

STABILITY: Unstable Stable

CONDITIONS TO AVOID: Keep away from heat, sparks, and open flame.

INCOMPATIBILITY (MATERIAL TO AVOID): Acids, strong oxidizers such as liquid chlorine, concentrated oxygen, sodium

HAZARDOUS DECOMPOSITION OF BYPRODUCTS: Carbon dioxide, carbon monoxide, fumes, smoke, and aldehydes upon incomplete combustion.

HAZARDOUS POLYMERIZATION: May Occur Will not Occur

CONDITIONS TO AVOID: None

SECTION VI- HEALTH HAZARD DATA			
ROUTE(S) OF ENTRY:	INHALATION <input checked="" type="checkbox"/>	SKIN <input checked="" type="checkbox"/>	INGESTION <input checked="" type="checkbox"/>
HEALTH HAZARDS (ACUTE & CHRONIC):	Skin irritation Dermal: LD ₅₀ > 4 ml/kg - Rabbit Oral: LD ₅₀ > 25 ml/kg - Rat Inhalation: LC ₅₀ > 700 ppm /4H - Rat		
CARCINOGENICITY:	NTP <input type="checkbox"/>	IARC MONOGRAPHS <input type="checkbox"/>	OSHA REGULATED <input type="checkbox"/>
SIGNS & SYMPTOMS OF EXPOSURE:	Skin or eye irritation, dizziness, or headache.		
MEDICAL CONDITIONING GENERALLY AGGRAVATED BY EXPOSURE:	Skin or respiratory allergies.		
EMERGENCY & FIRST AID PROCEDURES:			
<u>Eye Contact:</u>	High vapor concentration may be irritating. If liquid gets into eye, irrigate eye with water for 15 minutes with lid open. See doctor.		
<u>Skin contact:</u>	Prolonged & repeated exposure may dry the skin. If clothing gets wet, remove and wash exposed area with water. Apply skin lotion or lanolin cream. If irritation results, see doctor.		
<u>Inhalation:</u>	Vapors may result in irritation to nose, throat & respiratory tract. High vapor concentration can cause headache & dizziness, and result in central nervous system depression. Remove to fresh air. Use oxygen or artificial respiration if required.		
<u>Ingestion:</u>	Do not induce vomiting. Call Doctor. If more than 2.0 ml/kg is ingested and vomiting has not occurred, then emesis could be induced with doctors supervision. If vomiting occurs, keep head below hip to prevent aspiration of liquid into lungs.		
SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE			
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:	Use absorbent material or sand. Shovel into waste container. Dispose of properly.		
WASTE DISPOSAL METHOD:	Reclaim by distillation or have disposal performed by a licensed waste hauler.		
PRECAUTIONS TO BE TAKEN IN HANDLING & STORING:	Store in cool area away from heat or open flames. All precautions apply to empty container.		
OTHER PRECAUTIONS:	Not biodegradable. Sufficient ventilation in volume and pattern to keep work area concentration below applicable safety levels.		
SECTION VIII - CONTROL MEASURES			
RESPIRATORY PROTECTION (SPECIFY TYPE):	None		
<u>VENTILATION</u>			
LOCAL EXHAUST:	None. Sufficient ventilation in volume and pattern to keep work area concentration below applicable safety levels.		
SPECIAL:	None		
MECHANICAL (GENERAL):	Well ventilated room		
PROTECTIVE GLOVES:	Nitrile		
EYE PROTECTION:	Chemical splash goggles		
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	For constant use, Nitrile gloves and solvent resistant apron are recommended. Wear goggles as appropriate.		
WORK/HYGIENIC PRACTICES:	Use skin lotion or cream if gloves are not worn.		
SECTION IX - TRANSPORTATION INFORMATION			
<u>DOMESTIC (DOT)</u>			
GROUND:	Combustible liquid, N.O.S., not regulated under 49 CFR		
AIR:	Use international regulations		
<u>INTERNATIONAL (ICAO/IATA)</u>			
Petroleum distillates, N.O.S., Class 3, UN1268, Packaging Group III			
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