

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: **Regular Agitene**
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) TELEPHONE #: 1-773-248-6825 DATE PREPARED: May 15, 2005 PREPARERS SIGNATURE: <i>R. C. Patel</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	100 ppm	100 ppm	64742-88-7	>97%
DPM (Dipropylene Glycol Methyl Ether)	100 ppm	100 ppm	34590-94-8	<1%

SECTION III- PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE (FAHRENHEIT): 318°- 388°F/159°-198°C VAPOR PRESSURE (mm Hg @ 68°F/20°C): 1.5 VOC CONTENT: 780 g/l	SPECIFIC GRAVITY (WATER=1): .78 MELTING POINT: N/A EVAPORATION RATE (n-Butyl acetate=1): .15 pH: N/A
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SOLUBILITY IN WATER: **Insoluble**
 APPEARANCE & ODOR: **Clear blue liquid, mild mineral spirits odor.**

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): **105°F/40.6°C (Tag CC ASTM D56)**

FLAMMABLE LIMITS:
 LEL: **0.6%**
 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 hypochlorite, and calcium hypochlorite.**

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:	<input checked="" type="checkbox"/> INHALATION	<input checked="" type="checkbox"/> SKIN	<input checked="" type="checkbox"/> INGESTION
HEALTH HAZARDS (ACUTE & CHRONIC):	Skin irritation Dermal: LD ₅₀ > 4 ml/kg - Rat	Oral: LD ₅₀ > 4000 mg/kg - rat Inhalation: LC ₅₀ > 3670 ppm/8 Hr. - Rat	
CARCINOGENICITY:	NTP <input type="checkbox"/> NO	IARC MONOGRAPHS <input type="checkbox"/> NO	OSHA REGULATED <input type="checkbox"/> NO
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 nemesis 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.			
MECHANICAL (GENERAL): Well ventilated room		SPECIAL: None	
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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