

**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**  
CHEMICAL FAMILY: **Cleaning compound (Combustible Liquid)**

**SECTION I**

MANUFACTURERS NAME: ADDRESS:	Graymills Corporation 3705 North Lincoln Ave. Chicago, Illinois 60613	EMERGENCY #: TELEPHONE #: DATE PREPARED: PREPARERS SIGNATURE:	1-800-424-9300 (CHEMTREC) 1-773-248-6825 May 15, 2005 <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# (*see note)	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	SPECIFIC GRAVITY (WATER=1):	.78
VAPOR PRESSURE (mm Hg @ 68°F/20°C):	1.5	MELTING POINT:	N/A
VOC CONTENT:	780 g/l	EVAPORATION RATE (n-Butyl acetate=1):	.15
		pH:	N/A

SOLUBILITY IN WATER: Insoluble  
APPEARANCE & ODOR: Clear green liquid, mild mineral spirits odor.

**SECTION IV- FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (METHOD USED): 105°F/40.5°C (Tag CC ASTM D56)

FLAMMABLE LIMITS:  
LEL: 0.6%  
UEL: 7.0%

EXTINGUISHING MEDIA: CO<sub>2</sub> 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

\*CAS # for component could vary from different suppliers due to different manufacturing processes. Specs per Shell MSDS 7.591-4

<b>SECTION VI- HEALTH HAZARD DATA</b>			
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 <sub>50</sub> > 4 ml/kg - Rat	Oral: LD <sub>50</sub> > 4000 mg/kg - rat Inhalation: LC <sub>50</sub> > 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.			
<b>EMERGENCY &amp; FIRST AID PROCEDURES:</b>			
<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.			
<b>SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE</b>			
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.	
<b>SECTION VIII - CONTROL MEASURES</b>			
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.	
<b>SECTION IX - TRANSPORTATION INFORMATION</b>			
<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			
<p><i>THE DATA PRESENTED IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF. NEITHER SELLER NOR PREPARER MAKES ANY WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THE INFORMATION PRESENTED, MERCHANTABILITY OR FITNESS OF PURPOSE.</i></p>			
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