

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

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 11, 2000 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	<99%
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 @ 100°F/38°C): <5	MELTING POINT: N/A
VAPOR DENSITY (AIR=1): 4.8	EVAPORATION RATE (n-Butyl acetate=1): <0.1
VOC CONTENT: 780 g/l	pH: N/A

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. Autoignition 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 components could vary from different suppliers due to different manufacturing processes. Specs per Shell MSDS 7.591-4

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION SKIN INGESTION

HEALTH HAZARDS (ACUTE & CHRONIC): Skin irritation Oral: LD₅₀ > 4000 mg/kg - rat
 Dermal: LD₅₀ > 4 ml/kg - Rat Inhalation: LC₅₀ > 3670 ppm/8 Hr. - Rat

CARCINOGENICITY: NTP IARC MONOGRAPHS OSHA REGULATED
 NO NO 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:

Eye Contact: High vapor concentration may be irritating. If liquid gets into eye, irrigate eye with water for 15 minutes with lid open. See doctor.
Skin contact: 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.
Inhalation: 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.
Ingestion: 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

VENTILATION
 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

DOMESTIC (DOT)
 GROUND: Combustible liquid, N.O.S., not regulated under 49 CFR
 AIR: Use international regulations

INTERNATIONAL (ICAO/IATA)
 Petroleum distillates, N.O.S., Class 3, UN1268, Packaging Group III

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