

GRAYMILLS CORPORATION
MATERIAL SAFETY DATA SHEET

NFPA HAZARD RATING	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	1

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

IDENTITY: **DN10**
CHEMICAL FAMILY: Detergent Neutralizer (Powder)

SECTION I

MANUFACTURER'S NAME: ADDRESS:	Graymills Corporation 3705 North Lincoln Ave. Chicago, Illinois 60613	EMERGENCY #: DATE PREPARED: PREPARED BY: PREPARERS SIGNATURE:	1-800-424-9300 (CHEMTREC) July 7, 2011 Robert E. Schmalz, Jr. <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#	CONCENTRATION RANGE %
Aluminum Sulfate	2mg/m ³	2mg/m ³	10043-01-3	>90

SECTION III- PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (FAHRENHEIT):	N/A	SPECIFIC GRAVITY (WATER=1):	1.61
VAPOR PRESSURE (mm Hg @ 20°C):	<.1	MELTING POINT:	N/A
VAPOR DENSITY (AIR=1):	N/A	EVAPORATION RATE (n-BUTYL ACETATE=1):	N/A
VOC CONTENT	0	pH (1% SOLUTION):	3.5

SOLUBILITY IN WATER: Excellent
APPEARANCE & ODOR: White or creamy white with no odor.

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): Not flammable
FLAMMABLE LIMITS: N/A
LEL:
UEL:
EXTINGUISHING MEDIA: N/A
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus approved by NIOSH.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None. See Hazardous Decomposition of By-Products, section V.

SECTION V- REACTIVITY DATA

STABILITY: Stable Unstable
CONDITIONS TO AVOID: Temperature above 760°C (1400°F) yield toxic and corrosive gases.
INCOMPATIBILITY (MATERIAL TO AVOID): Alkalies and water—reactive materials.
HAZARDOUS DECOMPOSITION OF BY-PRODUCTS: At very high temperature cited above, sulfur oxide gases are generated.
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):	Dust or mist inhalation above the TLV may irritate the respiratory tract. Ingestion may irritate gastrointestinal tract. May cause skin irritation, especially under prolonged or repeated contact, especially when moisture is present. May irritate or
CARCINOGENICITY:	NTP IARC MONOGRAPHS OSHA REGULATED <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO
SIGNS & SYMPTOMS OF EXPOSURE:	Eye, skin and throat irritation. Nausea, vomiting or purging.
MEDICAL CONDITIONING GENERALLY AGGRAVATED BY EXPOSURE:	Respiratory condition and sensitive skin.
EMERGENCY & FIRST AID PROCEDURES:	Skin contact: Remove contaminated clothing. Wash with soap and water, apply lanolin cream. If rash or irritation occurs, get medical attention. Eyes: Irrigate with water for 15 minutes, see doctor. Ingestion: If conscious, give large quantity of water or milk. If not already vomiting, induce vomiting. Keep head below hips to prevent aspiration. See doctor. Inhalation: Promptly remove to fresh air.
SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:	Shovel up dry chemical and put into container for proper disposal. Spray residue with plenty of water.
WASTE DISPOSAL METHOD:	Dissolve in water and neutralize to under 9.0 pH, with alkali. Dispose of in accordance with Federal, State, and Local regulations.
PRECAUTIONS TO BE TAKEN IN HANDLING & STORING:	Avoid contact with skin, eyes or clothing. Avoid breathing dust or mist.
OTHER PRECAUTIONS:	Provide protection against pressure build up of CO ₂ in the container.
SECTION VIII - CONTROL MEASURES	
RESPIRATORY PROTECTION (SPECIFY TYPE):	Respirator approved by NIOSH for dust or mist.
<u>VENTILATION</u>	
LOCAL EXHAUST:	If dust or misty conditions prevail.
MECHANICAL (GENERAL):	None
SPECIAL:	None
PROTECTIVE GLOVES:	Cloth work gloves for routine handling. Rubber or Nitrile gloves for liquid handling.
EYE PROTECTION:	Safety glasses—Do not wear contact lenses.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	None
WORK/HYGIENIC PRACTICES:	Remove contaminated clothing immediately.
SECTION IX - TRANSPORTATION INFORMATION	
<u>DOMESTIC (DOT)</u>	
GROUND:	Not Restricted
AIR:	Not Restricted
<u>INTERNATIONAL (ICAO/IATA)</u>	
GROUND:	Not Restricted
AIR:	Not Restricted
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