



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 4319

PRODUCT NAME: COAGULITE 201**USE:** Coagulant for liquid/solid separations**SUPPLIER:**JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada**EMERGENCY PHONE:****1-800-668-7171****WHMIS CLASSIFICATION:** E**CHEMICAL FAMILY:** not applicable**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Aluminium Sulphate	40-70	010043-01-3	LD50 1930 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** Natural rubber or Neoprene**Eye:** Safety Goggles**Footwear:** Not required**Respiratory:** If mists are generated, use NIOSH approved mask**Other:** Not applicable**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** Avoid eye and skin contact**VENTILATION REQUIREMENTS:** General ventilation**INCOMPATIBILITY (Material to Avoid):** Oxidizing agents, powdered chlorinated cleaners and alkalis.**SPILL PROCEDURES:** Soak up with absorbent material then wash area with water.**WASTE DISPOSAL:** Dispose of according to municipal, provincial, and federal regulations**STORAGE / SHIPPING REQUIREMENT:** Store in a cool dry area in a closed container..
UN1760

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear yellow liquid; mild detergent odour**S.G. / BULK DENSITY(g/cc):** 1.33**pH:** approx. 2.5**VAPOUR PRESSURE (mmHg):** 14.2**VAPOUR DENSITY (air=1):** not applicable**ODOUR THRESHOLD:** not applicable**BOILING POINT:** 120°C**FREEZING POINT:** -16°C**PERCENT VOLATILE:** 70%**SOLUBILITY IN WATER:** soluble**EVAPORATION RATE (water=1):** not applicable

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:**EYES:** May strongly irritate or burn eyes.**SKIN:** May cause irritation.**INGESTION:** Harmful if swallowed. Causes nausea, vomiting, pain and diarrhea if product is ingested.**INHALATION:** Mist inhalation may irritate nose, throat and lungs.**LD50 (calculated):** 4020 mg/kg**LC50 (calculated):** not available

OTHER TOXIC EFFECTS: not available	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:	Aluminium sulphate has been shown to cause liver, kidney and nervous system toxicity when tested in laboratory animals.
VI - FIRST AID MEASURES	
EYES:	Flush eyes with plenty of water for at least 15 minutes.. If irritation occurs, contact a physician immediately.
SKIN:	Wash affected area thoroughly water. If irritation occurs, contact a physician.
INGESTION:	Never give anything by mouth to an unconscious patient. Remove patient to fresh air. Induce vomiting. If conscious give immediately, by mouth, large amounts of fine suspension in water or a non-toxic calcium compound such as calcium lactate .
INHALATION:	Get medical attention for any breathing difficulty.
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: No	
FLASH POINT, °C: not applicable	AUTO IGNITION TEMPERATURE, °C: not available
EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus	
HAZARDOUS COMBUSTION PRODUCTS: not applicable.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: high temperature	
INCOMPATIBILITY (Material to Avoid) : Oxidizing agents, powdered chlorinated cleansers, alkalies.	
HAZARDOUS DECOMPOSITION PRODUCTS: At temperatures above 760°C, sulphur oxide and aluminium oxide gases are released. Sulphur oxide are toxic corrosive and are oxidizers.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RETCS, Supplier MSDS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Industrial Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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