



I - PRODUCT IDENTIFICATION AND USE		MSDS ID: 57213		
PRODUCT NAME: SUMA ARMADA K7 PAK				
USE: Destainer				
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada	EMERGENCY PHONE: 1-800-668-7171			
WHMIS CLASSIFICATION: D2B E CHEMICAL FAMILY: Alkali/Enzyme	TRADE NAME / SYNONYMS: not applicable CHEMICAL NAME: not applicable			
II - HAZARDOUS INGREDIENTS				
HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium metasilicate	3-7	006834-92-0	LD50 1153 mg/kg	oral/rat
Sodium carbonate	30-60	000497-19-8	LD50 4090 mg/kg	oral/rat
Alcohol ethoxylate	1-5	068002-97-1	LD50 2750 mg/kg	oral/rat
Sodium dodecylbenzene sulphonate	1-5	025155-30-0	LD50 1260 mg/kg	oral/rat
Proteinase	0.5-1.5	009014-01-1	LD50 3700 mg/kg	oral/rat
III - HANDLING AND DISPOSAL PROCEDURES				
PERSONAL PROTECTIVE EQUIPMENT:				
Gloves: Natural rubber, Neoprene or Nitrile Eye: Safety glasses Footwear: As required				
Respiratory: NIOSH approved dust mask Other: Not normally required.				
SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid breathing dust. Avoid eye and prolonged skin contact. Do not remove screen from capsule.				
VENTILATION REQUIREMENTS: General ventilation				
INCOMPATIBILITY (Material to Avoid): Acids				
SPILL PROCEDURES: Wear protective clothing. Sweep or scoop up material for disposal. Ensure adequate ventilation.				
WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.				
STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. Avoid high humidity. Do not store above 30°C.				
IV - PHYSICAL PROPERTIES				
APPEARANCE / ODOUR: Pale blue powder				
S.G. / BULK DENSITY(g/cc): 0.97 - 1.16		pH: (1% solution): 11.5		
VAPOUR PRESSURE (mmHg): not applicable		VAPOUR DENSITY (air=1): not applicable		
ODOUR THRESHOLD: not applicable		BOILING POINT: not applicable		
FREEZING POINT: not applicable		PERCENT VOLATILE: not applicable		
SOLUBILITY IN WATER: soluble		EVAPORATION RATE (water=1): not applicable		
V - TOXICOLOGICAL PROPERTIES				
EFFECTS OF ACUTE EXPOSURE TO MATERIAL:				
EYES: May cause severe irritation. May cause permanent damage if not treated promptly.				
SKIN: May cause irritation.				
INGESTION: May cause severe irritation of the digestive tract. May cause temporary or permanent damage if not treated promptly.				

INHALATION: Breathing dust may cause respiratory irritation. Repeated or prolonged exposure may cause respiratory sensitization and allergic response in hypersensitive individuals.

LD50 (calculated): 5526 mg/kg

LC50 (calculated): not applicable

OTHER TOXIC EFFECTS: TLV (Sodium metasilicate): 2 mg/m³; TLV-STEL (Proteinase): 0.00006 mg/m³

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: Repeated or prolonged inhalation of dust may cause respiratory sensitization and allergic response in hypersensitive individuals.

VI - FIRST AID MEASURES

EYES: Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.

SKIN: Flush affected area thoroughly with water. If irritation develops, contact a physician.

INGESTION: Drink large volumes of water. Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.

INHALATION: Remove patient to fresh air. Get medical attention for any breathing difficulty.

VII - FIRE AND EXPLOSION DATA

FLAMMABLE: No

FLASH POINT, °C: not applicable

AUTO IGNITION TEMPERATURE, °C: N/Ap

EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen, sulphur.

EXPLOSIVE SENSITIVITY TO: not applicable

VIII - REACTIVITY DATA

STABILITY: Stable [x] Unstable []

CONDITIONS TO AVOID: high humidity; high storage temperatures

INCOMPATIBILITY (Material to Avoid): acids

HAZARDOUS DECOMPOSITION PRODUCTS: Contact with acid generates heat and liberates carbon dioxide.

REACTIVITY: not dangerously reactive

IX - MSDS PREPARATION

SOURCES USED: RTECS

PREPARED BY: JohnsonDiversey Canada, Inc.
Regulatory Department
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