

I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 2187

PRODUCT NAME: MSA MASK CLEANER

USE: Detergent/Disinfectant

SUPPLIER:

JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: not applicable

CHEMICAL FAMILY: Surfactant

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Quaternary ammonium chloride mixture	1-5	not available	LD50 7000 mg/kg	oral/rat
Tetrasodium edta	0.1- 1.5	000064-02-8	LD50 3200 mg/kg	oral/rat
Tetrapotassium pyrophosphate	3-7	007320-34-5	LD50 2980 mg/kg	oral/rat
Sodium metasilicate	1-5	006834-92-0	LD50 1153 mg/kg	oral/rat
Ethoxylated alcohol	3-7	068002-97-1	LD50 4150 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: natural rubber or neoprene

Eye: safety glasses

Footwear: not required

Respiratory: If mists are generated, use NIOSH approved mask

Other: not required

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and prolonged skin contact.

VENTILATION REQUIREMENTS: general ventilation

INCOMPATIBILITY (Material to Avoid): Acids, anionic materials, strong oxidizing materials.

SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. Mop up or soak up with absorbent clay for disposal.

WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.

STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. Avoid freezing.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear colourless liquid

S.G. / BULK DENSITY(g/cc): 1.076

pH: (concentrate) 13.2 ± 0.5

VAPOUR PRESSURE (mmHg): not available

VAPOUR DENSITY (air=1): not available

ODOUR THRESHOLD: not available

BOILING POINT: approx. 100°C

FREEZING POINT: approx. 0°C

PERCENT VOLATILE: 84%

SOLUBILITY IN WATER: soluble

EVAPORATION RATE (water=1): approx. 1

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: May cause severe irritation. May cause temporary or permanent damage if not treated promptly.

SKIN: Repeated or prolonged contact may result in irritation.

INGESTION: May cause severe irritation of the digestive tract.

INHALATION: No serious or irreversible effects expected.	
LD50 (calculated): 18,164 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: Tetrapotassium pyrophosphate TLV 10 mg/m3; Sodium metasilicate TLV 2 mg/m3	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: none known	
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.
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: No	
FLASH POINT, °C: none	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.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [X] Unstable []	
CONDITIONS TO AVOID: not applicable	
INCOMPATIBILITY (Material to Avoid) : Acids, anionic materials, strong oxidizing materials.	
HAZARDOUS DECOMPOSITION PRODUCTS: Heat released on contact with acids. Contact with anionic materials causes inactivation. Heat released on contact with oxidizing materials.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS, RM MSDS	PREPARED BY: JohnsonDiversey Canada. Inc. Regulatory Department Industrial Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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