



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 0845A

PRODUCT NAME: F-2

USE: General Purpose Chlorinated Cleaner

SUPPLIER:

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

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: D2B E

CHEMICAL FAMILY: Chlorinated Alkali

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Chlorinated trisodium phosphate	30-60	011084-85-8	not available	
Sodium carbonate	10-30	000497-19-8	LD50 4090 mg/kg	oral/rat
Sodium tripolyphosphate	15-40	007758-29-4	LD50 4100 mg/kg	oral/rat
Sodium dodecylbenzene sulphonate	3-7	025155-30-0	LD50 438 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: natural rubber, neoprene or PVC

Eye: safety glasses

Footwear: not required

Respiratory: NIOSH approved dust mask

Other: not required

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid breathing dust.

VENTILATION REQUIREMENTS: mechanical exhaust

INCOMPATIBILITY (Material to Avoid): Acids, reducing agents, ammonia and amines.

SPILL PROCEDURES: Sweep or scoop up material for disposal. Wash spill area with large volumes of water.

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

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

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: White, free-flowing powder - chlorine odour.

S.G. / BULK DENSITY(g/cc): 1.1

pH: not available

VAPOUR PRESSURE (mmHg): not applicable

VAPOUR DENSITY (air=1): not applicable

ODOUR THRESHOLD: not available

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: Corrosive. May cause severe irritation. May cause permanent damage if not treated promptly.

SKIN: May cause severe irritation.

INGESTION: Corrosive. May cause severe irritation of the digestive tract.

INHALATION: Breathing dust may cause respiratory irritation.

LD50 (calculated): 438 mg/kg		LC50 (calculated): not available	
OTHER TOXIC EFFECTS: none known			
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: not available			
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.		
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 a self-contained breathing apparatus.			
HAZARDOUS COMBUSTION PRODUCTS: chlorine gas			
EXPLOSIVE SENSITIVITY TO: not applicable			
VIII - REACTIVITY DATA			
STABILITY: Stable [x] Unstable []			
CONDITIONS TO AVOID: not applicable			
INCOMPATIBILITY (Material to Avoid) : Acids, reducing agents, amines and ammonia.			
HAZARDOUS DECOMPOSITION PRODUCTS: Contact with acids will produce heat and release chlorine gas. Reducing agents can generate heat releasing chlorine gas. Contact with ammonia and amines can produce nitrogen gas and chloramines.			
REACTIVITY: not dangerously reactive			
IX - MSDS PREPARATION			
SOURCES USED: RTECS		PREPARED BY: JohnsonDiversey Canada. Inc. Regulatory Department Food Division Phone (905) 829-1200	
PREPARATION DATE: April 15, 2003			
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