



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 57425

PRODUCT NAME: ACIDPLUS

USE: Heavy duty non-fuming mixed acidic descaler

SUPPLIER:

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

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: D1A E

CHEMICAL FAMILY: mineral acid

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Nitric acid	30-60	007697-37-2	LC50 49 ppm/4H	inh/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: neoprene or nitrile

Eye: safety goggles

Footwear: as required

Respiratory: If mists are generated, use NIOSH approved mask

Other: rubber apron

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact. Do not breathe mist, spray or vapours.

VENTILATION REQUIREMENTS: Local exhaust ventilation.

INCOMPATIBILITY (Material to Avoid): Alkaline and chlorinated materials. Soft metals, organic materials.

SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. Neutralize with sodium bicarbonate, sodium carbonate or lime. Mop up or soak up with absorbent clay for disposal. Wash spill area with large volumes of 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. UN2031

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear, red liquid

S.G. / BULK DENSITY(g/cc): 1.29

pH: (concentrate): 1.0

VAPOUR PRESSURE (mmHg): not available

VAPOUR DENSITY (air=1): not available

ODOUR THRESHOLD: not available

BOILING POINT: 100°C

FREEZING POINT: not available

PERCENT VOLATILE: 53%

SOLUBILITY IN WATER: soluble

EVAPORATION RATE (water=1): approx. 1

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

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

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

INGESTION: Corrosive. May cause severe irritation of the digestive tract. May cause temporary or permanent damage if not treated promptly.

INHALATION: Corrosive. Inhalation of spray or mist may cause severe respiratory irritation.

LD50 (calculated): not available

LC50 (calculated): 49 ppm/4 hr.

OTHER TOXIC EFFECTS: Breathing vapours may cause delayed lung injury.		TLV (nitric acid) - TWA 2 ppm, - STEL 4 ppm	
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 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: not applicable.			
EXPLOSIVE SENSITIVITY TO: not applicable			
VIII - REACTIVITY DATA			
STABILITY: Stable [x] Unstable []			
CONDITIONS TO AVOID: Contact with soft metals.			
INCOMPATIBILITY (Material to Avoid) : Alkaline and chlorinated materials. Aluminium, brass, copper, iron, mild steel. Organic materials.			
HAZARDOUS DECOMPOSITION PRODUCTS: Contact with chlorinated materials will release chlorine gas. Contact with alkali will generate heat. Contact with soft metals forms flammable hydrogen gas. Contact with organic materials will generate heat.			
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			
Information on this form is furnished in compliance with the Regulations respecting Controlled Products under the Hazardous Products Act and is not to be used for any other purpose, nor is it to be reproduced or published. JohnsonDiversey Canada assumes no responsibility for injury to any person or property resulting from any use of the material if reasonable safety procedures are not adhered to. In addition, JohnsonDiversey Canada assumes no responsibility for injury to any person or property resulting from any abnormal use or theft of the material, even if reasonable safety procedures are followed. Each user assumes the risk in his use of the material and should review the data and recommendations in the specific context of the intended use.			