

MATERIAL SAFETY DATA SHEET

Maunco Cleaning Supplies Warehouse

270 Adam Street, Belleville ON K8N 5S4

Tel: 613.962.0437 • www.maunco.com

PRODUCT INFORMATION

PRODUCT NAME VORTEX	WHMIS CLASS: D2A E
CHEMICAL FAMILY ACIDS	

PHYSICAL PROPERTIES

APPEARANCE AND ODOUR	LIQUID	MILKY WHITE	UNSCENTED
BOILING POINT (°C)	N.D.	EVAPORATION RATE (nBuAc= 1)	N.D.
VAPOR PRESSURE (mm Hg)	N.D.	VISCOSITY (cps) 22°C 20rpm spindle #	N.D.
VAPOR DENSITY (AIR = 1)	N.D.	FREEZING POINT (°C)	N.D.
SOLUBILITY IN WATER	COMPLETE	pH	0,0
VOLATILE BY VOLUME (%)	99,8	SPECIFIC GRAVITY (WATER = 1)	1,095
ACTIVE MATERIAL (%)	19,0	THEORETICAL SOLID CONTENTS (%)	

HAZARDOUS INGREDIENTS

INGREDIENTS	CAS OR UN number	%	TLV (units) ACGIH
HYDROGEN CHLORIDE	CAS 7647-01-0	10-30	5 ppm

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): N/A
FLAMMABLE LIMITS LOWER: N/A UPPER: N/A
EXTINGUISHING MEDIA: N/A
SPECIAL FIRE FIGHTING PROCEDURES: N/A
UNUSUAL FIRE AND EXPLOSIVE HAZARDS: N/A
AUTOIGNITION TEMPERATURE: N/A
Date: March 2, 2010 phone:(450) 687-6666 1-800-661-6660 Marc Lessard,chemist
DIRECTOR R&D

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TOXICOLOGICAL PROPERTIES

THRESHOLD LIMIT VALUE: 5 ppm

EFFECTS OF OVEREXPOSURE:

SKIN CONTACT: CORROSION, POSSIBLE ALLERGIC DERMATITE, BURNS

EYE CONTACT: BURNS, CORROSION (POSSIBILITY OF PERMANENT DAMMAGES)

INHALATION COUGH

INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION OR ULCERATION AND SEVERE BURNS OF THE MOUTH AND THROAT.

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: RINSE WITH PLENTY OF WARM WATER AND SOAP. PUT ON SODIUM BICARBONATE OR MAGNESIUM OXIDE SEE A PHYSICIAN.

EYE CONTACT: FLUSH WITH PLENTY OF WARM WATER FOR 15 MINUTES;CALL A PHYSICIAN

INHALATION REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE MOUTH-TO-MOUTH RESUSCITATION

INGESTION DO NOT INDUCE VOMITING. GET IMMEDIATELY MEDICAL CARE. DRINK A TEA SPOON OF MILK OR RAW WHITE EGG.

REACTIVITY DATA

STABLE: STABLE

CONDITIONS TO AVOID: EXCESSIVE HEAT, EMIT TOXIC GAZ

INCOMPATIBILITY WITH: METAL, CYANIDE, HYPOCHLORITE, FLUORIDE, ALKALIE, AMINE AND OXIDES

HAZARDOUS DECOMPOSITION PRODUCTS: HYDROGEN, CHLORINE, HYDROGEN CHLORIDE

HAZARDOUS POLYMERIZATION: NO CONDITIONS TO AVOID: N/A

SPILL OR LEAK PROCEDURES

PREVENTIVES MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

PUT ON SODIUM BICARBONATE, MIX AND THEN DROP INTO THE SEWAGE WITH PLENTY OF WATER

WASTE DISPOSAL METHOD:

CHECK WITH THE ENVIRONMENTAL MINISTERY REGIONAL OFFICE.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: APPROPRIATE RESPIRATORY MACHINE

VENTILATION MECHANICAL GENERAL

PROTECTIVE GLOVES: RUBBER

EYE PROTECTION: GOGGLES

OTHER PROTECTIVE EQUIPMENT: EYE PROTECTION MACHINE; DO NOT DRINK OR EAT

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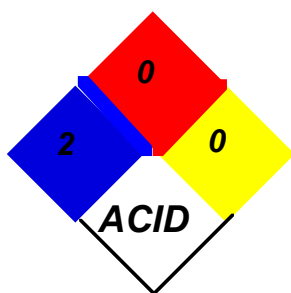
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VORTEX

SPECIAL PRECAUTIONS

STORAGE TEMPERATURE	MIN 1°C	MAX 30°C
TDG: CORROSIVE LIQUIDS, ACID, INORGANIC, NSO (HYDROCHLORIC ACID) UN 3264 CLASS 8 PGGR II PLACARDS 8 LABELS 8+ WAY UP		

NFPA



SIMD / HMIS

Santé / Health	2
Inflammabilité / Flammability	0
Réactivité / Reactivity	0
Protection personnelle / Personal protection	i