



MATERIAL SAFETY DATA SHEET

I - IDENTIFICATION AND USE

PRODUCT NAME: **VANT**

PRODUCT USE: **CONCRETE CLEANER**

SUPPLIER: **ECO-CHOICE INDUSTRIES INC.**
25 Planchet Road, #5
Concord, ON L4K 2C5

Tel: **(905) 532-9100**

CANUTEC: (613) 996-6666 (24HRS)

II - HAZARDOUS INGREDIENTS OF PRODUCT

CHEMICAL IDENTITY CAS# % TLVLD50 LC50
HYDROGEN CHLORIDE 7647-01-0 23

III - PHYSICAL DATA FOR PRODUCT

PHYSICAL STATE: LIQUID
ODOUR & APPEARANCE: LIQUID; PUNGENT, IRRITATING ODOUR
SOLUBILITY IN WATER: INFINITE
PH: 0.5 0.2
SPECIFIC GRAVITY: 1.05 0.4 GM/CM
VAPOUR PRESSURE <25 AT 20 C
VAPOUR DENSITY WATER
EVAPORATION RATE WATER
BOILING POINT 100 C
FREEZING POINT <-5 C
% VOLATILE 76 1

IV - FIRE AND EXPLOSION HAZARD

FLAMMABILITY: NO
MEANS OF EXTINCTION: N/A
SPECIAL PROCEDURES: PRODUCT BY ITSELF IS NON-FLAMMABLE. THERE IS HOWEVER, A LATENT FIRE OF EXPLOSION HAZARD WHEN IN CONTACT WITH METALS DUE TO GENERATION HYDROGEN GAS.

FIRE FIGHTING EQUIPMENT; PRESSURE DEMAND RESPIRATORY EQUIPMENT.
SENSITIVITY TO IMPACT: N/A
OTHER FIRE AND EXPLOSION DATA: AUTOIGNITION TEMPERATURE = N/A
UPPER EXPLOSION LIMIT: N/A
LOWER EXPLOSION LIMIT: N/A
HAZARDOUS COMBUSTION PROD: TOXIC, IRRITATING

V - REACTIVITY DATA

CHEMICAL STABILITY: YES
INCOMPATIBILITY MATERIALS: AVOID BASE, AVOID CONTACT WITH MOST METALS. AVOID OXIDIZING MATERIALS, CAN OXIDIZE TO CHLORINE CONDITIONS: CONTACT WITH METALS MAY CAUSE GENERATION OF EXPLOSIVE OR FLAMMABLE GAS (HYDROGEN)
HAZARDOUS DECOMPOSITION PRODUCTS: NOT PERTINENT

VI - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:	SKIN CONTACT	YES
	EYE CONTACT	YES
	INGESTION	YES
	INHALATION	YES

EFFECTS OF ACUTE EXPOSURE TO PRODUCT:

EYE: RAPIDLY CAUSES SEVERE BURNS, POSSIBLY WITH PERMANENT IMPAIRMENT OF VISION

SKIN CONTACT: RAPIDLY CAUSES SEVERE BURNS INGESTION: THE GREATEST HAZARD IS THE CORROSIVE ACTION SYSTEMATIC AND OTHER EFFECTS, IRRITATION, PAIN, SEVERE BURNS

INHALATION: SEVERELY IRRITATING

SKIN ABSORPTION: NOT LIKELY TO BE ABSORBED IN TOXIC AMOUNTS

VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES IMPERVIOUS : EYE SPLASH GOGGLES, GLASSES

- RESPIRATORY NIOSH APPROVED RESPIRATORY PROTECTION IS REQUIRED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. SPRAY APPLICATIONS WILL CREATE MIST AND REQUIRES RESPIRATORY PROTECTION. FOR EMERGENCIES, A SELF-CONTAINED BREATHING APPARATUS OR A FULL FACED RESPIRATOR APPROVED BY NIOSH OTHER FULL PROTECTIVE SUIT IS RECOMMENDED WHENEVER THERE IS A POSSIBILITY THAT THIS PRODUCT MAY COME IN CONTACT WITH CLOTHING OR SKIN

ENGINEERING CONTROLS: CONTROL VAPOUR TO 5 PPM OR LESS AT ALL TIMES LEAK AND SPILL PROCEDURE: SMALL QUANTITIES MAY BE FLUSHED WITH COPIOUS QUANTITIES OF WATER; IN CASE OF LARGER AMOUNTS, CONTAIN LIQUID. USE LIMESTONE, LIME OR SODA ASH TO NEUTRALIZE.WASTE DISPOSAL: LARGE AMOUNTS NEUTRALIZE FIRST PRIOR TO DISCHARGING MATERIAL TO THE SEWER SYSTEM

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH SKIN AND EYES AND AVOID BREATHING IRRITATING VAPOURS.

SPECIAL SHIPPING INFORMATION: HYDROCHLORIC ACID SOLUTION, CLASS 8, PIN # 1789

STORAGE REQUIREMENTS: STORE IN CLOSED CONTAINERS, AWAY FROM CHILDREN

SPECIAL PRECAUTIONARY STATEMENTS: PLEASE READ AND FOLLOW THE DIRECTIONS ON THE PRODUCT LABEL. THEY ARE YOUR BEST GUIDE TO USING THIS PRODUCT IN THE MOST EFFECTIVE WAY, AND THEY ALSO GIVE THE NECESSARY SAFETY PRECAUTIONS TO PROTECT YOUR HEALTH.

VIII - FIRST AID MEASURES

EYES: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR 30 MINUTES, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. SEEK MEDICAL ATTENTION PROMPTLY.

SKIN: SKIN BURN IS LIKELY. WASH AND FLUSH GENEROUSLY WITH A LOT OF WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. WASH BEFORE REUSE.

INGESTION: CORROSIVE. DO NOT INDUCE VOMITING. GIVE AT LEAST TWO GLASSES OF WATER OR MILK AND GET MEDICAL ATTENTION.

INHALATION: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL HELP.

PREPARED BY: ECO-CHOICE INDUSTRIES LAB GROUP

DATE: JANUARY 2014

NOTICE: INFORMATION CONTAINED IN THIS MSDS IS DRAWN FROM RELIABLE SOURCES. WE DO NOT ASSUME ANY LIABILITY IN CONNECTION WITH ITS INADEQUATE USE.