

VANI-SOL BOWL AND URINAL CLEANSER

MATERIAL SAFETY DATA SHEET / FICHE SIGNALÉTIQUE

SECTION I — MATERIAL IDENTIFICATION AND USE / IDENTIFICATION DE LA MATIÈRE ET USAGE

MATERIAL NAME / IDENTIFIER — NOM / IDENTIFICATION DE LA MATIÈRE

VANI-SOL* BOWL AND URINAL CLEANSER

HMIS CLASSIFICATION RATING

Health Hazard: 3
 Flammability Hazard: 0
 Reactivity Hazard: 1
 Personal Protection Index: b

*Reg. Trade Mark

MANUFACTURER'S NAME / NOM DU FABRICANT National Laboratories, Divn. of Sterling Drug Ltd.		SUPPLIER'S NAME / NOM DU FOURNISSEUR Ltd.	
STREET ADDRESS / ADRESSE 37 Hanna Avenue		STREET ADDRESS / ADRESSE	
CITY / VILLE Toronto	PROVINCE Ontario	CITY / VILLE	PROVINCE
POSTAL CODE / CODE POSTAL M6K 1W9	EMERGENCY PHONE NO. / N° DE TÉLÉPHONE D'URGENCE 416-535-2070/773-1122	POSTAL CODE / CODE POSTAL	EMERGENCY PHONE NO. / N° DE TÉLÉPHONE D'URGENCE
CHEMICAL NAME / DÉNOMINATION CHIMIQUE Not Applicable	CHEMICAL FAMILY / FAMILLE CHIMIQUE Not Applicable	CHEMICAL FORMULA / FORMULE CHIMIQUE Not Applicable	
TRADE NAME AND SYNONYMS / APPELLATION COMMERCIALE ET SYNONYMES VANI-SOL BOWL & URINAL CLEANSER	MOLECULAR WEIGHT / POIDS MOLECULAIRE Not Applicable	MATERIAL USE / UTILISATION DE LA MATIÈRE Toilet Bowl & Urinal Cleanser	

SECTION II — HAZARDOUS INGREDIENTS OF MATERIAL / INGRÉDIENTS DANGEREUX DE LA MATIÈRE

HAZARDOUS INGREDIENTS / INGRÉDIENTS DANGEREUX	APPROXIMATE CONCENTRATION / CONCENTRATION APPROXIMATIVE (%)	C.A.S. NO. OR U.N. NUMBERS / NUMÉRO CAS, NA OU ONU	LD ₅₀ (SPECIFY SPECIES & ROUTE) / DL ₅₀ (PRÉCISER L'ESPÈCE ET LA VOIE D'ADMINISTRATION)	LC ₅₀ (SPECIFY SPECIES AND ROUTE) / CL ₅₀ (PRÉCISER L'ESPÈCE ET LA VOIE D'ADMINISTRATION)
Hydrochloric Acid	23.0	7647-01-0	Rabbit, Oral, 900mg/Kg	Rat, Inhalation, 3124 ppm/1Hr.
Acetophenone	0.2	98-86-2	Rat, Oral, 900mg/Kg.	Not Established

NON-HAZARDOUS INGREDIENTS UNDER WHMIS LEGISLATION

Iso-Propyl Alcohol	<0.01	67-63-0
O-Benzyl-p-Chlorophenol	0.01	120-32-1
Quaternary Ammonium Compound	0.05	1399800
Styrene Acrylic Emulsion (60% Solids)	1.0	-
Corrosion Inhibitor	0.24	-
Nonyl Phenol Ethylene Oxide Condensate	0.6	9016-45-9
Water to	100.0	

SECTION III — PHYSICAL DATA FOR MATERIAL / CARACTÉRISTIQUES PHYSIQUES DE LA MATIÈRE

PHYSICAL STATE / ÉTAT PHYSIQUE <input type="checkbox"/> GAS / GAZ <input checked="" type="checkbox"/> LIQUID / LIQUIDE <input type="checkbox"/> SOLID / SOLIDE		ODOUR AND APPEARANCE / ODEUR ET APPARENCE Opaque white liquid, acidic odour.	
ODOR THRESHOLD (P.P.M.) / N° DE L'ODEUR (P.P.M.) Not Established	SPECIFIC GRAVITY / DENSITÉ RELATIVE 1.12 ± 0.01	VAPOUR PRESSURE (MM) / TENSION DE VAPEUR (MM) Not Established	VAPOUR DENSITY (AIR = 1) / DENSITÉ DE VAPEUR (AIR = 1) Not Established
EVAPORATION RATE / TAUX D'ÉVAPORATION Not Established	BOILING POINT (°C) / POINT D'ÉBULLITION (°C) >90°C	FREEZING POINT (°C) / POINT DE CONGÉLATION (°C) <-10°C	SOLUBILITY IN WATER (20°C) / SOLUBILITÉ DANS L'EAU (20°C) Soluble in all proportions
% VOLATILE (BY VOLUME) / % VOLATILITÉ (PAR VOLUME) Approx. 100%	pH <2	COEFFICIENT OF WATER OIL DISTRIBUTION / COEFFICIENT DE RÉPARTITION EAU/HUILE Not Established	

SECTION IV — FIRE AND EXPLOSION HAZARD OF MATERIAL / RISQUES D'INCENDIE ET D'EXPLOSION DU MATÉRIEL

FLAMMABILITY: INFLAMMABILITÉ YES: OUI NO: NON

IF YES, UNDER WHICH CONDITIONS? / SI OUI, DANS QUELLES CONDITIONS? _____

MEANS OF EXTINCTION / MOYENS D'EXTINCTION

Not Applicable

SPECIAL PROCEDURES MARCHÉ À SUIVRE SPÉCIALE

Hydrochloric acid fumes will be given off when heated. Wear self-contained breathing apparatus.

FLASHPOINT (°C) AND METHOD / POINT D'ÉCLAIR (°C) ET MÉTHODE DE DÉTERMINATION

>93°C Tag Closed Cup

UPPER EXPLOSION LIMIT (% BY VOLUME) / SEUIL MAXIMAL D'INFLAMMABILITÉ (% PAR VOLUME)

Not Established

LOWER EXPLOSION LIMIT (% BY VOLUME) / SEUIL MINIMAL D'INFLAMMABILITÉ (% PAR VOLUME)

Not Established

AUTOIGNITION TEMPERATURE (°C) / TEMPÉRATURE D'AUTO-INFLAMMATION (°C)

Not Established

HAZARDOUS COMBUSTION PRODUCTS / PRODUITS DE COMBUSTION DANGEREUX

HCl

EXPLOSION DATA / DONNÉES SUR L'EXPLOSIBILITÉ

SENSITIVITY TO MECHANICAL IMPACT / SENSIBILITÉ AUX CHOCS

Not Sensitive

SENSITIVITY TO STATIC DISCHARGE / SENSIBILITÉ AUX DÉCHARGES ÉLECTROSTATIQUES

Not Sensitive

SECTION V — REACTIVITY DATA / DONNÉES SUR LA RÉACTIVITÉ

CHEMICAL STABILITY / STABILITÉ CHIMIQUE YES: OUI NO: NON

IF NO, UNDER WHICH CONDITIONS? / SI NON, DANS QUELLES CONDITIONS? _____

INCOMPATIBILITY TO OTHER SUBSTANCES / INCOMPATIBILITÉ AVEC D'AUTRES SUBSTANCES YES: OUI NO: NON

IF SO, WHICH ONES? / SI OUI, AVEC LESQUELLES? Iron, Copper, Zinc, Aluminum, Concrete, Ammonia, Bleach.

Contact with metals may cause generation of flammable quantities of Hydrogen gas.

REACTIVITY AND UNDER WHAT CONDITIONS / RÉACTIVITÉ — DANS QUELLES CONDITIONS?

Product is acidic - will react with alkaline materials.

HAZARDOUS DECOMPOSITION PRODUCTS / PRODUITS DE DÉCOMPOSITION DANGEREUX

Hydrochloric acid fumes.

SECTION VI — TOXICOLOGICAL PROPERTIES OF MATERIAL / PROPRIÉTÉS TOXICOLOGIQUES DE LA MATIÈRE

ROUTE OF ENTRY / VOIE D'ADMINISTRATION

SKIN CONTACT / CONTACT AVEC LA PEAU

SKIN ABSORPTION / ABSORPTION PAR LA PEAU

EYE CONTACT / CONTACT OCULAIRE

INHALATION ACUTE / INHALATION AIGUË

INHALATION CHRONIC / INHALATION CHRONIQUE

INGESTION

EFFECTS OF ACUTE EXPOSURE TO MATERIAL / EFFETS DE L'EXPOSITION AIGUË À LA MATIÈRE

SKIN CONTACT - Corrosive, irritating.

EYE CONTACT - Corrosive, Irritating.

INGESTION - Corrosive, Harmful or fatal if swallowed.

INHALATION - Irritating to the throat, severe exposures may result in Pulmonary

Oedema and/or Laryngeal spasm.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL / EFFETS DE L'EXPOSITION CHRONIQUE À LA MATIÈRE

None Known

SECTION VIII — FIRST AID MEASURES / PREMIERS SOINS

INTERNAL - If swallowed, drink 3 or 4 glasses of water or milk. Do not induce vomiting. Call physician immediately.

EYES - If splashed in eyes, flush thoroughly with water for at least 15 minutes and get medical attention.

SKIN - If on skin, flush with water for at least 15 minutes. Call a physician.

INHALATION - Remove to fresh air and treat symptomatically. Call a physician.

ADDITIONAL INFORMATION / RENSEIGNEMENTS SUPPLÉMENTAIRES

SECTION IX — PREPARATION DATE OF M.S.D.S. / FICHE SIGNALÉTIQUE

PREPARED BY (GROUP, DEPARTMENT, ETC.) / PRÉPARÉ PAR (GROUPE, DÉPARTEMENT, ETC.)

National Laboratories, Marketing & Technical Services

TELEPHONE NUMBER N° DE TELEPHONE

416-535-2070

DATE

SEP 1 1988

Dept.

ADDITIONAL NOTES OR REFERENCES / NOTES ADDITIONNELLES OU RÉFÉRENCES:

MATERIAL NAME/IDENTIFIER
NOM/IL IDENTIFICATION DE LA MATIÈRE

VANISOL BOWL AND URINAL CLEANSER

LD₅₀ OF MATERIAL (SPECIFY SPECIES & ROUTE)/
 LD₅₀ DE LA MATIÈRE (PRÉCISER L'ESPECE ET LA VOIE D'ADMINISTRATION)
 Not Established - but will be similar
 to 23% Hydrochloric acid.

LC₅₀ OF MATERIAL (SPECIFY SPECIES & ROUTE)/
 LC₅₀ DE LA MATIÈRE (PRÉCISER L'ESPECE ET LA VOIE D'ADMINISTRATION)
 Not Established - but will be similar to
 23% Hydrochloric acid.

EXPOSURE (LIMITS)/LIMITES D'EXPOSITION
 ACGIH, TLV 5ppm Hydrogen chloride

IRRITANCY OF MATERIAL/PROPRIÉTÉ IRRITANTE DE LA MATIÈRE
 Corrosive. Skin and eye irritants

SENSITIZATION OF MATERIAL/SENSIBILISATION À LA MATIÈRE
 No effects reported

SYNERGISTIC MATERIALS/MATIÈRES SYNERGIQUES
 None Known.

CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY/CANCÉROGÉNÉCITÉ, EFFETS NOCIFS SUR LA REPRODUCTION, TÉRATOGENÉCITÉ, MUTAGÉNÉCITÉ
 No effects Known

SECTION VII — PREVENTIVES MEASURES / MESURES PRÉVENTIVES

PERSONAL PROTECTIVE EQUIPMENT/MATÉRIEL PERSONNEL DE PROTECTION

GLOVES (SPECIFY)/GANTS (PRÉCISER)
 Impervious gloves (rubber or Neoprene)

EYE (SPECIFY)/YEUX (PRÉCISER)
 Safety goggles or face shield

RESPIRATORY (SPECIFY)/APPAREIL RESPIRATOIRE (PRÉCISER)
 Use only as recommended in a well ventilated area.

OTHER (SPECIFY)/AUTRES (PRÉCISER)

ENGINEERING CONTROLS (E.G. VENTILATION, ENCLOSED PROCESS, SPECIFY)/MÉCANISMES TECHNIQUES (EX VENTILATION, OPÉRATION EN MILIEU FERMÉ, PRÉCISER)
 Use with adequate ventilation.

LEAK AND SPILL PROCEDURE/MESURES EN CAS DE FUITE OU DE DEVERSEMENT
 SMALL QUANTITIES - May be flushed to waste with copious quantities of water.

LARGE QUANTITIES - Dyke to contain. Use limestone, lime or soda ash to cautiously
 neutralize (considerable heat may be generated)

WASTE DISPOSAL/ÉLIMINATION DES RESIDUS
 SMALL QUANTITIES - May be flushed to waste with copious quantities of water.

LARGE QUANTITIES - Contact National Laboratories for further instructions.

HANDLING PROCEDURES AND EQUIPMENTS/METHODS ET EQUIPEMENT POUR LA MANUTENTION
 CAUTION - Contains acid. Corrosive. Use only on Toilet bowls and urinals. Do not mix
 with any other chemicals.

STORAGE REQUIREMENTS/EXIGENCES D'ENTREPOSAGE
 Store in a cool, well-ventilated area. Keep out of reach of children.

SPECIAL SHIPPING INFORMATION/RENSEIGNEMENTS SPÉCIAUX POUR L'EXPÉDITION
 Shipped as "Hydrochloric acid solution, Class 8, PIN/UN 1789, PK. GR 11 (9.2)".

Packaged in cases 24x1L, and cases 4x4.5L.