

MATERIAL SAFETY DATA SHEET- VANQUISH

SECTION I - PRODUCT IDENTIFICATION AND USE

Product Identifier: **VANQUISH**
 Product Use: **QUATERNARY-BASED DISINFECTANT**
 Supplier: **SHARE CANADA**
 Address: **1691 CHURCH AVENUE, WINNIPEG, MANITOBA, R2X 2Y7**
 Telephone: **GENERAL INFORMATION (800) 665-7692 CHEMTEC: (613) 996-6666**

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Ingredients	CAS Number	Concentration %	Exposure Limits
n, n Dialkyl (C 8-10) n,n dimethylbenzene ammonium chloride	68424-95-3	3.30 %	Not established.
n,-Alkyl (C 12-16) diamethylbenzene ammonium chloride	68424-85-1	2,20 %	Not established.
Poly (oxyethylene) nonylphenol	9016-45-9	2.0 – 5.0 %	Not established.
Tetrasodium ethylenediamine tetraacetate	64-02-8	1.1 – 5.0 %	Not established.

SECTION III - PHYSICAL DATA

Physical State: **LIQUID**
 Odour and appearance: **CLEAR, COLOURLESS LIQUID, DETERGENT ODOUR.**
 Odour threshold: **Not available.** Solubility in water: **SOLUBLE**
 Specific Gravity (Water=1): **1.0** pH: **12.40**
 Vapour pressure (mm Hg): **Not available.** Vapour density (air = 1): **Not available.**
 Evaporation rate (water = 1): **Not available.** % volatile by volume: **< 1.0**
 Boiling point (C^o): **Not available.** Freezing point (C^o): **Not available.**

SECTION IV - FIRE AND EXPLOSION DATA

Flammable or combustible: **No** Flash point (C^o): **Greater than 100^o**
 Upper flammable limit: **Not applicable.** Lower flammable limit: **Not applicable.**
 Autoignition temperature: **Not applicable.** Flammability classification: **NONE**
 Conditions of flammability: **Not applicable.**
 Special fire fighting procedures: **COOL FIRE-EXPOSED CONTAINERS WITH WATER FOG. FIRE FIGHTERS SHOULD BE EQUIPPED WITH FULL PROTECTIVE GEAR INCLUDING SELF CONTAINED BREATHING APPARATUS.**
 Means of extinction: **WATER, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL.**
 Hazardous combustion products: **PRODUCTS OF COMBUSTION ARE TOXIC**
 Sensitivity to mechanical impact: **NO.** Sensitivity to static discharge: **NO.**

SECTION V - REACTIVITY DATA

Is the product stable? **YES – STABLE** Conditions of reactivity: **NONE KNOWN**
 Incompatible substances: **STRONG ACIDS**
 Hazardous decomposition products: **THERMAL DECOMPOSITION MAY PRODUCE HYDROGEN CHLORIDE, AMINES AND OTHER ORGANIC MATERIALS, OXIDES OF CARBON AND NITROGEN.**

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SECTION VI - TOXICOLOGICAL PROPERTIES

WHMIS CLASSIFICATION: CLASS E - CORROSIVE.

Primary routes of exposure: SKIN AND EYE CONTACT, INGESTION, INHALATION.

Effects of acute exposure: **EYES:** CORROSIVE. IRREVERSIBLE EYE DAMAGE. MODERATE TO SEVERE IRRITATION. REDNESS, TEARING. POSSIBLE BURNS AND IRREVERSIBLE DAMAGE MAY OCCUR WITH PROLONGED CONTACT. **SKIN:** CORROSIVE. CAUSES SKIN BURNS. MAY BE ABSORBED THROUGH THE SKIN. MODERATE TO SEVERE IRRITATION, CHAPPING WITH PROLONGED OR REPEATED EXPOSURE. **INGESTION:** IMMEDIATE BURNING PAIN IN THE MOUTH, THROAT, ABDOMEN AND SEVERE SWELLING OF THE LARYNX. SKELETAL MUSCLE PARALYSIS, AFFECTING ABILITY TO BREATHE, CIRCULATORY SHOCK, CONVULSIONS, MAY BE FATAL. CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, CRAMPS AND DIARRHEA. **INHALATION:** MAY CAUSE HEADACHE, IRRITATION TO THE EYES, NOSE AND THROAT AND MUCOUS MEMBRANES.

Note to physician: PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. MEASURES AGAINST CIRCULATORY SHOCK, AS WELL AS MEASURES TO SUPPORT BREATHING MANUALLY OR MECHANICALLY MAY BE NEEDED. PROVIDE OXYGEN IF INDIVIDUAL IS HAVING DIFFICULTY BREATHING.

Sensitizer: NOT KNOWN AS A SENSITIZER.

Carcinogen: NO - IARC, NTP, OSHA Mutagen: NOT KNOWN TO BE A MUTAGEN

SECTION VII - PREVENTION MEASURES

Gloves: CHEMICAL RESISTANT	Respirator: USE WITH ADEQUATE VENTILATION. DO NOT BREATHE VAPOURS OR MIST.	Eye protection: SAFETY GLASSES OR CHEMICAL GOGGLES
Footwear: NO SPECIAL REQUIREMENTS	Clothing: PROTECTIVE CLOTHING	Other: EYE WASH STATION, SAFETY SHOWER

Engineering controls: LOCAL VENTILATION RECOMMENDED.

Leak and spill procedures: VENTILATE AREA AND CONTAIN SPILL. SOAK UP WITH INERT ABSORBENT MATERIAL AND PLACE IN A CLOSED CONTAINER FOR DISPOSAL. FLUSH AWAY RESIDUE WITH WATER.

Waste disposal: CONSULT LOCAL ENVIRONMENTAL AUTHORITIES.

Handling and storage requirements: STORE IN A COOL, DRY PLACE. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. DO NOT CONTAMINATE DRINKING WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. KEEP OUT OF THE REACH OF CHILDREN.

Special shipping information: NOT CONTROLLED UNDER T.D.G.

SECTION VIII - FIRST AID MEASURES

Eye contact: FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.

Ingestion: CONTACT PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY. RINSE MOUTH WITH WATER. GIVE 3 – 4 GLASSES OF WATER OR MILK. DO NOT INDUCE VOMITING UNLESS INSTRUCTED BY A PHYSICIAN OR POISON CONTROL CENTRE. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Skin contact: WASH WITH SOAP AND LARGE AMOUNTS OF WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND LAUNDRY SEPARATELY BEFORE RE-USE.

Inhalation: MOVE PERSON TO FRESH AIR. IF PERSON IS NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION. PROVIDE OXYGEN IF BREATHING IS DIFFICULT.

SECTION IX - PREPARATION DATA

Information sources: SUPPLIER'S MSDS
Telephone Number: (800)665-7692

Prepared by: SHARE CANADA
Preparation Date: January 30, 2017