

**Twin Pro Industrial
Safety Data Sheet**

1.) IDENTIFICATION:

Product Name:	TWP1001 Neutral Disinfectant Cleaner
Other Means of Identification:	None
Product Use and restrictions on use:	Disinfectant Cleaner Din#02312905
Initial Supplier Identifier:	Twin Industrial Holdings Ltd. O/A Twin Pro Industrial 731 – 30 th Street North, Bay #2 Lethbridge, AB T1H 5G5 403-329-4878
Prepared by	Twin Pro Industrial
Emergency Phone	CANUTEC at 1-613-996-6666

2.) HAZARDS IDENTIFICATION

Signal Word

Danger

Hazard Statements

May Causes skin burns
Can cause serious eye damage
Harmful or fatal is swallowed
May cause respiratory irritation
May cause respiratory irritation

Pictograms



Precautionary Statements

Keep only in original container
Do not eat, drink or smoke when using this product
Wash hands thoroughly after handling
Do not breathe dust or mist
Use only outdoors or in a well-ventilated area
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves/clothing and eye/face protection
Wear eye/face protection
Avoid release to the environment
Absorb spillage to prevent material damage
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. See a doctor/physician immediately
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Drink plenty of water, avoid alcohol.
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
Store in corrosive resistant/container with a resistant inliner.
Store locked up, Store Container tightly closed in well-ventilated place.

3.) COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight	Unique Identifiers
Quaternary Ammonium Compounds	68424-85-1	5% - 15%	None

4.) FIRST AID MEASURES

Inhalation:	Remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek immediate medical attention.
Skin Contact:	Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if irritation occurs or persists.
Eye Contact:	Flush immediately with water for at least 20 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue. Seek immediate medical attention.
Ingestion:	Do not induce vomiting. If vomiting does occur, lean victim forward to prevent breathing in vomitus. Give a cup of water to rinse mouth and dilute chemical in stomach. If vomiting occurs, give another cup of water after vomiting. Do not give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention.

5.) FIRE – FIGHTING MEASURES

Suitable Extinguishing Media:	Use media appropriate for surrounding fire.
Unsuitable Extinguishing Media	Not Available
Specific Hazards Arising From The chemical	Not Available
Special Protective Equipment And Precautions for Fire-Fighters	Fire fighters should wear full protective clothing, including self-contained breathing equipment. Move containers from fire area if you can do so without risk
Further Information:	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. In the event of fire and/or explosion do not breathe fumes.

6.) ACCIDENTAL RELEASE MEASURES

Personal Precautions / Protective Equipment / Emergency Procedures	Wear appropriate protective equipment. Ventilate area. Vapors evolved from the spill or leak can be knocked down with water fog or spray. Stop or reduce leak if safe to do so. Flush with water to remove any residue.
Environmental precautions	Prevent large amounts of material from entering sewers.
Methods and Materials For Containment and Cleaning Up	Spill Precautions: Soap up spill with absorbent material. Place residues in a suitable, covered, properly labeled container. Wash affected area. Water in contact with the product may cause slippery floor conditions Large Spills: Contain liquid using absorbent material, by digging trenches or by diking. Reclaim into recovery or salvage drums or tank truck for proper disposal. Contact an approved waste hauler for disposal of contaminated recovered material.

7.) HANDLING AND STORAGE

Precautions for Safe Handling Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.

Conditions for Safe Storage Store in a dry, well-ventilated area, out of direct sunlight and away from heat sources. Do not contaminate water, food or feed by storage or disposal. Keep container dry.

8.) EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit(s)

<u>Component</u>	<u>Regulation</u>	<u>Type of Listing</u>	<u>Value</u>
Quaternary Ammonium Compounds	Not Available	Not Available	Not Available

Engineering Control(s)

Ventilation Requirements

Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available and texted in accordance with regulations and be in close proximity.

Other

Protective Equipment

Eyes/Face

Wear safety glasses with side shields (or goggles) and a face shield. Contact lenses should never be worn; they may contribute to severe eye injury.

Hand Protection

Wear protective clothing as necessary to prevent skin contact. Wash contaminated clothing and dry thoroughly before reuse.

Skin and Body Protection

Wear protective clothing as necessary to prevent skin contact. Wash contaminated clothing and dry thoroughly before reuse.

Respiratory Protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable), an approved respirator must be worn. Wear positive pressure self-contained breathing apparatus (SCBA)

Thermal Hazards

Not Available

9.) PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State	Liquid
Color	Yellow
Odor	Lemon Scent
Odor Threshold	Not Available

Property

pH	6.5
Melting Point/Freezing Point	Not Available
Initial Boiling Point /boiling range	Not Available
Flash Point	Not Applicable
Evaporation Rate	Not Available
Flammability	Non-Flammable
Upper Flammable Limit	Not Applicable
Lower Flammable Limit	Not Applicable
Vapor Pressure(mm Hg, 20°C)	Same as water
Vapor Density (Air=1)	Not Available
Relative Density	Not Available
Solubility(ies)	Complete in Water
Partition Coefficient: n-octanol/water	Not Available
Auto-ignition Temperature	Not Applicable
Decomposition Temperature	Not Available
Viscosity	

10.) STABILITY AND REACTIVITY

Reactivity	Not Available
Stability	Stable under normal conditions
Possibility of Hazardous Reactions	No dangerous reaction known under conditions of normal use.
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid contact with incompatible materials.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Product	Upon decomposition, this product may yield oxides of nitrogen, and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

11.) TOXICOLOGICAL PROPERTIES

Acute Toxicity

<u>Component</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Inhalation LC50</u>
Quaternary Ammonium Compounds	50 – 500 mg/kg (rat)	>2000 mg/kg(rabbit)	0.054 – 0.51 mg/l

Chronic Toxicity - Carcinogenicity

<u>Component</u>	<u>IARC</u>
Quaternary Ammonium Compounds	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA

Skin Corrosion/Irritation	May cause skin burns
Ingestion	Not Available
Inhalation	Not Available
Serious Eye Damage/Irritation	May cause severe eye damage
Respiratory or Skin Sensitization	Not Available
Germ Cell Mutagenicity	Not Available
Reproductive Toxicity	This product is not expected to cause reproductive or developmental effects.
STOT – Single Exposure	Not Available
STOT – Repeated Exposure	Not Available
Aspiration Hazard	Not Available
Synergistic Materials	Not Available

12.) ECOLOGICAL INFORMATION

Exotoxicity

<u>Component</u>	
Quaternary Ammonium Compounds	Very toxic to aquatic life with long lasting effects.

Biodegradability	Readily biodegradable
Bioaccumulation	Not Available
Mobility	Not Available
Other Adverse Effects	Not Available

13.) DISPOSAL CONSIDERATIONS

Waste From Residues/ Unused Products	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.
Contaminated Packaging	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

14.) TRANSPORT INFORMATION

UN Number	Not Regulated
UN Proper Shipping Name	Not Regulated
Transport Hazard Class(es)	Not Regulated
Packing Group	Not Regulated
Environmental Hazards	Not Available
Special Precautions	Not Available
Transport in Bulk	Not Available

TDG

Other: Secure containers (full or empty) with suitable hold down devices during shipment and ensure all caps, valves, or closures are secured in the closed position.

15.) REGULATORY INFORMATION

WHMIS Classification: Not Regulated

This product has been classified in accordance with the hazard criteria of the Canadian controlled products regulations. This SDS sheet contains all the information required by those regulations.

16.) PREPARATION AND OTHER INFORMATION

Version 2 Preparation Date: Jan 15, 2016

USE THIS NUMBER IN CASE OF DANGEROUS GOODS EMERGENCY:
CANUTEC (613) 996-6666

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

Attention: Receiver of the chemical goods / SDS coordinator

Twin Industrial Holdings Ltd. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-users.
