

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name:	: Precision HTD
Product Use:	: Automatic High Temperature Dish Detergent
Supplier Name and Address:	: Corporate Facility Supply 7 Neilson Street St. Catharines, ON L2M 5V9
Telephone:	: (905) 682-8888
Emergency Telephone:	: CANUTEC (613) 996-6666

SECTION 2 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Physical State:
GHS Classification:
 Skin Irritation:
 Eye Irritation:
 Acute Toxicity:
GHS Label Elements:
 Hazard Pictograms

Liquid
 Category 1C
 Category 1
 Category 1



Signal Word:
 Hazard Statements:

Danger
 H302 Harmful if swallowed
 H312 Harmful in contact with skin
 H318 Causes serious eye damage

Precautionary Statements:

Prevention
 P102 Keep out of reach of children
 P262 Do not get in eyes, on skin, or on clothing
 P284 In case of inadequate ventilation wear respiratory protection
Response
 P302 IF ON SKIN: Flush with plenty of water for at least 15 minutes
 P305 IF IN EYES: Flush with plenty of water for at least 15 minutes
 P332+P313 If skin irritation persists, get medical attention

Potential Health Effects:
 Inhalation

: Strongly irritating to the eyes, nose, throat and lungs. High concentration of vapours will cause irritation. Similar effects with misting the product.

Skin

: Dangerous in case of skin contact. Causes burns. Symptoms may be delayed.

Eyes

: Contact can result in tissue damage.

Ingestion

: Harmful or fatal if swallowed.

Aggravated Medical Condition

: None known

Symptoms of Overexposure

: See section 11.

SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS

Chemical Name	CAS-No.	Concentration [%]	Trade Secret
Sodium Hypochlorite	7681-52-9	5-10	*
Sodium Xylene Sulfonate	1300-72-7	1-5	*
Sodium Hydroxide	1310-73-2	5-10	*

***The exact percentage is withheld as a trade secret**

SECTION 4 - FIRST-AID MEASURES

General Advice	: Move out of dangerous area Consult a physician Show this Safety Data Sheet to the doctor in attendance
Inhalation	: Move victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing and no pulse. Obtain medical attention immediately.
Skin Contact	: Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Seek medical attention if irritation develops/persists.
Eye Contact	: If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Get medical attention if irritation develops and persists. Rinse with water. Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Seek medical attention if irritation develops.
Ingestion	: Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Seek medical attention, or contact poison control centre immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or in convulsing. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. IF SWALLOWED: immediately call a POISON CENTRE or doctor/physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Alcohol foam, carbon dioxide, dry chemical
Specific hazards arising from the chemical	: None known
Special protective actions for fire-fighters	: None
Additional advice	: None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions	: Wear appropriate protective equipment.
Environmental precautions	: Prevent entry into sewers or streams. Dike if needed. The bacteria and carriers are naturally occurring and should not pose an environmental risk.
Methods and materials for containment/ cleaning up	: Vacuum or sweep up avoiding generation of mist. Place in suitable labeled containers and hold for waste disposal. Wash spill site with water.
Additional advice	: None

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling	: Use of nitrile gloves and eye protection is optional.
Conditions for safe storage	: Keep out of reach of children. Do not freeze. Store in a closed container away from incompatible materials as provided in Section 10..
Other data	: Do not freeze.

SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters	: Not available
Engineering Controls	: Normal building ventilation is adequate. Ensure that eyewash stations and safety showers are close to the workstation location
Personal Protective Equipment	
Eye/face protection	: Safety glasses with side shields when there is potential for eye contact. Face shield also recommended for handling large amounts. Contact lenses should not be worn
Hand protection	: Nitrile or rubber gloves are recommended
Skin protection	: Protective coveralls or thick clothing that covers exposed skin
Respiratory protection	: Wear a NIOSH/MSHA approved air-purifying respirator equipped with chlorine cartridges when vapours reach high levels
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice When using do not eat or drink When using do not smoke Wash hands before breaks and at the end of the workday

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	: Clear liquid
Odor:	: Slightly pungent
Odor Threshold:	: Not available
pH:	: 11
Melting point/ freezing point:	: Not available
Initial boiling point and boiling range:	: Not available
Flash point:	: Not available
Evaporation rate:	: Not available
Flammability (solid, gas):	: Not available
Upper/lower flammability or explosive limits:	: Not available
Vapour pressure:	: Not available
Vapour density:	: Not available
Relative density (g/mL):	: 1.06

Water solubility:	: Not available
Solubility in other solvents:	: Not available
Partition coefficient: n-octanol/water:	: Not available
Auto-ignition temperature:	: Not available
Decomposition temperature:	: Not available
Viscosity:	: As water

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	: Product is stable
Chemical Stability	: Stable under normal conditions
Possibility of hazardous reactions	: Hazardous decomposition products are not known
Conditions to avoid	: Avoid contact with oxidizing chemicals.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: Not available

SECTION 11 - TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity	: Not available
Skin Corrosion/ Irritation	: Not available
Serious eye damage/irritation	: Not available
Respiratory or skin sensitization	: Not available
Germ cell mutagenicity	: Not available
Carcinogenicity	: Not available
Reproductive toxicity	: Not Available
STOT-single exposure	: Not available
STOT-repeated exposure	: Not available
Aspiration hazard	: Not available

Toxicology Data for Ingredients

Sodium Hypochlorite

Acute toxicity	: LD50 oral, mouse: 5800 mg/kg LC50 Not available
Skin irritation	: Contact with skin may also cause vesicular eruptions and eczematoid dermatitis which becomes evident upon re-exposure. Prolonged or repeated eye contact may cause conjunctivitis.
Eye irritation	: Eye contact may also cause corneal and conjunctival hemorrhages.
Sensitization	: Inhalation causes slight to severe respiratory tract irritation and delayed pulmonary edema. Prolonged or repeated inhalation may cause allergic respiratory reaction (asthma).
Other	: Very hazardous in case of skin contact (irritant), of ingestion. Hazardous in case of skin contact (corrosive), of eye contact (corrosive). Slightly hazardous in case of inhalation (lung sensitizer, lung corrosive). May affect genetic material (mutagenic) (Sodium hypochlorite) Can cause severe irritation and possible burns to skin and eyes. Ingestion can cause burns to the digestive tract. Symptoms may include: 1. Pain and inflammation of the mouth, pharynx, esophagus, and stomach. 2. Erosion of the mucous membranes (chiefly of the stomach), nausea, vomiting, choking, coughing, hemorrhage. 3. Circulatory collapse with cold and clammy skin (due to methemoglobinemia), cyanosis, and shallow respirations. 4. Confusion, delirium, coma. 5. Edema of the pharynx, glottis,

Sodium Xylene Sulfonate

Acute toxicity

Skin irritation

Eye irritation

Sensitization

Other

larynx with stridor and obstruction. 6. Performance of the esophagus, or stomach, with mediastinitis or peritonitis.

: LD50 dermal, rabbit: >2000 mg/kg

LD50 oral, rat: 7200 mg/kg

LC50 Not available

: Causes skin irritation

: Irritating to eyes

: Not available

: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. This product is not expected to cause reproductive or developmental effects.

Sodium Hydroxide

Acute toxicity

Skin irritation

Eye irritation

Sensitization

: LD50 intraperitoneal, mouse: 40 mg/kg

LC50 Not available

: rabbit: 500 mg/ 24 hours, severe

: rabbit: 400 ug mild; 1% eyes, severe

: Not available

SECTION 12 - ECOLOGICAL INFORMATION

Product Information:

Toxicity:

: Strongly alkaline. May cause damage to aquatic life.

Persistence and degradability:

: Not available

Bioaccumulative potential:

: Not available

Mobility in soil:

: Not available

Other adverse effects:

: Not available

Toxicology Data for Ingredients:

Sodium Hypochlorite

Toxicity:

: LC50 Not available

LC50 Not available

Persistence and degradability:

: Not available

Bioaccumulative potential:

: Not available

Mobility in soil:

: Not available

Other adverse effects:

: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. The product itself and its products of degradation are not toxic.

Sodium Xylene Sulfonate

Toxicity:

: EC50 algae: >=230 mg/kg, 72 hours

EC50 daphnia: >=1000 mg/L, 48 hours

LC50 fish: >=1000 mg/L, 96 hours

Persistence and degradability:

: Readily biodegradable

Bioaccumulative potential:

: Not available

Mobility in soil:

: Not available

Other adverse effects:

: None

Sodium Hydroxide

Toxicity:

: LC50 Not available

LC50 Not available

Persistence and degradability:

: Not available

Bioaccumulative potential:

: Not available

Mobility in soil:

: Not available

Other adverse effects:

: Slightly toxic to aquatic organisms on an acute basis. (LC50, EC50 between 10 and 100mg per litre in species tested)

SECTION 13 - DISPOSAL CONSIDERATIONS

Product : Sanitary sewer or dry absorbent if available.
For large quantities, contact local environmental
department or government authorities
Do not dispose in drains, waterways, or soil
Do not contaminate ponds, or ditches with chemical or the
used container

SECTION 14 - TRANSPORT INFORMATION

UN Number : Not available
UN Proper Shipping Name : Not available
Transport hazard class(es) : Not available
Packing group, if applicable : Not available
Environmental hazards : Not available
Special precautions for user : Not Available
**Transport in bulk according to Annex II of
MARPOL 73/78 and the IBC Code** : Not applicable

SECTION 15 - REGULATORY INFORMATION

WHMIS Status : Not known
WHMIS classification : Class E

SECTION 16 - OTHER INFORMATION

Prepared by: Technical Services
Telephone number: (905) 682-8888

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NOTICE: The data and information presented herein are based upon tests, research and reports which are considered by us to be reliable and believed to be accurate. The data and information are presented without warranty, guarantee or liability on our part, and are presented to the customer for his own consideration, investigation and verification. If user requires independent information on ingredients in this or any other material, we recommend contact with Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905 572-4400)