

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT/MANUFACTURER'S IDENTITY

**PRODUCT NAME:** Nutral Cleaner

**PRODUCT I.D. NUMBER (PIN):** N.A.

**H.M.I.S.**

**PRODUCT NUMBER:** NC

**PRODUCT USE:** All purpose neutral cleaner.

**WHMIS CLASS:** D2B

**DOT HAZARD CLASS:**

Non-Hazardous

**DOT SHIPPING NAME:**

N.A.

**COMPANY:**

TOWER INDUSTRIES, INC.  
3004 SOUTH 96TH STREET  
LAKEWOOD, WA 98499

<b>1</b>	HEALTH	<b>HAZARD RATING</b> 4=Extreme 3=High 2=Moderate 1=Slight 0=Insignificant
<b>0</b>	FIRE	
<b>0</b>	REACTIVITY	
<b>B</b>	MAXIMUM PERSONAL PROTECTION	

**EMERGENCY PHONE:** 253-581-2323

A=Goggles, B=Goggles & Gloves, C=Goggles, Gloves & Apron

ABBREVIATION KEY: N.A. = Not Applicable, N.E. = Not Established, N.D. = Not Determined

## SECTION 2 - HAZARDOUS INGREDIENTS INFORMATION

<u>HAZARDOUS CHEMICAL IDENTITY</u>	<u>CAS NO.</u>	<u>%</u>	<u>PEL</u>	<u>TLV</u>	<u>LD50</u>	<u>LC50</u>
Water	7732-18-5	60-100	N.E.	N.E.	N.D.	N.D.
Quaternary ammonium chloride	5197-80-8	1-5	N.E.	N.E.	250mg/kg	86mg/1 hr
Nonionic surfactants	N.A.	1-5	N.E.	N.E.	N.D.	N.D.

This mixture does not contain components which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372.

## SECTION 3 - PHYSICAL DATA

<b>Color:</b> Blue	<b>Boiling Point:</b> 212°F 100°C	<b>Vapor Pressure:</b> <30 mm of Hg	<b>pH:</b> 6.5 - 7.5
<b>Odor:</b> Varied	<b>Freezing Point:</b> 32°F 0°C	<b>Vapor Density (Air=1):</b> <1	<b>1% pH:</b> 7.2
<b>Physical State:</b> Liquid	<b>Water/Oil Distribution:</b> N.E.	<b>Evaporation Rate (Water=1):</b> N.E.	<b>Specific Gravity:</b> 0.99 gm/ml
<b>Solubility in Water:</b> Complete	<b>Odor Threshold:</b> N.E.	<b>VOC Content:</b> 0.0%	<b>Weight per Gallon:</b> 8.30 lbs./gal.

## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point and Method:</b> N.A.	<b>Autoignition Temperature:</b> N.A.	<b>Extinguishing Media:</b> Use dry chemical powder.
<b>Flammable Limits:</b> N.A.	<b>LEL:</b> N.A. <b>UEL:</b> N.A.	<b>Special Fire Fighting Procedures:</b> None.
<b>Hazardous Combustion Products:</b> N.A.		<b>Unusual Fire and Explosion Hazards:</b> None.

## SECTION 5 - REACTIVITY DATA

<b>Chemical Stability:</b> Stable.	<b>Hazardous Decomposition of By-Products:</b> None known.
<b>Incompatibility (Materials to Avoid):</b> None known.	<b>Hazardous Polymerization:</b> Will not occur.

## SECTION 6 - TOXICOLOGICAL PROPERTIES

<b>Routes of Entry:</b> Ingestion.	<b>Toxicologically Synergistic Products:</b> None known.
<b>Sensitization:</b> No.	<b>Medical Conditions Aggravated by Exposure:</b> None known.

### EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):

**Eyes:** Direct contact may cause irritation.

**Skin:** Prolonged or repeated contact may cause irritation.

**Ingestion:** May cause gastrointestinal irritation, nausea, diarrhea.

**Inhalation:** Non-hazardous in the case of inhalation.

**Carcinogenicity:** NO carcinogenic effect.

**Mutagenicity:** NO mutagenic effect.

**Teratogenicity:** NO teratogenic effect.

**Reproductive Toxicity:** NO reproductive toxicity effect.

## SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

**Respiratory Protection:** None normally required with adequate ventilation.  
**Protective Gloves:** Rubber to protect sensitive skin.  
**Protective Clothing and Equipment:** As needed to prevent wetting of clothing.  
**Storage Requirements:** Store in cool, dry area. Follow good housekeeping practices.

**Ventilation:** **Local Exhaust:** N.A. **Mechanical:** N.A.  
**Eye Protection:** As required to prevent splashing into eyes.  
**Work and Hygienic Practices:** Wash thoroughly after handling.  
**Other Requirements:** Keep out of the reach of children.

**Steps To Be Taken If Material Is Spilled Or Released:** Collect and reuse if possible. Flush to sewer with large quantities of water if permitted by regulatory authorities or absorb on inert material (sand, clay, etc.) and place into container for proper disposal. Do not allow runoff into public waterways.

**Waste Disposal:** Dispose of as permitted by all federal, provincial, state and local regulatory authorities.

## SECTION 8 - EMERGENCY FIRST AID PROCEDURES

### FIRST AID - NOTES TO PHYSICIAN:

**Eyes:** Flush with large amount of water for 15 minutes holding eyelids open.

**Skin:** Wash with mild soap and water.

**Ingestion:** Give 2-3 large glasses of water. Seek medical attention.

**Inhalation:** Non-hazardous in the case of inhalation.

**Note to Physician:** No additional information.

## SECTION 9 - PREPARATION INFORMATION

**Prepared By:** Regulatory Affairs Department

**Phone:** 253-581-2323

**Date of Preparation:** November, 1998