

**MT. HOOD CHEMICAL CORPORATION (MT. HOOD SOLUTIONS)**

14546 N. Lombard

Portland, Oregon 97203

Emergency Phone: 503-227-3505

N/A = NOT APPLICABLE

NA = NOT AVAILABLE

**MATERIAL SAFETY DATA SHEET****PRODUCT NAME: NOW/PRO QUAT 100**

Date Printed: 5/8/2012

**PRODUCT NAME: NOW/PRO QUAT 100**

PREPARED BY: Mt. Hood Solutions

DATE: December 18, 2006

CHEMICAL FAMILY: Quaternary Ammonium Compound

FORMULA: Proprietary

**HAZARDOUS INGREDIENTS (CAS #):**

HAZARDOUS INGREDIENTS (CAS #):	%	EXPOSURE LIMITS, ppm:	ACGIH TLV	OSHA-PEL
Octyl decyl dimethyl ammonium chloride (32426-11-2)	3%		N/A	N/A
Didecyl dimethyl ammonium chloride (7173-51-5)	1.5%		N/A	N/A
Diocetyl dimethyl ammonium chloride (5538-94-3)	1.5%		N/A	N/A
Alkyl dimethyl benzyl ammonium chloride (68424-85-1)	4%		N/A	N/A
Ethanol (64-17-5)	0 – 3%	1000 ppm		1000 ppm

CARCINOGENIC INGREDIENTS: Contains no known or suspected carcinogens.

SARA TITLE III, SECTION 313 REPORTABLE INGREDIENTS: None

**PHYSICAL PROPERTIES:**

Boiling Point: Not determined

Solubility in Water: Soluble

Specific Gravity - Liquid (H<sub>2</sub>O = 1): 0.99 – 1.01

Odor and Appearance: Straw yellow liquid; mild odor

pH: 6-9

% Volatiles: 90%

% Volatile Organic Content (VOC): Less than 2%

Vapor Pressure: N/A

Vapor Density (Air = 1): N/A

**FIRE AND EXPLOSION DATA:**

Flash Point: None

Extinguishing Media: Water, CO<sub>2</sub>, foam, dry chemical

Special Firefighting Procedures: None

Flammability Limits: N/A

Unusual Hazards: None

**HEALTH EFFECTS:**

Effects of overexposure: May cause eye burns or skin irritation if not flushed immediately. Ingestion of large quantities may be fatal. Ingestion may cause irritation or burns to mouth, throat, and esophagus. Inhalation of mist or spray may cause irritation to respiratory tract.

Chronic effects of overexposure: None known or expected.

Medical conditions that may be aggravated by exposure: None known or expected.

Primary routes of entry: Skin contact, inhalation of mist, eye contact, ingestion

**EMERGENCY AND FIRST AID PROCEDURES:**

Eye Contact: Flush thoroughly with plenty of water for at least 15 minutes. Contact a physician.

Skin Contact: Flush thoroughly with plenty of water for at least 15 minutes. If irritation persists, see a physician.

Ingestion: Drink plenty of water and call a physician immediately. **DO NOT INDUCE VOMITING UNLESS INSTRUCTED BY A PHYSICIAN.**

Inhalation of mist or vapor: Move to fresh air if mist or spray causes discomfort. If discomfort persists, see a physician.

**REACTIVITY DATA:**

Stability: Stable

Incompatibility: strong oxidizers or reducing agents

Hazardous Decomposition Products: Hydrogen chloride fumes, oxides of carbon and nitrogen

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Mixing with oxidizers or reducing agents

**SPILL OR LEAKAGE PROCEDURES:**

Steps to be taken if material is released or spilled: Dilute with water and mop up, absorb on absorbent, or flush to sewer with plenty of water.

Scrub floor well to remove residue to prevent slipperiness.

Waste disposal method: According to local, state, or federal ordinances.

**SPECIAL PROTECTION INFORMATION:**

Ventilation: No special ventilation required in normal use

Respiration Protection: None required under normal use. For mist or vapor wear NIOSH approved respirator

Eye Protection: Safety goggles recommended when handling the concentrate.

Protective Gloves: Impervious gloves of rubber or neoprene recommended when handling the concentrate.

Other Protective Equipment: None required in normal use.

**SPECIAL PRECAUTIONS:**

Precautions to be taken in handling and storage: Store in closed container in a dry place. Wash thoroughly after handling.

**KEEP OUT OF REACH OF CHILDREN.**

Other precautions: None

**HAZARD RATING:**

Health:	3	0 = Minimal	3 = Serious
Fire:	0	1 = Slight	4 = Severe
Reactivity:	0	2 = Moderate	

P R O D U C T I N F O R M A T I O N

**NOW/PRO QUAT 100 – DISINFECTANT & SANITIZER**  
**EPA Reg# 10324-117-5891**

**GENERAL DESCRIPTION:**

NOW/PRO QUAT 100 is a sanitizer and disinfectant for use in schools, restaurants, hospitals, motels, nursing homes, and food processing plants. NOW/PRO QUAT 100 sanitizes dishes, equipment, counters, utensils, walls, and other hard surfaces at 150-400 ppm active quaternary. When used at disinfection concentrations, NOW/PRO QUAT 100 kills the Human immunodeficiency Virus Type I (HIV-1) (AIDS virus) on precleaned objects and environmental surfaces previously soiled with blood or body fluids. USDA authorized for use in federally inspected food processing operations.

**PROPERTIES:**            Form:            Clear, yellow liquid  
                                  Odor:            Mild, pleasant

**USE DIRECTIONS:**

See label for proper use instructions

**SANITIZING** - For sanitizing pre-cleaned food contact surfaces, use 0.75 – 2 oz. NOW /PRO QUAT 100 per 4 gallons of water (150 – 400 ppm active quaternary). May be used to sanitize dishes or utensils in a three-sink dishwashing operation at this concentration. Do Not Rinse.

**DISINFECTION** - To disinfect pre-cleaned, inanimate, hard nonporous surfaces apply this product at 3 ounces per 5 gallons of water with a mop, cloth, or mechanical spray devise so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes and then remove excess liquid. For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

**BACTERICIDAL ACTIVITY** - *Burkholderia cepacia*, *Campylobacter jejuni* *Clostridium perfringens-vegetative*, *Corynebacterium ammoniagenes*, *Escherichia coli 0157:H7*, *Enterococcus faecium* (Vancomycin Resistant) (VRE), *Enterococcus faecium* (Ciprofloxacin Resistant), *Enterococcus faecium* (Penicillin-G Resistant), *Klebsiella pneumoniae*, *Listeria monocytogenes*, *Pseudomonas aeruginosa*, *Rhodococcus equi*, *Salmonella enterica*, *Salmonella enterica serovar agona*, *Salmonella enterica serovar anatum*, *Salmonella enterica serovar Newport*, *Salmonella enterica serovar typhimurium*, *Salmonella enterica serovar infantis*, *Salmonella typhi*, *Shigella sonnei*, Community Acquired Methicillin Resistant *Staphylococcus aureus* (CA MRSA), *Staphylococcus aureus* (Methicillin Resistant), *Staphylococcus aureus*, *Streptococcus equi*

**FUNGICIDAL ACTIVITY** - *Aspergillus niger*

**\*VIRUCIDAL ACTIVITY** - *Avian Influenza A (H5N1) virus*, *Avian influenza/Turkey/Wisconsin virus*, *Hepatitis B Virus*, *Hepatitis C Virus*, *Herpes Simplex Type1 virus*, *Herpes Simplex Type 2 virus*, *Human Coronavirus*, *Influenza A2/Hong Kong virus*, *Influenza A2/J305 virus*, *Vaccinia virus*, *HIV-1*

**CAUTION:** Can cause skin or eye burns or irritation. For contact with skin or eyes, flush thoroughly with plenty of water for at least 15 minutes. For eyes, get prompt medical attention. If ingested, give large quantities of water. Call a physician. Consult the Material Safety Data Sheet for additional precautions.

**KEEP OUT OF REACH OF CHILDREN.**

**PACKAGING:**            4X1 gallon/case  
                                  2x1 gallon/case  
                                  30 gallon drum  
                                  55 gallon drum

02/10