



Specialty Adhesives and Coatings

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Manufactured by:

Valpac, Inc.
Construction Products Division
1400 Industrial Park Road
Federalsburg, MD 21632

Non-Emergency: (410) 754-7390

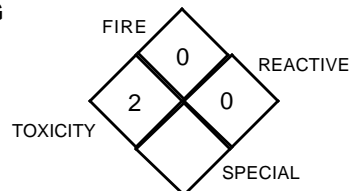
Product Name: **Valprene VI 400**
Formula: **EPA Reg. No. 10324-113-82770**
Chemical Family: Quaternary Ammonium Compound
Chemical Name: See Section 2
Product Use: Disinfecting Liquid Cleaner

**CHEMICAL EMERGENCY NUMBER
INFOTRAC**

1-800-535-5053

HAZARD RATING

4-EXTREME
3-HIGH
2-MODERATE
1-SLIGHT
0-INSIGNIFICANT



SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS:

INGREDIENTS:

HAZARDOUS INGREDIENTS

	Approximate Weight %	TWA/TLV
Alkyl (C12-16) dimethyl benzyl ammonium chloride (C.A.S. # 68424-85-1)	2.170%	None Established
Octyl decyl dimethyl ammonium chloride (C.A.S. # 32426-11-2)	1.627%	None Established
Diocetyl dimethyl ammonium chloride (C.A.S. # 5538-94-3)	0.814%	None Established
Didecyl dimethyl ammonium chloride (C.A.S. # 7173-51-5)	0.814%	None Established
Ethylenediaminetetraacetic acid, tetrasodium salt (C.A.S. # 64-02-8)	2.50%	None Established
Citric Acid (C.A.S. # 77-92-9)	0.325%	None Established
Nonionic Surfactant (C.A.S. # 34398-01-1)	2.50%	None Established
Water (C.A.S. #: 7732-18-5)	To QS%	None Established
Blue Dye	Trace	

SECTION 3: HEALTH HAZARD IDENTIFICATION DATA:

ROUTES OF ENTRY: Eyes; Yes Skin; Yes Inhalation; Yes Ingestion; Yes

EFFECTS OF OVEREXPOSURE:

EYE CONTACT: Corrosive. Direct contact can produce severe or irreversible eye damage.

SKIN CONTACT: Corrosive. Direct or prolonged contact can produce severe irritation or burns to skin.

INHALATION: Solvent vapors or mist of product can produce irritation of mucous membranes. Exposure to concentrations greater than 1000 ppm cause headache, irritation of the eyes, nose and throat, and, if prolonged, drowsiness and lassitude, loss of appetite and ability to concentrate.

INGESTION: Harmful if Swallowed. Immediate burning pain in the mouth, throat, abdomen and severe swelling of larynx, skeletal muscle paralysis affecting the ability to breath, circulatory shock, convulsions.

CARCINOGENICITY: NTP; No IARC; No OSHA; No

OVEREXPOSURE MAY AGGREGATE EXISTING CONDITIONS: No effects indicated.

SECTION 4: EMERGENCY & FIRST AID PROCEDURES:

IF IN EYES: Hold eye open and rinse slowly and gently with plenty of water for 15 - 20 minutes. Remove contacts, if present, after the first 5 minutes, the continue rinsing eye. Contact a poison control center or doctor immediately for treatment advice.

SECTION 4: EMERGENCY & FIRST AID PROCEDURES (Continued):

SKIN: Remove contaminated clothing and shoes. Rinse skin immediately with large amounts of water 15 - 20 minutes. Call a poison control center or doctor for treatment advice. Wash contaminated clothing and decontaminate shoes before re-use.

INGESTION: Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. **DO NOT INDUCE VOMITING** unless told to do so by a poison control center or doctor. Get immediate medical attention. Have physician determine if patient's condition allows for induction of vomiting or evacuation of the stomach. (See Note to Physician, section 13) Never give anything by mouth to a convulsing or unconscious person.

INHALATION: Remove from area to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.

SECTION 5: FIRE FIGHTING MEASURES:

FLASH POINT: <200° F **FLAMMABILITY:** LEL: N/A, UEL: N/A

EXTINGUISHING MEDIA: Water Fog, Foam, CO₂ , Dry Chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Must wear NIOSH/MSHA approved self contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Products of combustion are toxic.

SECTION 6: ACCIDENTAL RELEASE MEASURES:**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Danger! Corrosive material. Floors may become slippery. Wear appropriate protective gear and respiratory protection where mists and vapors of unknown concentrations may be generated (self-contained breathing apparatus preferred).

Dike and contain spill with inert material (sand, earth, etc.), and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

WASTE DISPOSAL METHODS: Dispose of in compliance with all Federal, state and local laws and regulations. Incineration is the preferred method.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary, landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SECTION 7: HANDLING AND STORAGE:**PRECAUTIONS FOR STORAGE AND HANDLING :**

Maximum storage temperature: 140° F. Keep containers closed until used. Do not contaminate drinking water, food or feed by storage or disposal.

Keep lids tightly closed when not in use. Never move drums with open bungs. Keep properly labeled.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION INFORMATION:

VENTILATION TYPE: In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.

RESPIRATORY PROTECTION: In processes where mists or vapors may be generated, a NIOSH/MSHA jointly approved respirator is advised the absence of proper environmental controls.

PROTECTIVE GLOVES: Rubber or neoprene, to prevent skin contact.

EYE PROTECTION: Wear Chemical Splash Goggles where there is a potential for eye contact. Use safety glasses with side shields under normal use conditions.

OTHER PROTECTIVE EQUIPMENT: Eye Wash; Safety Shower; protective clothing (long sleeves, coveralls or other, as appropriate), to prevent skin contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Clear blue liquid
SPECIFIC GRAVITY: (Water=1) 0.9994 @ 25° C
SOLUBILITY IN WATER: Complete
PERCENT VOLATILE BY WEIGHT: ND
VAPOR DENSITY: (Air = 1) ND
EVAPORATION RATE: (Butyl Acetate=1) Not Known

ODOR: Pleasant
pH: 6.0 - 9.0
VISCOSITY @ 25° C: ND
BOILING POINT: ND

SECTION 10: STABILITY & REACTIVITY DATA:

INCOMPATIBLE MATERIALS: Strong oxidizers or reducing agents.
STABILITY: Stable.
CONDITIONS TO AVOID: None known.
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, amines and other organic materials, and oxides of carbon and nitrogen.

SECTION 11: TOXICOLOGICAL INFORMATION:

Acute Oral LD₅₀: Male and female rats combined 0.809g/kg body weight
Acute Dermal: ND
Primary Skin: Corrosive - Rabbits Tox. Category I for dermal effects
Primary Eye: Corrosive - Rabbits Tox. Category I

SECTION 12: TRANSPORT INFORMATION:

INTERNATIONAL: N/A
US TRANSPORTATION REGULATIONS:
 DOT Classification: Corrosive
 DOT Proper Shipping Name: Disinfectants, liquid, corrosive, N.O.S.
 UN1903, 8
 Packing Group: III
CANADIAN TRANSPORTATION OF DANGEROUS GOODS:
 N/A

13. MISCELLANEOUS AND REGULATORY INFORMATION:

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, as well as oxygen and measures to support breathing manually or mechanically may be needed. Persistent convulsions may be controlled by the cautious intravenous injection of a short acting barbiturate drug.

CHEMICALS LISTED AS CARCINOGEN BY:

National Toxicology Program: No I.A.R.C.: No OSHA: No

FEDERAL REGULATIONS:

This is an EPA FIFRA registered pesticide (EPA Registration No. 10324-113-82770). This material can only be used in the EPA registered application (s) noted on the product label.

13. MISCELLANEOUS AND REGULATORY INFORMATION (Continued):

TOXIC SUBSTANCE CONTROL ACT (TSCA INVENTORY) STATUS:

Found on the U.S. EPA TSCA inventory.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act of 1980)

requires notification of the National Response Center (Tel. 800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantity (RQs) listed in 40 CFR 302.4:

CHEMICAL NAME: None Known

SARA Title III, sections 302/304 (Superfund Amendments and Reauthorizations Act of 1986):

This act requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQs) and release Reportable Quantities (RQs) listed for the components in 40 CFR 355:

CHEMICAL NAME: None known.

SARA Title III, sections 311/312: This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard classes* listed in 40 CFR 370:

<u>CHEMICAL NAME:</u>	<u>C.A.S. Number</u>	<u>Hazard Category</u>
N-Alkyl (C12-16)-N,N-dimethyl-N-benzylammonium Chloride	68424-85-1	A
Octyl decyl dimethyl ammonium chloride	32426-11-2	A
Dioctyl dimethyl ammonium chloride	5538-94-3	A
Didecyl dimethyl ammonium chloride	7173-51-5	A

*The five hazard categories are as follows:

F = Fire Hazard S = Sudden Release of Pressure R = Reactive A = Immediate (Acute) Health Hazard
 Hazard C = Delayed (Chronic) Health Hazard

SARA Title III, sections 313: This act requires submission of annual reports of the releases of the following components of this material if the threshold reporting quantities as listed in 40 CFR 372, are met or exceeded:

CHEMICAL NAME: None known.

STATE RIGHT-TO-KNOW REGULATIONS:

MASSACHUSETTS Right-to-Know: The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels:

<u>CHEMICAL NAME:</u>	<u>C.A.S. Number</u>	<u>Typical Max. Concentration</u>
Benzene	71-43-2	3 ppm
Benzyl Chloride	100-44-7	5 ppm

NEW JERSEY Right-to-Know: The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels:

<u>CHEMICAL NAME:</u>	<u>C.A.S. Number</u>	<u>Typical Max. Concentration</u>
N-Alkyl (C12-16)-N,N-dimethyl-N-benzylammonium Chloride	68424-85-1	2.170%

PENNSYLVANIA Right-to-Know: The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels:

<u>CHEMICAL NAME:</u>	<u>C.A.S. Number</u>	<u>Typical Max. Concentration</u>
None Known		

PREPARED BY:

DATE: 3/18/2005