



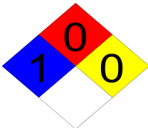

TECHNICAL ASSISTANCE CORPORATION

Safety Data Sheet  
Revision Date: 2/06/2017

## SECTION 1: Identification of the substance/mixture and of the company/undertaking




- **Product Name:** VMC Quick Clean
- **Product Code:** VMCQC
- **Product Use:** Basic Cleaner
- **Manufacturer:** Mar-Tek Industries
- **Address:** 301 Industrial Drive, Forney Texas 75126
- **Phone:** (214) 350-9401
- **Emergency Telephone No.:** ChemTel Inc. (800) 255-3924 and +1(813) 248-0585

## SECTION 2: Hazards Identification

- **Classification of substance of mixtures:**  
This product is not classified as hazardous according to the Globally Harmonized System (GHS)
  - **Label elements** Not regulated
  - **GHS label elements** Not regulated
  - **Signal Word** Not regulated
  - **Hazard-determining components of labeling** None
  - **Hazard statements** Not regulated
  - **Hazard description** Not regulated
  - **WHMIS symbols:** Not hazardous under WHMIS
  - **Classification system:**
    - NFPA rating (scale 0-4)
    - HMIS rating (scale 0-4)
- 1 Slight hazard   2 Moderate hazard   3 Serious hazard   4 Severe hazard
- 
- 
- PROTECTIVE EQUIPMENT
- **Results of PBT and vPvB assessment**
    - PBT Not applicable
    - vPvB Not applicable

## SECTION 3: Composition/Information on Ingredients

- **Dangerous Components:**

CAS: 111-76-2 EINECS: 203-905-0 INDEX NUMBER: 603-014-00-1	2-butoxyethanol  Xn R20/21/22;  Xi R36/38  Acute Tox. 4, H302; Acute Tox. 4 H312; Acute Tox. 4 H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	<1,0%
---	--	-------

Additional information: For the wording of the listed risk phrases refer to section 16.

#### SECTION 4: First aid measure

- **Descriptions of first aid measures:**
- **General Information:** Take affected persons out into the fresh air.  
**If on eyes:** Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
**If on skin (or hair):** Immediately rinse with water. If skin irritation continues, consult a doctor.  
**If swallowed:** Rinse out mouth and drink plenty of water. Do not induce vomiting. Immediately call for help.  
**If inhaled:** Supply fresh air; consult doctor in case of complaint.
- **Most important symptoms and effects, both acute and delayed:**  
Slight irritant effect on skin and mucous membrane.  
Slight irritant on eye.  
Gastric and intestinal disorders.  
Nausea  
Coughing  
**Hazards:** No further relevant information available
- **Indication of any immediate medical attention and special treatment needed:**  
No further relevant information available

#### SECTION 5: Fire-fighting measures

- **Extinguishing media**  
**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.  
**For safety reasons unsuitable extinguishing agents:** None
- **Special hazards arising from the substance or mixture:** Formation of toxic gases is possible during heating or in case of fire
- **Advice for firefighters**  
**Protective equipment:** Wear self-contained respiratory protective device. Wear fully protective suit.

#### SECTION 6: Accidental release measures

- **Personal precaution, protective equipment and emergency procedures**  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Ensure adequate ventilation  
Wear protective equipment. Keep unprotected persons away.  
Particular danger of slipping on leaked/spilled products.
- **Environmental precautions:** Do not allow to enter sewers/surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Pick up mechanically.  
Dispose contaminated material as waste according to item 13.  
Clean the affected area carefully, suitable cleaners are: Warm water.
- **Reference to other sections:**  
See section 7 for information on safe handling  
See section 8 for information on personal protection equipment.  
See section 13 for disposal information.

#### SECTION 7: Handling and storage

- **Precautions for safe handling:**  
Use only in a well ventilated areas,  
Avoid splashes or spray in enclosed areas.
- **Information about protection against explosions and fires:** No special measures required.
- **Condition for safe storage, including any incompatibilities**

**Storage requirements to be met by storerooms and receptacles:** Avoid storage near extreme heat, ignition or open flame.

**Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidizing agent.

- **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Protect from frost.

- **Specific end use (s):** No further relevant information available.

#### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical system:** No further data; see item 7.

- **Control parameters:**

Component limit values that require monitoring at the workplace:	
III-76-22 -butoxyethanol	
IOEL (EU)	Short -term value 246 mg/m <sup>3</sup> , 50 ppm
PEL (USA)	Long- term value: 98 mg/m <sup>3</sup> , 50 ppm skin
REL (USA)	Long- term value: 24 mg/m <sup>3</sup> , 5ppm Skin
TLV (USA)	Long -term value: 97 mg/m <sup>3</sup> , 20 ppm BEI
EL (Canada)	Long-term value: 20 ppm
EV (Canada)	Long-term value: 20 ppm skin
BEI (USA) 200 mg/g creatinine	
Medium-Urine	
Time: end of shift	
Parameter: Butoxyacetic acid with hydrolysis	

- **Additional information:** The lists that were valid during the creation we re used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuff, beverages and feed.

The usual precautionary measures for handling chemicals should be followed:

Wash hands before breaks and at the end of work.

Do not inhale gases/fumes/aerosols.

Avoid close or long-term contact with the skin.

Avoid contact with the eyes.

- **Breathing equipment:**

Not required under normal condition of use.

Use suitable respiratory protective device in case of insufficient ventilation.

For spills, respiratory protection may be advisable.

- **Protection of hands:**

Not required under normal conditions of use.

Wear protective globes to handle contents of damaged or leaking units.

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection**



- **Body protection:**  
Not required under normal conditions of use.  
Protection may be required for spills
- **Limitation and supervision of exposure into the environment:** No special requirements.

#### SECTION 9: Physical and chemical properties

- Information on basic physical and chemical properties
- General information
- Appearance
 

Form:	Liquid
Color:	Clear
- Odor: Like aromatic solvents
- Odor threshold: Not determined
- pH value at 20 °C (68 °F): 11,0
- Change in condition
 

Melting point/Melting range:	Undetermined
Boiling point/Boiling range:	Undetermined
- Flash point: Not applicable
- Flammability (solid, gaseous): Not applicable
- Auto-ignition temperature: Not determined
- Self-igniting: Product is not self igniting
- Danger of explosion: Product does not present an explosion hazard.
- Explosion limits:
 

Lower:	Not determined
Upper:	Not determined
- Vapor pressure: Not determined
- Density at 20 °C (68 °F): 1,03g/cm<sup>3</sup>
- Relative density: Not determined
- Vapour density: Not determined
- Evaporation rate: Not determined
- Solubility in/
 

Miscibility with water:	Soluble
-------------------------	---------
- Partition coefficient (n-octanol/water): Not determined
- Viscosity:
 

Dynamic:	Not determined
Kinematic:	Not determined
- Other information: No further relevant information available

#### SECTION 10: Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition/conditions to be avoided:**  
No decomposition if used and stored according to specifications.  
Stable at environment temperature.
- **Possibility of hazardous reactions:**
- **Condition to avoid:** Store away from oxidizing agents.
- **Incompatible materials:** No further relevant information.
- **Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Phosphorus Oxide

## SECTION II: Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**  
**Primary irritant effect:**  
On skin: Slight irritant effect on skin and mucous membranes  
On the eye: Slight irritant effect on eyes.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **Carcinogenic categories:**  
NTP (National Toxicology Program): None of the ingredients is listed  
OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed
- **Repeated Dose Toxicity:** Repeated exposure may cause skin dryness and cracking.

## SECTION I2: Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Ecotoxical effect:**  
**Remarks:** Due to mechanical actions of the products( e.g. agglutinations) damages may occur)
- **Additional ecological information:**
- **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment:**  
PBT: Not applicable  
vPvB: Not applicable
- **Other adverse effects:** No further relevant information available.

## SECTION I3: Disposal consideration

- **Waste treatment methods:**  
**Recommendation:**  
Smaller quantities can be disposed of with household waste.  
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- **Uncleaned packaging:**  
**Recommendation:** Disposal must be made according to official regulations.  
**Recommendation cleansing agent:** Water, if necessary with cleansing agent.

## SECTION I4: Transportation information

- **UN-Number:**  
DOT, ADR, ADN, IMDG, IATA Not regulated
- **UN proper shipping name:**  
DOT, ADR, ADN, IMDG, IATA Not regulated
- **Transport hazard classes:**  
DOT, ADR, ADN, IMDG, IATA Not regulated
- **Packaging group**

- DOT, ADR, ADN, IMDG, IATA Not regulated
- Environmental hazards:
  - Marine pollutant: No
- Special precautions for the user: Not applicable
- Transport in bulk according to Annex II of MARPOL<sub>73/78</sub> and the IBC code: Not applicable
- UN "Model Regulation":

#### SECTION 15: Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture:
- SARA
  - Section 355 (extremely hazardous substances): None of the ingredients listed.
  - Section 313 (Specific toxic chemical listings): None of the ingredients is listed.
- TSCA (Toxic Substances Control Act): All ingredients are listed.
- Proposition 65(California):
  - Chemical known to cause cancer: None of the ingredients is listed.
  - Chemical known to cause reproductive toxicity for females: None of the ingredients is listed.
  - Chemical known to cause reproductive toxicity for males: None of the ingredients is listed.
  - Chemical known to cause developmental toxicity: None of the ingredients is listed.
- Carcinogenic categories:
  - EPA (Environmental Protection Agency): III-76-2 2 butoxyethanol
  - IARC (International Agency for Research on Cancer): III-76-2 2 butoxyethanol
  - TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.
- State Right to Know Listing: None of the ingredients is listed.
- Canadian Substance Listings:
  - Canadian Ingredient Disclosure List (limit 0.1%): None of the ingredients is listed
  - Canadian Ingredient Disclosure List (limit 1%)
    - III-76-2 2 butoxyethanol
- Philippines: This product, or the components, is listed or exempt from listing on the Philippines Inventory of Chemicals and Chemical Substances (PICCS)

#### SECTION 16: Other information

Revision Date: 2/06/2017

Revision was made in sections

Abbreviation and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEIL	Ceiling
DOT	Department of Transportation
GHS	Globally Harmonized System
HCS	Hazards Communication Standards
HMIS	Hazardous Materials Identification System
IDLH	Immediate Dangerous to Life or Health
NA	Not Applicable
NE	Not Established
NIOSH	National Institute of Occupational Safety and Health
NFPA	National Fire Protection Association
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
REL	Recommended Exposure Limit
SARA	Superfund amendments and Reauthorization Act
STEL	Short Term Limit
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Material Information System

Disclaimer: Mar-Tek industries provide the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This documentation is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

-----END OF SDS-----



TECHNICAL ASSISTANCE CORPORATION