



TECHNICAL ASSISTANCE CORPORATION

SAFETY DATA SHEET
Reviewed on March 3, 2015

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

Product Name:	VMC 5x EXTRA
Product Code:	None
Product Use:	Marble polishing powder
Manufacturer	Address: Mar-Tek Industries 14275 Midway Road, Suite 135 Addison, Texas 75001 USA (469) 350-9401
Phone:	(800) 255-3924 and +1(813) 248-0573
Emergency Telephone No.:	
Chem. Tel Inc.	

SECTION 2: Hazards Identification

Classification of the substance or mixture:

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard Classifications:	
Acute toxicity Oral	Category 4
Acute toxicity Dermal	Category 4
Eye damage /irritation	Category 1

Signal word: DANGER!

Pictogram



GHS Label elements, including precautionary and hazard statements statements:

Hazard determining components of labeling: (Trade secrets)

Hazard statements

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

Precautionary statements

- Prevention: P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink and smoke when using this product.
- P280 Wear protective clothing/eye protection
- Response: P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P330 Rinse mouth
- P302+352 IF ON SKIN: Wash with plenty of soap and water.
- P312 Call POISON CENTER or doctor/physician if you feel unwell.
- P322 Specific measures (refer section 4)
- P363 Wash contaminated clothing before reuse.
- P305+351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
- P363 Wash contaminated clothing before reuse.
- P310 Call POISON CENTER or doctor/physician.
- Disposal: P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Potential health effect

- Eyes: Cause serious eye damage, May injure eye tissue if not removed promptly.
- Inhalation: Mist irritating to respiratory tract.
- Skin: Harmful if absorbed through skin. Causes skin burns.
- Ingestion: Harmful if swallowed.

NFPA Ratings (Scales 0-4)		HMIS-Ratings (Scale 0-4)	
Health	2	Health	2
Flammability	0	Flammability	0
Reactivity	0	Reactivity	0

Other hazards: None
 Result of PBT and vPvB assessment: No data available

SECTION 3: Composition/Information on Ingredients

Chemical characterization: MIXTURE

Description: Mixture of the substances listed below with non-hazardous additions.

Chemical Name	Common Names	CAS No.	Content
Trade Secret	Trade Secret	Trade Secret	70-80%
Trade Secret	Trade Secret	Trade Secret	5-10%
Trade Secret	Trade Secret	Trade Secret	5-10%

SECTION 4: First aid measure

Description of first aid measures

General information: Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore-medical observation for at least 48 hours after the accident. Provide oxygen treatment if affected person has difficulty breathing.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

In case contact on skin (or hair): Remove/rake off immediately all contaminated clothing. Rinse skin with water/shower.

In case contact in eye: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

If swallowed: DO NOT induce vomiting. Call POISON CENTER or doctor/physician.

Most important symptoms and effect, both acute and delayed: Headache, strong irritant with the danger of severe eye injury, nausea, coughing, cramp, gastric or intestinal disorders and difficulty of breathing.

Danger: Danger of disturbed cardiac rhythm convulsion, severe eye injury and danger of circulatory collapse.

Indication of any immediate medical attention and special treatment needed: Contains oxalates. Consult literature for specific antidote. Monitor circulation, possible shock treatment, If necessary oxygen respiration treatment. Medical supervision for at least 48 hours.

SECTION 5: Fire-fighting measures

General information: As in any fire, wear a self-contained breathing apparatus in pressure demand MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing media

Suitable extinguishing media: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media: None

Special protective measure: Wear self-contained breathing apparatus for firefighting if necessary. And wear fully protective suit.

Further information: No further relevant information available.

Specific hazard arising from the substance or mixtures: Carbon monoxide and carbon dioxide, potassium oxide.

Advice for firefighters: Do not inhale gases in case of fire or combustion.

Additional information: Keep receptacles cool with water spray.

SECTION 6: Accidental release measures

General information: *Use proper personal protective equipment as indicated in Section 8.*

Personal precaution, protective equipment and emergency procedures:

Use respiratory protective device against the effects of fumes/dust/aerosol.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Avoid formation of dust.

Environmental precautions: Prevent spillage from entering drains, sewers, surface or ground water. Any release to the environment may be subject to federal/national or local reporting requirements. Inform authority in case of seepage into watercourse or sewage system.

Methods and materials for containment and cleaning up:

Pick up mechanically.

Send recovery or disposal in suitable receptacles.

Clean affected area carefully.

For fine dust, use vacuum cleaner.

SECTION 7: Handling and storage

Precaution for safe handling: Prevent formation of dust. Any deposit of dust, which cannot be avoided, must be regularly removed. Ensure good ventilation/ exhaustion at the workplace.

Information about protection against explosions and fires: Dust can combine with air to form an explosive mixture.

Conditions for safe storage, including any incompatibilities: Avoid storage near to extreme heat, ignition sources or open flame. Protect from humidity and water.

Information about storage in one common storage facility: Store away from foodstuff. Do not store together with alkalis (Caustic solutions). Store away from oxidizing agents.

Further information about storage condition: Store in cool, dry conditions in well-sealed receptacles.

SECTION 8: Exposure controls/personal protection

Engineering controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Control parameters

Component with limit values that require monitoring at the workplace:

First component: Trade Secret

PEL (USA) Long-term value: 1mg/m³

REL (USA) Short-term value: 2mg/m³

Long-term value: 1mg/m³

Second component: Trade Secret

PEL (USA) Long-term value: 15*; 15**mg/m³

Total dust, ** Respiration fraction

REL (USA) Long-term value: 10*5**mg/m³

Total dust ** Respiration fraction

TLV (USA) Long-term value: 1*mg/m³

As Al-*as respiration fraction

Third component: Trade Secret: TLV not established

Personal protective equipment

General hygiene consideration:

Use proper industrial hygiene practices to minimize hazardous exposure.

Wash hands before and after breaks

Avoid contact with eyes and skin. Do not inhale dust/smoke and mist.

Respiratory protection:

Not required under normal conditions of use.

Filter P2, incase off dust-producing handlings.

For spills, respiratory protection may be advisable.

Protection of hands:

Protective gloves

Material of gloves:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

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.

Thin, disposable gloves in PVC or PE.

Penetration time of glove material:

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

Eye protection:

Contact lenses should not be worn.

Body protection:

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Limitation and supervision of exposure into the environment:

No further relevant information available.

SECTION 9: Physical and chemical properties

Appearance:	Physical state:	Powder
Color:	Light yellow	
Odor:	Odorless	
Odor threshold:	Not determined	
pH value:	Not applicable.	
Change of condition:	Melting point/freezing point:	Undetermined
	Initial boiling point/boiling range:	Undetermined
Flash point:	Not applicable	
Flammability (solid, gas)	Product is not flammable	
Upper/Lower flammability or explosive limits:	Flammability limit-lower (%):	Not determined
	Flammability limit-upper (%):	Not determined
Ignition temperature:	Decomposition temperature:	Not determined
Self-igniting:	Not determined	
Danger of explosion:	Product does not present an explosion hazard.	
Evaporation rate:	Not determined	
Decomposition temperature:	Not determined	
Vapor pressure:	Not applicable	
Vapor density:	Not applicable	
Solubility (ies):	Partly soluble in water	
Specific gravity:	No data available	
Partition coefficient (n-octanol/water):	Not available	
Viscosity: Dynamic:	Not applicable	
Kinetic:	Not applicable	
Other information:	No further relevant information available.	

SECTION 10: Stability and reactivity

Chemical stability: Stable

Possibility of hazardous reactions: As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion. It reacts with strong alkali, oxidizing agents and with certain metals.

Condition to avoid: Store away from oxidizing agents and moisture.

Incompatible materials: No further relevant information available.

Hazardous decomposition: May evolve carbon dioxide,
Carbon monoxide
Toxic metal oxide smoke
Potassium oxide

SECTION 11: Toxicological information

Information on likely route and sign and symptoms of exposure

Trade secret: Acute toxicity: LD/LC50 375mg/kg (rat)

Primary irritant effect:

Skin contact: Slight irritant effect on skin and mucous membrane.

Eye contact: Strong caustic effect.

Sensitization: No sensitizing effects known.

Additional toxicological information: This product shows the following dangers according to internally approved calculation methods for preparations: Harmful, corrosive.

Chronic toxicity/Damage to organs: No data available

Teratogenicity Not available

Mutagenicity Not available

Embryotoxicity Not available

Specific target organ toxicity: No data available

Carcinogenic categories:

NTP (National Toxicology Program): None of the ingredient is listed.

OSHA-Ca. (Occupational Safety and Health Administration) None of the ingredients is listed.

SECTION 12: Ecological information

Ecotoxicity

Aquatic vertebrate Not available

Aquatic invertebrate Not available

Terrestrial Not available

Persistence and degradability Not available

Bio-accumulative potential Not available

Mobility in soil Not available

Additional ecological information: *General Note*

Do not allow undiluted product or large quantities of it to reach to ground water, watercourse or sewage system. Must not reach bodies of water or drainage ditch undiluted unneutralize. Rinse off of bigger amount into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste emptied into drains, is only low water dangerous.

PBT and vPVB Assessment Not available

Other adverse effects not available

SECTION 13: Disposal consideration

Waste treatment methods:

Recommendation: Must be disposed of together with household garbage. Do not allow product to reach sewage system. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. Can be disposed of with household garbage with prior chemical-physical or biological treatment following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

SECTION 14: Transportation information

US Department Of Transportation

Shipping Name: Not regulated

Hazard Class: Not regulated

UN Number: Not regulated

Packaging Group: Not regulated

Label statement: Not regulated

Marine pollutant: NO

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 is listed.

Section 313 (Specific toxic chemical listing): Trade secret

TSCA (Toxic Substances Control Act): All of the ingredients are listed.

Proposition 65 (California): None of the ingredients is listed

EPA (Environmental Protection Agency): None of the ingredients is listed.

IARC (International Agency for Research on Cancer): No ingredients are listed.

SECTION 16: Other information

SDS Reviewed on: March 3, 2015

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.

