



SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID: 0810WP.950.x
Product Name: Kwikrez VC 300+
Revision Date: Apr 04, 2019 **Date Printed:** May 10, 2019
Version: 1.0 **Supersedes Date:** N.A.
Manufacturer's Name: Nanochem Technologies
Address: 1203 Kent St Elkhart, IN, US, 46514
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Product/Recommended Uses:

SECTION 2) HAZARDS IDENTIFICATION

Classification

Flammables solids - Category 2

Pictograms



Signal Word

Warning

Hazardous Statements - Physical

H228 - Flammable solid

Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

Precautionary Statements - Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting equipment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

P370 + P378 - In case of fire: Use ... to extinguish.

Precautionary Statements - Storage

No precautionary statement available.

Precautionary Statements - Disposal

No precautionary statement available.

Hazards Not Otherwise Classified (HNOC)

None

Acute toxicity of 7.25% of the mixture is unknown

SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
NA-ERAEnviro	Non Hazardous Solid	23% - 39%
0007732-18-5	WATER	21% - 35%
0007439-89-6	IRON	19% - 32%
NA_ERAEnviro	Acrylic resin (generic) (P-81-0573)	4% - 10%
0007440-21-3	SILICON	3% - 8%
0007631-86-9	SILICA, AMORPHOUS	0.8% - 2%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If unwell, or exposed and concerned : Get medical advice/attention.

Eye Contact

Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a flushing duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

Skin Contact

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for at least 15-20 minutes. If skin irritation or rash occurs: Get medical advice/attention. Store contaminated clothing under water and wash before reuse or discard. IF exposed or concerned: Get medical advice/attention.

Ingestion

Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position.

Most Important Symptoms and Effects, Both acute and Delayed

Exposure to liquid may cause eye, skin and respiratory irritation. Symptoms may include stinging, tearing, and redness of eyes, irritation of nose, throat, respiratory tract. Swallowing in large amounts of product may be harmful. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Indication of Any Immediate Medical Attention and Special Treatment Needed

No data available.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, foam, carbon dioxide water spray or fog is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only.

Unsuitable Extinguishing Media

No data available

Specific Hazards in Case of Fire

May produce hazardous fumes containing oxides of carbon and oxides of nitrogen.

Fire-Fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Do not touch or walk through spilled material.

Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

Recommended Equipment

Positive pressure, full-facepiece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

Personal Precautions

Avoid breathing vapor or mist. Avoid contact with skin, eye or clothing. Ensure adequate ventilation. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

Methods and Materials for Containment and Cleaning Up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Contaminated absorbent material may pose the same hazard as the spilled product.

SECTION 7) HANDLING AND STORAGE

General

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Do not breathe vapors or mists.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

Storage Room Requirements

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight and strong oxidizers. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous.

WARNING: Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperatures and pressures, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources.

SECTION 8) EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced.

Use impervious, flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Respiratory Protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH.

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Chemical Name	OSHA Tables (Z1, Z2, Z3)	OSHA Carcinogen	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)
SILICA, AMORPHOUS	1,3		20 (b)	80 mg/m3 percent SiO ₂ +2				
SILICON	1			[15]; [5 (a)];				

Chemical Name	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	ACGIH Carcinogen	NIOSH Carcinogen
SILICA, AMORPHOUS				6				
SILICON				10,5a				

Chemical Name	ACGIH TLV Basis	ACGIH Notations	OSHA Skin designation
SILICA, AMORPHOUS			
SILICON			

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Specific Gravity	2.023170
Density	16.884200 lb/gal
% Solids By Weight	63.979500%
% VOC	1.148790%
% HAPS	0.017629%

Appearance	N.A.
Odor Threshold	N.A.
Odor Description	N.A.
pH	N.A.
Water Solubility	N.A.
Flammability	Flash point at or above 200°F/93°C
Flash Point Symbol	N.A.
Flash Point	212 °F
Viscosity	N.A.
Lower Explosion Level (%)	0.6
Upper Explosion Level (%)	73
Vapor Pressure	N.A.
Vapor Density (Air = 1)	N.A.
Freezing Point	N.A.
Melting Point	N.A.
Low Boiling Point	95 °F
High Boiling Point	500 °F
Auto Ignition Temp	N.A.
Decomposition Pt	N.A.
Evaporation Rate (n-Butyl Acetate = 1)	N.A.
Coefficient Water/Oil	N.A.

SECTION 10) STABILITY AND REACTIVITY

Stability

This product is stable under normal conditions.

Conditions to Avoid

Avoid heat, sparks, open flames and other sources of ignition.

Hazardous Reactions/Polymerization

Will not occur.

Incompatible Materials

This product can react violently with strong oxidizing agents such as chlorine, oxygen, strong oxidizing acids, such as, nitric and sulfuric and strong bases.

Hazardous Decomposition Products

Heating to decomposition, as in a fire or welding, may produce hazardous fumes. Fumes may contain carbon monoxide, carbon dioxide and oxides of carbon.

SECTION 11) TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation, ingestion, skin absorption.

0005131-66-8 PROPYLENE GLYCOL

The substance can be absorbed into the body through the skin, and by ingestion.

Skin Corrosion/Irritation

No Data Available

0005131-66-8 PROPYLENE GLYCOL

Can irritate the skin.

Serious Eye Damage/Irritation

No Data Available

0000112-34-5 DIETHYLENE GLYCOL MONOBUTYL ETHER

Can be irritating to the eyes.

0005131-66-8 PROPYLENE GLYCOL

Can irritate the eyes. May cause mild, reversible corneal injury.

Respiratory/Skin Sensitization

Causes mild respiratory irritation. Breathing large amounts may be harmful.

No Data Available

0000112-34-5 DIETHYLENE GLYCOL MONOBUTYL ETHER

May cause dryness and cracking.

Germ Cell Mutagenicity

No Data Available

Carcinogenicity

No Data Available

Reproductive Toxicity

No Data Available

Specific Target Organ Toxicity - Single Exposure

No Data Available

Specific Target Organ Toxicity - Repeated Exposure

No Data Available

0005131-66-8 PROPYLENE GLYCOL

Adverse effects in animal studies include adaptive liver changes and reversible CNS depression.

Aspiration Hazard

No Data Available

Acute Toxicity

No Data Available

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

No Data Available

Mobility in soil

0064742-54-7 MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC

Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.

Bio-accumulative Potential

0005131-66-8 PROPYLENE GLYCOL

Substance has a low potential for bioaccumulation, log Kow = 1.15.

0064742-54-7 MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC

Contains constituents with the potential to bioaccumulate.

Persistence and Degradability

No Data Available.

0000112-34-5 DIETHYLENE GLYCOL MONOBUTYL ETHER

Readily biodegradable.

Other Adverse Effect

No data available.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information

UN number: Not Regulated

Proper shipping name: N/A

Hazard class: Not Applicable

Packaging group: Not Applicable

Hazardous substance (RQ): No Data Available

Toxic-Inhalation Hazard: No Data Available

Marine Pollutant: No Data Available

Note / Special Provision: No Data Available

IMDG Information

UN number: Not Regulated

Proper shipping name: N/A

Hazard class: Not Applicable

Packaging group: Not Applicable

Marine Pollutant: No Data Available

Note / Special Provision: No Data Available

IATA Information

UN number: Not Regulated

Hazard class: Not Applicable

Packaging group: Not Applicable

Proper shipping name: N/A

Note / Special Provision: No Data Available

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
NA-ERAEnviro	Non Hazardous Solid	23% - 39%	SARA312
0007732-18-5	WATER	21% - 35%	TSCA
0007439-89-6	IRON	19% - 32%	SARA312,TSCA
NA_ERAEnviro	Acrylic resin (generic) (P-81-0573)	4% - 10%	SARA312
0007440-21-3	SILICON	3% - 8%	CERCLA,SARA312,TSCA
0007631-86-9	SILICA, AMORPHOUS	0.8% - 2%	SARA312,IARCCarcinogen,TSCA
0000112-34-5	DIETHYLENE GLYCOL MONOBUTYL ETHER	Trace	SARA313, CERCLA,HAPS,SARA312,VHAPS,VOC,TSCA



WARNING: This product can expose you to chemicals including 1,4-DIOXANE, BENZYL CHLORIDE which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16) OTHER INFORMATION

Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center(US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQ Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

Additional Information

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

HMIS

Health	* 1
FLAMMABILITY	0
Physical Hazard	0
Personal Protection	X

(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks

Version 1.0:

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