

# HydroKIK®

## KB International LLP

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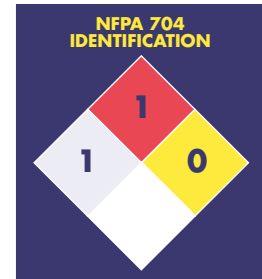
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HydroCLEAR	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	0



### For Emergencies Assistance Call:

**USA:** Chemtel, Inc. day or night at 1 800-255-3924

**International:** Chemtel, Inc. day or night at +1 813-248-0585. Call collect if necessary. The bilingual operator can then assist in identifying the language of the caller in they do not speak English so Chemtel can conference the call to their on-line translation service for proper interpretation.

## 1. MATERIAL IDENTIFICATION

Product Name: **HydroKIK®**

Use: Increases Efficiency of Excavation Fluid in More Challenging Conditions

**Formula:**

Trade Secret  
Trade Secret  
Hydrophobically Modified Polymer - Trade Secret  
Vinyl Polymer - Trade Secret  
Water

**CAS Reg. No.:**

Proprietary  
Proprietary  
Proprietary  
Proprietary  
7732-18-5

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

This product is not a health hazard according to the OSHA Hazard Communication Standard 29CFR1910.1200. If this product is used in a manner that could generate particulates (dust), refer to MSDS Section 8, "Recommended Exposure Limits and Personal Protective Equipment". Not listed as a carcinogen by IARC, NTP, OSHA.

## 3. PHYSICAL DATA

Appearance: granular powder  
Color: white to off-white  
Oder: odorless  
Specific Gravity: 1.59  
Percent Volatile: negligible at 20 C  
Solubility In Water: limited by viscosity  
Browning Temperature: 440 F  
Moisture Content, (Wt.)%: 8.0 max. (as packed)

## 4. STABILITY & REACTIVITY DATA

Hazardous Decomposition Products: None known  
Hazardous Polymerization: Not anticipated under normal or recommended handling and storage conditions.  
General Stability Considerations: Stable under recommended handling and storage conditions.  
Incompatible Materials: None known



## 5. FIRE & EXPLOSION DATA

**Flash Point:** Not flammable  
**Auto Ignition Temperature:** NA  
**Flammable Limits in Air % by Volume:** NA  
**Unusual Fire and Explosion Hazards:** None known

## 6. FIRE FIGHTING MEASURES

**Extinguishing Media:** Foam, water spray, carbon dioxide, dry chemical or halon  
**Extinguishing Media to Avoid:** NA  
**Special Fire Fighting Precautions:** Wear self-contained breathing apparatus pressure-demand, MSHNNIOSH approved (or equivalent) and full protective gear when fighting fires involving this product.  
**Conditions to Avoid:** Avoid conditions that generate dust. This product may form flammable dust-air mixtures. Avoid emptying package in or near flammable vapors. Static charges may cause flash fire.  
**Hazardous Combustion Products:** If heated to decomposition, the following substances may be formed: carbon monoxide, carbon dioxide, and smoke.  
**Auto Ignition Temperature:** > 698 F

## 7. HEALTH & HAZARD INFORMATION

**Inhalation:** Remove to fresh air. Get medical attention if cough or other symptoms develop.  
**Ingestion:** May irritate gastrointestinal tract. This product is not listed as a carcinogen IARC, NTP, OSHA  
**Skin:** May cause irritation, especially after prolonged or repeated contact.  
**Eyes:** Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get medical attention if irritation persists.  
**Unusual Chronic Toxicity:** None known

## 8. FIRST AID MEASURES

**Inhalation:** Remove to fresh air. Apply mouth-to-mouth artificial respiration if not breathing. Get immediate medical attention.  
**Skin:** Flush with plenty of soap and water for at least 15 minutes. If irritation persists, get medical assistance.  
**Eyes:** Immediately flush with water, continuing for 15 minutes. Get medical attention.  
**Ingestion:** low oral toxicity. Drink 2 to 4 glasses of water. Get immediate medical assistance.

## 9. PERSONAL PROTECTION EQUIPMENT

**Respiratory Protection:** If misty conditions are encountered, wear NIOSH approved respirator.  
**Eye & Face Protection:** Splash-proof goggles if liquid contact is possible. Do not wear contact lens. Wear hard hat.  
**Hands, Arms, & Body:** Rubber gloves and full work clothing. Add protective (rubber) clothing if splashing or repeated contact with material is likely.  
**Other Clothing & Equipment:** Eye wash and quick drench shower.

## 10. ACCIDENTAL RELEASE MEASURES

Material and its solutions are extremely slippery. Dike and absorb spill with inert material such as sand, vermiculite, or dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Water may be used to complete cleaning.

## 11. HANDLING & STORAGE

**Ventilation:** Local exhaust if misty conditions prevail. Natural ventilation is adequate in the absence of mist and for non-enclosed areas.  
**Normal Handling:** Avoid contact with skin, eyes or clothing. Do not inhale mist if formed. Use normal personal hygiene and housekeeping.  
**Storage:** Store above freezing point of water, and below 40° C

## 12. ENVIRONMENTAL

**Hazardous Decomposition Products:** None known

**Hazardous Polymerization:** Not anticipated under normal or recommended handling and storage conditions.

**General Stability Considerations:** Stable under recommended handling and storage conditions.

**Incompatible Materials:** None known

## 13. TOXICOLOGICAL INFORMATION

**Carcinogenicity Information:** PRODUCT/SIMILAR PRODUCT - Not listed as a carcinogen by NTP. Not regulated as a carcinogen by OSHA. Not evaluated by IARC.

**Reported Human Effects:** PRODUCT/SIMILAR PRODUCT - A single case of allergic dermatitis has been reported after long-term skin contact. A single case of anaphylaxis was reported after ingestion.

**Reported Animal Effects:** PRODUCT/SIMILAR PRODUCT - Reported to cause rabbit eye irritation after exposure to dust. Low order of oral toxicity based on acute and chronic studies in several species.

**Mutagenicity / Utagenicity / Genotoxicity Information:** PRODUCT/SIMILAR PRODUCT – Not mutagenic in Ames assay or chromosome aberration test.

## 14. ECOLOGICAL INFORMATION

**Ecotoxicological Information:** Acute aquatic 96-hour static LC50 value falls within the practically nontoxic range of 100-1000 mg/L, according to the US Fish and Wildlife criteria. Rainbow trout and Bluegill sunfish were the species tested.

**Biodegradability:** This product is biodegradable.

## 15. DISPOSAL CONSIDERATIONS

**Waste Disposal:** Incineration in accordance with applicable regulations is the recommended disposal method. Land filling in a permitted solid or hazardous waste facility, meeting technical regulatory requirements, is a suitable alternative. Wastewater containing this product can be considered for treatment in an acclimated biological treatment system

## 16. TRANSPORTATION INFORMATION

**General:** This product is not subject to DOT, ICAO, IMDG or ADR regulations.  
For specific information regarding transportation of this product, please contact the KB International LLC at +1 (423) 266-6964 or FAX at +1 (832) 201-9196.

## 17. REGULATORY INFORMATION

**CHEMICAL INVENTORIES:** U.S. TSCA: Included on TSCA Inventory.

**SARA TITLE III – SECTIONS 302 AND 304:** This product is not an Extremely Hazardous Substance subject to reporting under 40CFR355.

**SARA TITLE III - SECTION 311 AND 312:** NHH: Not a health hazard  
HC-3: Fire hazard

**SARA TITLE III - SECTION 313:** This product does not contain any chemicals subject to reporting under Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40CFR372.

**CERCLA:** This product does not contain any chemicals subject to reporting as a CERCLA Hazardous Substance under 40CFR302.4.

**RCRA:** This product is not a hazardous waste as listed in 40CFR261.33. It does not exhibit any of the hazardous characteristics listed in 40CFR261, Subpart C.



## 18. OTHER INFORMATION

### DISCLAIMER

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.

### LIST OF ACRONYMS

<b>ACGIH:</b>	American Conferences of Governmental Industrial Hygienists
<b>AIHA WEEL:</b>	American Industrial Hygienists Association - Workplace Environmental Exposure Level
<b>CASRN:</b>	Chemical Abstracts Service Registry Number
<b>CERCLA:</b>	Comprehensive Emergency Response, Compensation and Liability Act
<b>HMIS:</b>	Hazardous Materials Identification System
<b>IARC:</b>	International Agency for Research on Cancer
<b>NTP:</b>	National Toxicology Program
<b>OSHA:</b>	Occupational Safety and Health Administration
<b>PEL:</b>	OSHA Permissible Exposure Limit
<b>RCRA:</b>	Resource Conservation and Recovery Act
<b>RQ:</b>	Reportable Quantity
<b>SARA:</b>	Superfund Amendment Reauthorization Act
<b>STEL:</b>	Short-Term Exposure Limit
<b>TLV:</b>	Threshold Limit Values (registered trademark of ACGIH)
<b>TPQ:</b>	Threshold Planning Quantity
<b>TSCA:</b>	Toxic Substance Control Act
<b>TWA:</b>	Time Weighted Average