**Spinks 105 – February 2, 2018**

SAFETY DATA SHEET

| SECTION 1 | IDENTIFICATION |
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Product

Name: Spinks 105

Other Names: Acrylic Polymer

Recommended Uses: Rheological Property Modifier

Company Identification:

H.C. Spinks Clay Company
P.O. Box 820
Paris, Tennessee 38242
731-642-5414

Emergency Phone Number:

Spinks 731-642-5414

| SECTION 2 | HAZARDS(S) IDENTIFICATION |
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Classification This material is not hazardous under the criteria of the OSHA Hazard Communication Standard 29CFR 1910.1200

Labeling:

Pictograms: None Required

Signal Word(s): None Required

Hazard Statements: None Required

Precautionary Statements: None Required

Other Hazards: None Required

| SECTION 3 | COMPOSITION/ INFORMATION ON INGREDIENTS |
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Chemical Name: Acrylic polymer mixture with water

Common names and synonyms:

| Chemical Identity | CAS # | Concentration, % Wt. |
|---|---|---|
| 2-Propenoic acid, homopolymer, sodium salt | 9003-04-7 | 42.0 – 43.0 |
| Proprietary Ingredients | Not available | < 1.0 |
| Water | 7732-18-5 | > 56 |

| SECTION 4 | FIRST AID MEASURES |
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Inhalation: Move victim to fresh air.

Ingestion: Drink 1 or 2 glasses of water. Consult physician if necessary. Never give anything by mouth to an unconscious person

Most important symptoms and effects, both acute and delayed: Other than the first aid information above, please see Section 11 for Toxicological Information

Note to Physician: Treatment of exposure should be directed towards control of symptoms and the clinical condition of the patient.

| SECTION 5 | FIREFIGHTING MEASURES |
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Extinguishing Media

Appropriate Extinguishing Media: Use extinguishing media appropriate for the surrounding fire.

Inappropriate Extinguishing Media: N/ A

Firefighting

Fire Hazards: Spinks 105 can splatter if reaches a temperature above the boiling point of water (100 $^{o}$C/ 212 $^{o}$F). Spinks 105 can burn if it is allowed to fully dry.

Hazardous Combustion Products: None

Special Protective Equipment and Fire Fighting Instructions: None

| SECTION 6 | ACCIDENTAL RELEASE MEASURES |
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Personal Precautions: Use proper protective equipment. Keep people away and upwind of any spill or leak. Material can create slippery conditions.

Environmental Precautions: Prevent release of spills and cleaning runoff to sewers or waterways.

Methods and Materials for Containment and Cleaning Up: Contain spills immediately with inert ingredients (such as sand, clay or soil). Transfer liquids and solid diking materials to separate suitable containers for recovery or disposal.

| SECTION 7 | HANDLING AND STORAGE |
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Precautions for Safe Handling: If Spinks 105 is heated it may release residual monomers into the air. See Section 8 for guidance on ventilation.

Conditions for Safe Storage, Including any Incompatibilities: Keep from freezing as that may cause issues with long term product stability. Stir well before use.

Store at 1 – 49 $^{o}$C (34 – 120 $^{o}$F)

| SECTION 8 | EXPOSURE CONTROLS/ PERSONAL PROTECTION |
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Control Parameters:

| Component | CAS # | Exposure Limits |
|---|---|---|
| 2-Propenoic acid, homopolymer, sodium salt | 9003-04-7 | 0.5 mg/m3 |

Appropriate Engineering Controls: Use local exhaust ventilation with a minimum velocity of 150 ft./ min (0.75 m/s) at the point of dust of mist evolution.

Personal Protection

Respiratory Protection: Use NIOSH approved respirators if airborne concentration exceeds PEL.

Eye Protection: Use safety glasses with side shields or safety goggles.

Skin Protection: Clothing should fully cover arms and legs.

Hand Protection: If needed, use only neoprene gloves

Other: Eye wash fountain and emergency showers are recommended.

| SECTION 9 | PHYSICAL AND CHEMICAL PROPERTIES |
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Appearance

Physical State: Liquid

Color: Yellow, clear

Odor: Mild odor

Odor Threshold: N/ A

pH: 6.5 – 7.5 @ 25$^{o}$ C

Melting Point: 0 $^{o}$C (32 $^{o}$F)

Initial Boiling Point: 100 $^{o}$C (212 $^{o}$F) - Water

Freezing Point: 0 $^{o}$C (32 $^{o}$F) - Water

Flash Point: Noncombustible

Evaporation Rate: < 1.00 (Water – 1)

Flammability (solid, gas): N/ A

Explosion Limits: N/ A

Vapor Pressure: 17 mmHg at 20 $^{o}$C (68 $^{o}$F) water

Vapor Density: < 1.0 water (air = 1)

Relative Density: 1.33 g/ cm$^{3}$

Solubility(ies): Completely soluble in water

Partition coefficient: No data available

Auto-ignition Temperature: N/ A to solution

Decomposition Temperature: N/ A to solution

Viscosity: 200 – 800 cP

| SECTION 10 | STABILITY AND REACTIVITY |
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Reactivity: No data available

Chemical Stability: No data available.

Possibility of Hazardous Reactions: None. Normally stable and will not undergo further polymerization.

Conditions to Avoid: No data available.

Incompatible Materials: None known

Hazardous Decomposition Products: Thermal decomposition may break down the polymer and yield acrylic monomers.

| SECTION 11 | TOXICOLOGICAL INFORMATION |
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Acute Toxicity

Acute Oral Toxicity: LD50, Rat > 5,000 mg/ kg

Acute Dermal Toxicity: Test data not available

Acute Inhalation Toxicity: Test data not available

Skin Corrosion/ Irritation: slight irritation

Serious Eye Damage/ Eye Irritation: slight irritation

Sensitization: Test data not available

Specific Target Organ Systemic Toxicity (Single Exposure): Test data not available

Specific Target Organ Systemic Toxicity (Repeated Exposure): Test data not available

Carcinogen Listing: Test data not available

Teratogenicity: Test data not available

Reproductive Toxicity: Test data not available

Mutagenicity: Test data not available

Aspiration Hazard: Test data not available

| SECTION 12 | ECOLOGICAL INFORMATION |
|---|---|

Ecotoxicity: No data is available for this specific product. The information shown is based upon profiles of compositionally similar materials

Toxicity

**Acute toxicity to fish (OECD Test Guideline 203)**
LC50, Oncorhynchus mykiss (rainbow trout), 96 hour, > 1,000 mg/l
LC50, Danio/ Brachydanio rerio (zebra fish), 96 hour, > 1000 mg/l

**Acute Toxicity to aquatic invertebrates (OECD Guideline 202)**
LC50, Brown shrimp, 96 hour, > 10,000 mg/ l

Persistence and Degradability: No relevant data found

Bioaccumulation Potential: No relevant data found

Mobility in Soil: No relevant data found

Other Adverse Effects: No relevant data found

| SECTION 13 | DISPOSAL CONSIDERATIONS |
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Disposal Recommendations: Incinerate or landfill at a permitted facility in accordance with all applicable federal, state, and local environmental regulations.

Regulatory Disposal Information: If this product as supplied, and unmixed, becomes a waste, it will not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act.

| SECTION 14 | TRANSPORT INFORMATION |
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UN Number: Not Regulated

UN Proper Shipping Name: Not Regulated

Transport Hazard Class(es): Not Regulated

Packing Group: Not Regulated

Marine Pollutant (y/n): No

Special Precautions: None

| SECTION 15 | REGULATORY INFORMATION |
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National Chemical Inventory Listings:

All chemical ingredients are listed on the USEPA TSCA Inventory List.

US Regulations:
RCRA Hazardous Waste Number: not listed (40 CFR 261.33)
RCRA Hazardous Waste Classification (40 CFR 261): not classified
CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b) (4); CWA, Sec. 307(a), CAA, Sec. 112
CERCLA Reportable Quantity (RQ) not listed.
SARA 311/312 Codes: not listed.
SARA Toxic Chemical (40 CFR 372.65): not listed.

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ): not listed

Specific State Regulations: Consult State and Local authorities for guidance.

Canadian DSL: Listed

Canadian NPRI: None of the components are listed

CEPA Toxic Substances: None of the components are listed

| SECTION 16 | OTHER INFORMATION |
|---|---|

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Revision: 2018-1

Abbreviations:

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|---|---|
| N/A | Not Available or Not Applicable |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| ACGIH | ACGIH American Conference of Governmental Industrial Hygienists |
| TWA | Time Weighted Average |
| PEL | Permissible Exposure Limit |
| TLV | Threshold Limit Value |
| REL | Recommended Exposure Limit |

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