

# Hydrogel - Kingfield Construction Products

## SAFETY DATA SHEET (SDS)

### I - COMPANY AND PRODUCT INFORMATION

**Product Name** Hydrogel  
**Manufacturer** Kingfield Construction Products, Inc.  
**Address** 530 North 3rd Street, Suite #230  
 Minneapolis, Minnesota 55401 USA  
**Contact Number** +1 (612) 225-5167  
**E-Mail Date** info@kingfieldcp.com  
 October, 2013

### II - INGREDIENT NAMES AND COMPOSITION

DESCRIPTION: Poly Rubber Gel Waterproofing Material  
 CHEMICAL FAMILY: N.A.

COMPONENT	OTHER NAME	C.A.S Number	CONTENT %
ASPHALT	BITUMEN	8052-42-4	N. AV.
PROCESS OIL	-	68791-76-6	N. AV.
RUBBER	RUBBER CHIP		N. AV.
HYDROTREATED RAFFINATE	-	64742-57-0	N. AV.
HYDROCARBON RESIN	-	64742-16-1	N. AV.
POLYOLEFIN	1-Propene	9003-07-0	N. AV.
S1(SECRET)	S1 (SECRET)	S1(SECRET)	N. AV.

### III - PHYSICAL DATA

APPEARANCE: Solid of black or Semi-Solid (Viscid)  
 ODOR: Slight asphalt odor  
 PH: No data available  
 SOLUBILITY: Insoluble  
 MELTING POINT: No data available  
 BOILING POINT RANGE: 680~752°F  
 VAPOR PRESSURE: No data available  
 IGNITION OR EXPLOSION RANGE: Not applicable  
 SPECIFIC GRAVITY: 0.9~1.0  
 OCTANOL-WATER PARTITION COEFFICIENT: No data available  
 DECOMPOSITION TEMPERATURE: No data available  
 VAPOR DENSITY: No data available  
 EVAPORATING RATE: No data available  
 MOLECULAR WEIGHT: No data available

### IV – FIRE AND EXPLOSION HAZARD DATA

FIRE AND EXPLOSION HAZARD: Combustible  
 FLASH POINT: 424°F  
 SPONTANEOUS COMBUSTION POINT: 707~752°F  
 DANGEROUS ARTICLES CLASS: Chapters 4 petroleum 4  
 EXTINGUISHER METHOD: Foam, CO<sub>2</sub>, watering, powder extinguisher materials, dry send.  
 SPECIAL FIRE FIGHTING PROCEDURES:
 

- Keep upwind
- Full protective equipment including self-contained breathing apparatus should be used.
- Move combustible materials from fire area.

 TOXIC SUBSTANCES CAUSED BY COMBUSTION: -Carbon monoxide and other toxic carbon compounds

**V – REACTIVITY DATA**

CHEMICAL STABILITY AND POSSIBILITY OF HARMFUL RESPONSE:	-Normal temperature and pressure is stable -Containers may explode when heated to high temperatures -Not easily ignited but some can take -Fire, irritating or toxic gases may be fired
CONDITIONS TO AVOID:	Solvents, flame ignition sources
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon Monoxide and other toxic compound
LIKELY TO DEVELOP HAZARDOUS MATERIAL RESPONSE:	No data available

**VI – HEALTH HAZARD DATA**

EYES:	Acute: Irritation, thermal burn
SKIN:	Chronic: blister, rash
INHALATION:	Acute: displeasure, dizziness, vomit
INGESTION:	Acute: nausea, vomit, dizziness, unconsciousness

**VII - EMERGENCY AND FIRST AID PROCEDURES**

EYES:	Wash eyes immediately with large amounts of water, occasionally lifting upper and lower lids, until no evidence of chemical remains (at least 15~20 minutes). Get medical attention immediately.
SKIN:	Remove contaminated clothing and shoes immediately. Launder before re-use. Wash affected area thoroughly with soap and water, until no evidence of material remains (at least 15~20 minutes). Get medical attention immediately if material is hot and burned the skin.
INHALATION:	Remove from exposure area to fresh air immediately. In case of difficulty with breathing dyspnoea, perform artificial respiration and get medical attention immediately.
INGESTION:	Call a physician immediately, ONLY induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

**VIII – PRECAUTIONS FOR SAFE HANDLING AND USE**

SPILLS:	Life Protection: Isolate hazard area and restrict entry. Eliminate all sources of ignition. Environmental Protection: Eliminate leaking material. Prevent the spread of leaking material. Elimination Method: Wipe the product with sand, soil or cloth. Put the leaking material in container and dispose of container by the procedure. Clean up contamination area with cleanser and water.
DISPOSAL:	Put the leaking material in container and dispose of in accordance with federal, state and local authorities and the Waste Management Act.
HANDLING:	Avoid contact with eyes, skin and clothing. Wear protective equipment and wash thoroughly after handling.
STORAGE:	Keep container tightly closed and keep away from all ignition sources such as open flame, and spark.

**IX – CONTROL MEASURES**

VENTILATION:	If dizziness occurs, seek fresh air
RESPIRATORY:	When used frequently or in a confined spaces, wear a safety mask.
EYES:	Wear safety glasses.
SKIN:	Wear non-penetrable clothes, chemical and heat protecting gloves, heat protective clothing.

**X – SHIPPING AND LABEL DATA**

UN NO.:	UN classification no information on hazardous substances
TRANSPORT CONSIDERATIONS:	Avoid physical shock, fire
PROPER SHIPPING NAME:	No data

PACKING:	No data
TRANSPORTATION-RELATED REGULATIONS AND LAWS:	Fire Hazard Chapter 4 petroleum law because it is equivalent to transportation, must comply with fire regulations.

## XI – ADDITIONAL INFORMATION

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### TOXICITY

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ASPHALT:	Acute oral toxicity : LD50 > 500 mg/kg Rat Acute dermal toxicity: LD50 > 200 mg/kg Rabbit Acute inhalation toxicity: No data available Mutagenicity: Salmonella – Positive reaction, Rat – Negative reaction Reproductive toxicity : No data available Carcinogenicity: -Industrial safety of health law article: No data available -OSHA: No data available -IARC: Group 3 -ACGIH: A4 -NTP: No data available -EU CLP No data available
PROCESS OIL:	Acute oral toxicity: No data available (components of the Industrial Safety and Health Act of mineral oil 3900 mg/m <sup>3</sup> 4 hr taken inhaled LC50) Acute inhalation toxicity : Vertigo, Vomit, Nausea, Brash etc. Subacute toxicity : No data available Chronic toxicity : No data available Mutagenicity : No data available Reproductive toxicity : No data available Carcinogenic toxic substance : Not applicable
RUBBER:	Acute oral toxicity : No data available Acute dermal toxicity : No data available Acute inhalation toxicity : No data available Mutagenicity : No data available Reproductive toxicity : No data available Carcinogenicity : -OSHA: No data available -IARC: No data available -ACGIH: No data available -NTP: No data available -EU CLP: No data available
HYDROTREATED RAFFINATE:	Acute oral toxicity : No data available Acute dermal toxicity : No data available Acute inhalation toxicity : No data available Mutagenicity : No data available Reproductive toxicity : No data available Carcinogenicity : -Industrial safety of health law article: No data available -OSHA: No data available -ACGIH: No data available -NTP: No data available -EU CLP: Carc. 1B (DMSO extract measured by how IP346 less than 3% except in the case)
HYDRO CARBON RESIN:	Acute oral toxicity : LD50 7000mg/kg(mammal) Acute dermal toxicity : No data available Acute inhalation toxicity : No data available

Mutagenicity : No data available  
Reproductive toxicity : No data available  
Carcinogenicity :  
Industrial safety of health law article: No data available  
-OSHA: No data available  
-IARC: No data available  
-ACGIH: No data available  
-NTP: No data available  
-EU CLP: No data available

S1 (SECRET)

Acute oral toxicity : LD50 > 5000 mg/kg Rat  
Acute dermal toxicity : No data available  
Acute inhalation toxicity : No data available  
Mutagenicity : No data available  
Reproductive toxicity : No data available  
Carcinogenicity :  
-Industrial safety of health law article: No data available  
-OSHA: No data available  
-ACGIH: No data available  
-NTP: No data available  
-EU CLP: No data available

## IMPACT ON THE ENVIRONMENT

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ECOTOXICITY: No data  
PERSISTENCE AND DEGRADABILITY: No data  
MOBILITY IN SOIL: No data  
BIOACCUMULATIVE POTENTIAL: No data

## DISPOSAL CONSIDERATIONS

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HOW TO DISPOSE: In accordance with Waste Management Act and the courage to discard the contents and containers  
DISPOSAL CONSIDERATIONS: Refining criteria must comply with the Waste Management Act

## TRANSPORT INFORMATION

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UN NO.: UN classification no information on hazardous substances  
TRANSPORT CONSIDERATIONS: Avoid physical shock, fire EYES  
PROPER SHIPPING NAME: No data  
PACKING: No data  
TRANSPORTATION-RELATED REGULATIONS AND LAWS: Fire Hazard Chapters 4 petroleum law because it is equivalent to transportation must comply with fire regulations.

## REGULATORY INFORMATION

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REGULATIONS BY OCCUPATIONAL SAFETY AND HEALTH: Occupational safety and health Act Article 41.  
REGULATED BY THE TOXIC CHEMICALS CONTROL ACTS: No Data  
OTHER FOREIGN LAW  
-OSHA: No data  
-TSCA: No data  
-SARA: No data  
-EU: No data

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