

Hydrogel - Kingfield Construction Products

SAFETY DATA SHEET (SDS)

I - COMPANY AND PRODUCT INFORMATION

Product Name Hydrogel
Manufacturer Kingfield Construction Products, Inc.
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 Minneapolis, Minnesota 55401 USA
Contact Number +1 (612) 225-5167
E-Mail Date info@kingfieldcp.com
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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, CO₂, 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

TOXICITY

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/m³ 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

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

DISPOSAL CONSIDERATIONS

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

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

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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