

**SAFETY DATA SHEET**

Conforms to OSHA HazCom 2024 Standard

**SECTION 1: IDENTIFICATION****1.1 PRODUCT IDENTIFIER**ENVIROKLEEN<sup>®</sup>**1.2 CHEMICAL NAME**

Iso-alkane and Binder System

**1.3 SYNONYMS**

Dust Retardant, Dust Control Agent, Dust Palliative, Stabilization Agent, Soil Stabilizer, Binding Agent, Soil Conditioner, Soil Amendment, Stabilization Additive, Soil Treatment Agent, Aggregate Binder, and Road Base Stabilizer.

**1.4 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE**

Dust Suppressant and Stabilizing Agent

**1.5 NAME, ADDRESS, AND TELEPHONE OF MANUFACTURER**

Midwest Industrial Supply, Inc.

1101 3<sup>rd</sup> Street SE

Canton, Ohio 44707

866-662-3878

**1.6 EMERGENCY TELEPHONE NUMBER**

330-456-3121, Monday – Friday 8AM – 5PM EDT

**SECTION 2: HAZARD IDENTIFICATION****2.1 CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) OF 29 CFR 1910.1200**

Not classified as a hazardous mixture.

**2.2 LABEL ELEMENTS****2.2A SIGNAL WORD**

Not required.

**2.2B HAZARD STATEMENTS**

Not required.

**2.2C HAZARD PICTOGRAMS**

Not required.

**2.2D PRECAUTIONARY STATEMENTS**

Not required.

**2.3 HAZARDS NOT OTHERWISE CLASSIFIED**

None.

**2.4 UNKNOWN ACUTE TOXICITY**

None.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS****3.1 SUBSTANCE / MIXTURE**

Chemical Name	CAS Number	% by Weight
Severely hydrotreated, synthetic iso-alkane	72623-86-0	60 - 80

**SECTION 4: FIRST AID MEASURES****4.1 DESCRIPTION OF FIRST AID MEASURES****4.1A INHALATION**

If symptoms occur, go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**4.1B SKIN**

Remove contaminated clothing. Rinse skin with water. Obtain medical attention if irritation develops or persists.

**4.1C EYES**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

**4.1D INGESTION**

Rinse mouth. Do NOT induce vomiting. May have a laxative effect but will be eliminated quickly. Obtain medical attention if irritation occurs.

**4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED**

Not expected to present a significant hazard under anticipated conditions of normal use.

**4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

If exposed or concerned, get medical advice and attention.

**SECTION 5: FIRE-FIGHTING MEASURES****5.1 EXTINGUISHING MEDIA**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**5.2 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL**

If a tank is involved in a fire, isolate for 0.5 miles in all directions. Shut off fuel to fire if possible to do so without hazard. If this is impossible, withdraw from the area and let the fire burn itself out under controlled conditions. Withdraw immediately in case of rising sound from venting safety device or any discoloration of the tank due to fire. Cool containing vessels with water spray in order to prevent pressure build-up, autoignition, or explosion.

**5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS**

Respiratory and eye protection are required for firefighting personnel. Self-contained breathing apparatus (SCBA) are required for conditions.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES**

Safety glasses, gloves, and protective clothing are recommended, but not required. Material can create slippery conditions.

**6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

Do not allow uncontrolled discharge of product into the environment. Keep spills out of sewers and open bodies of water. Prevent further leakage or spillage if safe to do so. Remove all sources of ignition. Soak up with inert absorbent material, such as clay or sand. Place absorbent in closed metal containers for later disposal or burn in appropriate facility. Non-sparking tools should be used. Contact the proper local authorities.



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### SECTION 7: HANDLING AND STORAGE

#### 7.1 PRECAUTIONS FOR SAFE HANDLING

Do not reuse empty containers. Practice good hygiene. Avoid contact with skin, eyes, and clothing. Do not ingest. Keep away from heat and sources of ignition.

#### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep in a cool, dry, ventilated storage area and in closed containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Periodic inspections of containers should be performed to catch any potential leaks. Keep away from incompatible materials, heat, and sources of ignition.

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1 CONTROL PARAMETERS

Chemical Name	Occupational Exposure Guidelines	
	OSHA-PEL	ACGIH-TLV
Severely hydrotreated, synthetic iso-alkane	TWA (Mist): 5 mg/m <sup>3</sup>	TWA (Inhalation particulate matter): 5 mg/m <sup>3</sup>

#### 8.2 APPROPRIATE ENGINEERING CONTROLS

Under normal handling conditions, special ventilation is not necessary. If operation generates mist or fumes, use ventilation to keep exposure to airborne contaminants below exposure limits.

#### 8.3 INDIVIDUAL PROTECTION MEASURES

Respiratory protection is not required if good ventilation is maintained. If mist is generated by heating or spraying, use a NIOSH approved organic vapor respirator with a mist filter. Eye and skin protection is recommended, but not required.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid
COLOR	Clear
ODOR	Mild
MELTING POINT	Will not freeze
FREEZING POINT	Will not freeze
BOILING POINT	>316°C (>601°F)
FLAMMABILITY	Low fire hazard – this material must be heated before ignition will occur.
LOWER/UPPER EXPLOSION LIMIT	No data available
FLASH POINT	202°C (395.6°F)
AUTO-IGNITION TEMPERATURE	No data available
DECOMPOSITION TEMPERATURE	No data available
pH	n/a, not an aqueous solution
KINEMATIC VISCOSITY	22°C = 100 – 140 cSt
SOLUBILITY IN WATER	Insoluble
PARTITION COEFFICIENT n-OCTANOL/WATER	No data available
VAPOR PRESSURE	Negligible at ambient temperature
DENSITY	6.86 – 7.13 lbs./gal

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<b>RELATIVE VAPOR DENSITY</b>	No data available
<b>PARTICLE CHARACTERISTICS</b>	No data available

**SECTION 10: STABILITY AND REACTIVITY**
**10.1 REACTIVITY**

None.

**10.2 CHEMICAL STABILITY**

Stable.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

Hazardous polymerization will not occur under normal industrial conditions.

**10.4 CONDITIONS TO AVOID**

Excessive heat, flames, and incompatible materials.

**10.5 INCOMPATIBLE MATERIALS**

Can react with strong acids, strong bases, and strong oxidizers.

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide, smoke, hydrocarbons, and irritating fumes.

**SECTION 11: TOXICOLOGICAL INFORMATION**
**11.1 INFORMATION ON THE LIKELY ROUTES OF EXPOSURE**

Skin and eye.

**11.2 SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL, AND TOXIOLOGICAL CHARACTERISTICS**

May be slightly irritating to the skin and eye.

**11.3 DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT AND LONG-TERM EXPOSURE**

Inhalation is highly unlikely; however, prolonged or repeated inhalation of fumes or mist may cause irritation to the respiratory tract. Ingestion is also highly unlikely; however, the product is relatively non toxic to the digestive tract but ingestion may cause laxative effects.

**11.4 NUMERICAL MEASURES OF TOXICITY**

PRODUCT	TEST	SPECIES	RESULT
Severely hydrotreated, synthetic iso-alkane	Acute Oral Toxicity	Rat	LD50 > 5,000 mg/kg
Severely hydrotreated, synthetic iso-alkane	Acute Inhalation Toxicity	Rat	LC50 >5.2 mg/l Exposure Time: 4h Test Atmosphere: dust/mist
Severely hydrotreated, synthetic iso-alkane	Acute Dermal Toxicity	Rabbit	LD50 >2,000 mg/kg

**11.5 INTERACTIVE EFFECTS**

None known.

**11.6 CARCINOGENICITY**

This product is not known to be carcinogenic to humans.

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 ECOTOXICITY

The LC50 level is the lethal concentration of the chemical under test that kills 50% of the test organisms in a specified amount of time. According to the EPA guidelines described in EPA-540-9-85-006, the LC50 of this product shows that it is practically non-toxic to all species. When used and applied properly, this product is not known to pose any ecological problems.

ENVIROKLEEN® AQUATIC TOXICITY	Fathead minnow	Americamysis bahia	Rainbow trout
<b>Acute/Survival*</b>			
<b>LC50</b>	>1000 mg/L	>1000 mg/L	>1000 mg/L
<b>Chronic/Survival*</b>			
<b>NOEC</b>	1000 mg/L	500 mg/L	1000 mg/L
<b>Chronic/Growth/Reproduction*</b>			
<b>NOEC</b>	1000 mg/L	250 mg/L	1000 mg/L

\*Methods used: *Methods for Measuring the Acute Toxicity of Effluents and Receiving Water to Freshwater and Marine Organisms, EPA-821-R-02-012. Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Water to Freshwater Organisms, EPA-821-R-02-013. Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Water to Marine and Estuarine Organisms, EPA-821-R-02-014.*

#### 12.2 PERSISTENCE AND DEGRADABILITY

This product has been tested in accordance with OECD 301B and is classified as Ready Biodegradability.

#### 12.3 BIOACCUMULATIVE POTENTIAL

No data available.

#### 12.4 MOBILITY IN SOIL

No data available.

#### 12.5 OTHER ADVERSE EFFECTS

No data available.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 DESCRIPTION OF WASTE RESIDUES

Do not allow uncontrolled discharge of product into the environment.

#### 13.2 INFORMATION ON SAFE HANDLING AND METHODS OF DISPOSAL

Consult with your local authorities about regulations. The disposal facility should be compliant with state, local, and federal government regulations.

### SECTION 14: TRANSPORT INFORMATION

#### 14.1 UN NUMBER

Not regulated.

#### 14.2 UN PROPER SHIPPING NAME

Not regulated.

#### 14.3 TRANSPORT HAZARD CLASS(ES)

Not regulated.

**14.4 ENVIRONMENTAL HAZARDS**

According to the EPA guidelines described in EPA-540-9-85-006, this product is classified as practically non-toxic to all species.

**14.5 TRANSPORT IN BULK**

If a tank is involved in a fire, isolate for 0.5 miles in all directions. Shut off fuel to fire if possible to do so without hazard. If this is impossible, withdraw from the area and let the fire burn itself out under controlled conditions. Withdraw immediately in case of rising sound from venting safety device or any discoloration of the tank due to fire. Cool containing vessels with water spray in order to prevent pressure build-up, autoignition, or explosion.

**14.6 SPECIAL PRECAUTIONS**

This product is a low fire hazard; however, ignition can occur if heated to the products flash point in the presence of oxygen and an ignition source.

**SECTION 15: REGULATORY INFORMATION****15.1 SAFETY, HEALTH, AND ENVIRONMENTAL REGULATIONS****15.1A EPA SARA TITLE III HAZARD CLASS**

Not classified as hazardous.

**15.1B OSHA HCS HAZARD CLASS**

Not classified as hazardous.

**15.1C TSCA**

Components of this product are listed on TSCA inventory.

**15.1D CANADIAN WHIMIS**

This product is not a "controlled product".

**15.1E CANADIAN DSL**

All components of this product are listed on the Domestic Substance List.

**15.1F CALIFORNIA PROPOSITION 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

**SECTION 16: OTHER INFORMATION**

**PREPARATION DATE:** 06/14/2021

**REVISION DATE:** 05/19/2025

**VERSION:** 3.0

*The information and recommendations contained herein are based upon our current knowledge and are intended to describe the product for the purposes of health, safety, and environmental.*