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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE SUPPLIER

### 1.1. Product identifier

Trade name:

**Pest-Kote®**

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Insecticide

#### 1.2.2. Uses advised against

None.

### 1.3. Details of the supplier of the safety data sheet

3D BioSciences , LLC

P. O. Box 22693

Knoxville, TN 37933

Phone: (469) 277-7758

e-mail: [info@3DBioSci.com](mailto:info@3DBioSci.com)

Person responsible for SDS: e-mail: MNouvel@3DBioSci.com

### 1.4. Emergency telephone number:

+48 32 745 47 00 (at working hours: 8.00 a.m. – 4 p.m.) – manufacturer number.

National Pesticide Information Center at 1-800-858-7378 6:30 AM to 4:30 PM Pacific Time (PT), seven days a week. During other times, call the poison control center at 1-800-222-1222. (EPA Reg. No. 87093-10)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### According to the GHS, 7th revised edition:

Causes severe eye irritation.

Environmental hazards: toxic to birds, fish and aquatic invertebrates. Care must be taken to avoid runoff. Do not contaminate water by disposal of wastes. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds.

### 2.2. Label elements

#### According to the GHS, 7th revised edition:

##### Pictograms:



GHS07



GHS09

#### Signal Word:

**WARNING**

#### Hazard statements:

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects

#### Precautionary statement:

P305+P312: IF IN EYES: Call a POISON CENTER or doctor/physician if you feel unwell.

P337+P313: If eye irritation persists: Get medical advice/attention.

P391: Collect spillage.



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P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. DO NOT puncture or incinerate! Empty container by using the product according to the label directions. Non-refillable container. If empty: Offer container for recycling, if available, or place in trash if allowed by state and local regulations.

## Hazardous components to be placed on the label:

Polyalkyleneoxide modified heptamethyltrisiloxane

## 2.3. Other hazards

Product does not meet PBT or vPvB criteria.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixtures

Product is a mixture.

Chemical name	CAS No	Content % w/w
Polyalkyleneoxide modified heptamethyltrisiloxane	67674-67-3	50 – <100
Pyrethrins	8003-34-7	1

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### Eye contact:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

### 4.2. Most important symptoms and effects, both acute and delayed

No data available.

### 4.3. Indication of any immediate medical attention and special treatment needed

No data available.

**Treatment:** No data available.

## SECTION 5: FIREFIGHTING MEASURES

**General Fire Hazards:** Do not use water jet as an extinguisher, as this will spread the fire. Use water spray to keep fire-exposed containers cool.

### 5.1. Extinguishing media

#### Suitable extinguishing media:

All standard extinguishing agents are suitable.

#### Unsuitable extinguishing media:

No data available.

### 5.2. Special hazards arising from the substance or mixture

No data available.

### 5.3. Advice for fire-fighters

#### Special firefighting procedures:

Static electricity and formation of sparks must be prevented. All equipment used when handling the product must be grounded.



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## Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus and protective clothing.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes, skin, and clothing. Avoid contact with liquid and vapors. Use personal protective equipment.

### 6.2. Environmental precautions

Prevent runoff from entering drains, sewers, or streams.

### 6.3. Methods and material for containment and cleaning up

Absorb spillage with suitable absorbent material.

### 6.4. Reference to other sections

Remove sources of ignition. In case of spills, beware of slippery floors and surfaces.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Do not breathe vapor/spray. Wash hands after handling.

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep container tightly closed.

### 7.3. Specific end use(s)

No data available.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Occupational Exposure Limit Value:

No data available.

#### Biological Limit Values:

None.

### 8.2. Exposure controls

#### Appropriate Engineering Controls:

Provide adequate general and local exhaust ventilation. Eye washes and showers for emergency use.

#### Individual protection measures, such as personal protective equipment:

**General information:** No data available.

**Eye/face protection:** Safety glasses with side-shields conforming to EN166

**Respiratory Protection:** No data available.

**Hygiene measures:** No data available.

**Environmental exposure controls:** No data available.



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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Physical state:</b>	Slightly viscous, clear liquid
<b>Form:</b>	Liquid
<b>Color</b>	Pale yellow (as per ASTM D1544 guidelines. The color code is # 127 by the Pantone Process color system with a composition of red = 244, green = 226, blue = 135)
<b>Odor:</b>	Low intensity odor, characteristic of a citrus / surfactant blend
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	6.34 – 6.53
<b>Freezing point:</b>	No data available.
<b>Boiling point:</b>	No data available.
<b>Flash point:</b>	Flashpoint 143.4°C (290.1°F) using a Grabner MiniFlash FLP Touch automated closed-cup instrument
<b>Viscosity:</b>	37.6 centipoise (cPs) with range of 36 – 39 cPs using a Brookfield rotational viscometer at 25°C by ASTM method D-914
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability Limit - Upper (%):</b>	No data available.
<b>Flammability Limit - Lower (%):</b>	No data available.
<b>Vapour pressure:</b>	No data available.
<b>Vapor density (air=1):</b>	No data available.
<b>Density:</b>	1.012 grams per milliliter as measured by the CIPAC MT 3.2.1 method
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	No data available.
<b>Solubility in Water:</b>	No data available.
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient: n-octanol/water:</b>	No data available.
<b>Pow:</b>	No data available.
<b>Autoignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>SADT:</b>	No data available.
<b>Viscosity, dynamic</b>	No data available.
<b>Viscosity, kinematic</b>	No data available.
<b>Explosive properties:</b>	No data available.
<b>Oxidising properties:</b>	No data available.

## SECTION 10: STABILITY AND REACTIVITY

**10.1. Reactivity:**  
No data available.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects:

Classification of the product was conducted by calculation method according to the GHS criteria, 7th revised edition:

**Acute toxicity:**



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Acute Oral Toxicity: product does not meet criteria for classification, LD<sub>50</sub> (rat): > 5000 mg/kg  
Acute Dermal Toxicity: product does not meet criteria for classification, LD<sub>50</sub> (rat): > 5000 mg/kg  
Acute Inhalation Toxicity: product does not meet criteria for classification, LD<sub>50</sub> (rat): > 5.13 mg/L  
**Repeated dose toxicity:** no data available  
**Skin corrosion/irritation:** Non-irritating  
**Serious eye damage/irritation:** Severely irritating  
**Respiratory or skin sensitisation:** Not considered to be a contact sensitizer  
**Other effects:** No data available

## SECTION 12: ECOLOGICAL INFORMATION

Do not apply within 15 ft of bodies of fresh water: lakes, reservoirs, rivers, permanent streams, marshes, natural ponds and commercial fishponds. A 15 ft buffer of uniform groundcover must exist between the application area and bodies of fresh water (uniform ground cover is defined as land which supports vegetation of > 2" throughout).

Do not apply within 60 ft of estuarine bodies of water. Estuarine water bodies are brackish, tidal water such as bays, mouths of rivers, salt marshes and lagoons.

This product is toxic to birds, fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighbouring areas. Care must be taken to avoid runoff. Do not contaminate water by disposal of wastes.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are foraging in the treatment area.

### 12.1. Toxicity:

No data available.

### 12.2. Other adverse effects:

No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods:

#### General information:

The generation of waste should be avoided or minimized wherever possible. Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.

#### Disposal methods:

DO NOT puncture or incinerate! Empty container by using the product according to the label directions. Non-refillable container. If empty: Offer container for recycling, if available, or place in trash if allowed by state and local regulations.

## SECTION 14: TRANSPORT INFORMATION

DOT	
14.1. UN number:	UN 3082
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S (Polyalkyleneoxide modified heptamethyltrisiloxane)
14.3. Transport hazard class(es):	9
Label(s):	9
14.4. Packing group:	III



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14.5. Environmental hazards:	Environmentally hazardous
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IMDG	
14.1. UN number:	UN 3082
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S (Polyalkyleneoxide modified heptamethyltrisiloxane)
14.3. Transport hazard class(es):	9
Label(s):	9
14.4. Packing group:	III
14.5. Environmental hazards:	Environmentally hazardous Marine pollutant: YES

IATA	
14.1. UN number:	UN 3082
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S (Polyalkyleneoxide modified heptamethyltrisiloxane)
14.3. Transport hazard class(es):	9
14.4. Packing group:	III
Passenger and cargo aircraft PI:	964
Limited quantity:	30 kg (PI: Y964)

## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations specific for the product in question

- GHS, 7th revised edition, United Nations, 2017
- DOT
- IATA DGR
- IMDG Code

## SECTION 16. OTHER INFORMATION

Key literature references and sources for data:  
No data available.

Wording of the H-statements in section 2 and 3  
Eye Irrit. 2, irritating to eyes, category 2  
Aquatic Chronic 2, substance dangerous to aquatic life, chronic, category 2

H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects

Training information:  
No data available.