



## Safety Data Sheet

### Section 1: Identification

#### Product identifier

- Product Name** • **RF2002 Block**
- Synonyms** • EPA Reg. No.: 2724-492
- Product Description** • Dark tan solid block.

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

- Recommended use** • Insect growth regulator.
- Restrictions on use** • Keep out of the reach of children. Avoid contact with eyes, skin or clothing.

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

- Manufacturer** • Wellmark International  
1501 E. Woodfield Road, Suite 200 West  
Schaumburg, IL 60173  
United States

#### Emergency telephone number

- Manufacturer** • 1-800-424-9300 - CHEMTREC
- Manufacturer** • 1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted
- Manufacturer** • 1-888-914-2082

### Section 2: Hazard Identification

#### United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

#### Classification of the substance or mixture

- OSHA HCS 2012** • Eye Irritation 2A

#### Label elements

**OSHA HCS 2012**

#### WARNING



- Hazard statements** • Causes serious eye irritation

#### Precautionary statements

- Prevention** • Wash thoroughly after handling.

Wear eye protection/face protection.

- Response** • IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

## Other hazards

### OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

## Section 3 - Composition/Information on Ingredients

### Substances

- Material does not meet the criteria of a substance.

### Mixtures

Composition		
Chemical Name	Identifiers	%
(s)-Methoprene	CAS:65733-16-6	0.01%
Other feed ingredients	NDA	99.99%

## Section 4: First-Aid Measures

### Description of first aid measures

#### Inhalation

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms occur.

#### Skin

- IF ON SKIN: Wash skin with soap and water. If irritation develops and persists, get medical attention.

#### Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.

#### Ingestion

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended.

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

- Causes serious eye irritation. Refer to Section 11 - Toxicological Information.

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

#### Notes to Physician

- Treat symptomatically and supportively.

## Section 5: Fire-Fighting Measures

### Extinguishing media

**Suitable Extinguishing Media** • SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or regular foam.

#### Unsuitable Extinguishing Media

- Avoid heavy hose streams.

#### Firefighting Procedures

- Do not allow fire fighting water to escape into waterways or sewers.

## Special hazards arising from the substance or mixture

**Unusual Fire and Explosion Hazards** • No data available.

**Hazardous Combustion Products** • No data available.

## Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** • Avoid contact with skin, eyes, and clothing. Wear appropriate personal protective equipment, avoid direct contact.

**Emergency Procedures** • No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

### Environmental precautions

- Avoid run off to waterways and sewers.

### Methods and material for containment and cleaning up

**Containment/Clean-up Measures** • Sweep or scoop up spills, dispose of any unusable material in approved landfill.

## Section 7 - Handling and Storage

### Precautions for safe handling

**Handling** • Avoid contact with skin, eyes, and clothing.

### Conditions for safe storage, including any incompatibilities

**Storage** • Store in cool, dry area, inaccessible to children. Do not store near or with hazardous or toxic substances.

**Incompatible Materials or Ignition Sources** • Do not store near hazardous or toxic substances.

### Other Information

- See product label for additional information.

## Section 8 - Exposure Controls/Personal Protection

### Control parameters

### Exposure controls

**Engineering Measures/Controls** • No data available

### Personal Protective Equipment

#### Pictograms



#### Respiratory

- Not required with normal use.

#### Eye/Face

- Wear safety glasses.

#### Hands

- Wear appropriate gloves.

#### Skin/Body

- If prolonged exposure is anticipated, it is recommended for handlers to wear

- appropriate clothing to prevent skin contact.
- General Industrial Hygiene Considerations**
- Handle in accordance with good industrial hygiene and safety practice.
- Environmental Exposure Controls**
- No data available
- Other Information**
- See product label for additional information.

## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

<b>Material Description</b>			
Physical Form	Solid	Appearance/Description	Dark tan solid block.
Color	Dark tan.	Odor	Molasses
Odor Threshold	No data available		
<b>General Properties</b>			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	No data available	Bulk Density	2.17 g/ml (135 lb/ft <sup>3</sup> )
Water Solubility	No data available	Viscosity	Not relevant
<b>Volatility</b>			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
<b>Flammability</b>			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Heat of Combustion ( $\Delta H_c$ )	No data available
Flammability (solid, gas)	No data available		
<b>Environmental</b>			
Octanol/Water Partition coefficient	No data available		

## Section 10: Stability and Reactivity

### Reactivity

- Non-reactive under normal handling and storage conditions.

### Chemical stability

- Stable

### Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### Conditions to avoid

- No data available.

### Incompatible materials

- No data available.

### Hazardous decomposition products

- No data available.

## Section 11 - Toxicological Information

### Information on toxicological effects

	CAS	
RF2002 Block	NDA	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • >5050 mg/kg; Skin-Rabbit LD50 • >5050 mg/kg; <b>Irritation:</b> Eye-Rabbit • Moderate irritation; Skin-Rabbit • Mild irritation

GHS Properties	Classification
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Eye Irritation 2A
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met

### Potential Health Effects

#### Inhalation

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available

#### Skin

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available.

#### Eye

- Acute (Immediate)** • Causes serious eye irritation.
- Chronic (Delayed)** • No data available

#### Ingestion

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available

#### Other

- Chronic (Delayed)** • No data available.

#### Mutagenic Effects

- Methoprene has been tested and found negative for mutagenicity potential.

#### Carcinogenic Effects

- Methoprene is not classified as carcinogen by NTP, IARC and OSHA.

#### Reproductive Effects

- Methoprene is not a teratogenic compound. The NOEL for maternal and embryotoxicity in rabbits was 200 mg/kg/day. The NOEL for reproductive effects in rats was 500 ppm.

## Section 12 - Ecological Information

### Toxicity

Components		
(s)-Methoprene (0.01%)	65733-16-6	<b>Aquatic Toxicity-Fish:</b> 96 Hour(s) LC50 Rainbow trout 0.76 mg/L [Acute] 96 Hour(s) LC50 Blue gill >0.37 mg/L [Acute] NOEC Fathead minnow 0.048 mg/L [Chronic] <b>Aquatic Toxicity-Crustacea:</b> NOEC Mysid Shrimp 0.014 mg/L [Chronic] Daphnia magna 48 Hour(s) LC50 Daphnia magna 0.36 mg/L [Acute]

### Persistence and degradability

- Methoprene degrades rapidly in sunlight, both in water and on inert surfaces. The pesticide also is metabolized rapidly in soil and does not leach. Thus, it should not persist in soil or contaminate ground water.

### Bioaccumulative potential

- No data available

### Mobility in Soil

- (s)-Methoprene: 10-14 days, rapidly hydrolyzed in soil.

### Other adverse effects

- No data available.

### Potential Environmental Effects

- No data available.

## Section 13 - Disposal Considerations

### Waste treatment methods

#### Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

#### Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Do not reuse or refill container. Nonrefillable container. See product label for disposal instructions.

## Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable

#### Special precautions for user

- None specified.

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- No data available

#### Other information

IMO/IMDG • No data available

IATA/ICAO • No data available

## Section 15 - Regulatory Information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • None

### FIFRA – Pesticide Labeling

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

#### CAUTION

**Hazard Statements** • KEEP OUT OF REACH OF CHILDREN

#### Precautionary Statements •

**Hazards to Humans and Domestic Animals** • This product contains high levels of copper. Consumption of this product by sheep or goats could result in copper toxicity.

**Environmental Hazards** • Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

## Section 16 - Other Information

**Revision Date** • 21/October/2015

**Last Revision Date** • 21/October/2015

**Preparation Date** • 21/October/2015

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