

# SAFETY DATA SHEET

This document has been prepared to meet the requirements of the U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200, the EU Directive, 91/155/EEC and other regulatory requirements.

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety and environmental information as defined by OSHA for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use. Whereas product labeling provides information specifically for product use as required under FIFRA 25b(2).

**Issuing Date** 13 Aug 2015

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**Revision Number** 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** EcoZAP Activator

### Other means of identification

**Synonyms** KPA009  
Item # 10112

### Recommended use of the chemical and restrictions on use

**Recommended Use** Natural Synergist

**Uses advised against** No information available

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

**Supplier Name** KP Botanical Controls LLC  
**Supplier Address** 400 N. New York Ave., Ste. 200  
Winter Park, FL 32790, USA  
**Supplier Phone Number** Phone: (407) 682-6500  
Fax: (407) 682-6504  
**Supplier Email** sbessette@keyplex.com  
**Emergency telephone number** Info Trac Chemical Response System  
800-535-5053 (24 hours)

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

eye irritation	Category 2A
Skin sensitization	Category 2

### GHS Label elements, including precautionary statements

#### Emergency Overview

**Signal word** Danger

**Hazard Statements**

May cause eye irritation  
May cause an allergic skin reaction  
May cause respiratory irritation. May cause drowsiness or dizziness

**Appearance** Colorless**Physical State** Liquid**Odor** Wintergreen**Precautionary Statements - Prevention**

Avoid breathing fumes/gas/mist/vapors/spray  
Keep away from flames and hot surfaces - no smoking  
Use only outdoors or in a well-ventilated area  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Do not spray on an open flame or other ignition source

**Precautionary Statements - Response**

Specific treatment (see supplemental first aid instructions on this label)

**Skin**

IF ON SKIN: Wash with plenty of soap and water  
If skin irritation or rash occurs: Get medical advice/attention

**Inhalation**

IF INHALED: Move exposed person to fresh air and keep at rest in a position comfortable for breathing

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
Store locked up  
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

Not applicable

**Other information**

May cause mild skin irritation  
Repeated or prolonged skin contact may cause allergic reactions with susceptible persons  
PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

Specific data regarding toxicity to fish and other aquatic organisms is not available for this product. Care should always be taken to prevent insecticides from entering aquifers.

**Interactions with Other Chemicals**

Irritants. Sensitizers. Epoxies.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight-%	Trade Secret
Rosemary oil	8000-25-7	5.0	-
Peppermint oil	8006-90-4	2.0	-
Thyme oil	8007-46-3	2.0	-
Clove oil	8000-34-8	2.0	-
Geraniol	106-21-4	5.0	-
Cinnamon oil	8015-91-6	0.5	-
Sesame oil	8008-74-0	0.5	-
Isopropyl myristate, butyl lactate, polyglyceryl oleate, isopropyl alcohol	-	-	To 100%

**4. FIRST AID MEASURES****First aid measures****General Advice**

Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

If symptoms persist, call a physician

**Skin Contact**

Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. May cause an allergic skin reaction.

**Inhalation**

Remove to fresh air.

**Ingestion**

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

**Self-protection of the first aider**

Ensure that medical personnel are aware of the material(s) involved.

**Most important symptoms and effects, both acute and delayed****Most Important Symptoms and Effects**

Itching. Rashes. Hives.

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

**Notes to Physician**

Treat symptomatically. May cause sensitization of susceptible persons.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

**Unsuitable Extinguishing Media**

CAUTION: Use of water spray when fighting fire may be inefficient. Do not use dry chemical extinguishers to control fires involving nitromethane or nitroethane. Do not use straight streams.

**Specific Hazards Arising from the Chemical**

Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard.

**Uniform Fire Code**

Sensitizer: Liquid

**Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** No.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

**Other Information**

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

**Environmental Precautions****Environmental Precautions**

Refer to protective measures listed in Sections 7 and 8.

**Methods and material for containment and cleaning up****Methods for Containment**

A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

**Methods for cleaning up**

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with eyes. Keep away from open flames, hot surfaces and sources of ignition.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

**Incompatible Products** Strong oxidizing agents. Acids. Chlorinated compounds.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Other Exposure Guidelines** See section 15 for national exposure control parameters

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

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

**Eye/Face Protection** Persons applying this product should wear:  
• Protective eyewear

**Skin and Body Protection** Persons applying this product should wear:  
• Long sleeve shirts and long pants, shoes and socks  
• Chemical resistant gloves made of neoprene, nitrile or natural rubber.

**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<b>Physical State</b>	Liquid spray	<b>Odor</b>	Wintergreen
<b>Appearance</b>	Colorless	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks/ Method</u></b>	
<b>pH</b>	N/A	None known	
<b>Melting / freezing point</b>	No data available	None known	
<b>Boiling point / boiling range</b>	No data available	None known	
<b>Flash Point</b>	No data available	None known	
<b>Evaporation Rate</b>	No data available	None known	
<b>Flammability (solid, gas)</b>	No data available	None known	
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit</b>	No data available		
<b>Lower flammability limit</b>	No data available		
<b>Vapor pressure</b>	No data available	None known	
<b>Vapor density</b>	No data available	None known	
<b>Specific Gravity</b>	0.91 g/mL	None known	
<b>Water Solubility</b>	Emulsifies in water	None known	
<b>Solubility in other solvents</b>	No data available	None known	
<b>Partition coefficient: n-octanol/water</b>	No data available	None known	
<b>Autoignition temperature</b>	No data available	None known	
<b>Decomposition Temperature</b>	No data available	None known	
<b>Kinematic viscosity</b>	No data available	None known	
<b>Dynamic viscosity</b>	No data available	None known	
<b>Explosive properties</b>	No data available		
<b>Oxidizing Properties</b>	No data available		

**Other Information**

<b>Softening Point</b>	No data available
<b>VOC Content (%)</b>	No data available
<b>Particle Size</b>	No data available
<b>Particle Size Distribution</b>	No data available

**10. STABILITY AND REACTIVITY****Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

Strong oxidizing agents. Acids. Chlorinated compounds.

**Hazardous Decomposition Products**

Carbon oxides.

**11. TOXICOLOGICAL INFORMATION**

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**Information on likely routes of exposure**

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information.
<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye Contact</b>	Specific test data for the substance or mixture is not available. Irritating to eyes. Expected to be an irritant based on components. May cause redness, itching, and temporary eye irritation.
<b>Skin Contact</b>	Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Component Information****Information on toxicological effects**

**Symptoms** May cause redness and tearing of the eyes. Itching. Rashes. Hives.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	May cause sensitization of susceptible persons. May cause sensitization by skin contact. May cause sensitization by inhalation.
<b>Mutagenic Effects</b>	No information available.
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic Toxicity</b>	No known effect based on information supplied.
<b>Target Organ Effects</b>	Eyes. Skin. Respiratory system.
<b>Aspiration Hazard</b>	No information available.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Specific data regarding toxicity to fish and other aquatic organisms is not available for this product. Care should always be taken to prevent insecticides from entering aquifers.

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available

**Other adverse effects**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements. Should not be released into the environment. Dispose of contents/containers in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated Packaging**

Dispose of contents/containers in accordance with local regulations.

**US EPA Waste Number**

D001

**California Hazardous Waste Codes 232**

This product contains one or more substances that are listed with the State of California as a hazardous waste.

<b>Chemical Name</b>	<b>California Hazardous Waste</b>
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**14. TRANSPORT INFORMATION**

**DOT**

UN number: 1993 Class: 3 Packing group: III  
 Proper shipping name: Flammable liquids, n.o.s. (Rosemary absolute)  
 Marine pollutant: No  
 Poison Inhalation Hazard: Not REGULATED

**TDG**

Not regulated

**MEX**

Not regulated

**ICAO**

Not regulated

**IATA**

UN number: 1993 Class: 3 Packing group: III



<b><u>IMDG/IMO</u></b>	UN number: 1993 Class: 3 Packing group: III EMS-No: F-E, S-E Marine pollutant: Not regulated
<b><u>RID</u></b>	Not regulated
<b><u>ADR</u></b>	Not regulated
<b><u>ADN</u></b>	Not regulated

## 15. REGULATORY INFORMATION

### **International Inventories**

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

#### **U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations.

### **International Regulations**

#### **Mexico**

#### **National occupational exposure limits**

#### **Canada**

**WHMIS Hazard Class**

D2B - Toxic materials

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards 1</b>	<b>Flammability 1</b>	<b>Instability 0</b>	<b>Physical and Chemical Hazards - 0</b>
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<b>HMIS</b>	<b>Health Hazards 1</b>	<b>Flammability 1</b>	<b>Physical Hazard 0</b>	<b>Personal Protection X</b>
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<b>Prepared By</b>	KeyPlex Inc. 400 N. New York Ave. Winter Park, FL 32790 (407) 682-6500
<b>Revision Date</b>	10 Mar 2016
<b>Revision Note</b>	No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**