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

Product name . . . . . . . . . . . . : AUGEO® Plant Growth Regulator
EPA Registration No. . . . . . . : 2217-932-59807
Recommended use of the chemical and restriction on use
Recommended use*: . . . . . . : Growth regulator
Uses advised against . . . . . : No information available.
Company information . . . . : OHP, Inc.
PO Box 51230
Mainland, PA 19451
(800) 659-6745

TRANSPORTATION EMERGENCY
(24 hours a day) call . . . . . . : Chemtrec: 1-800-424-9300
MEDICAL EMERGENCY (24 hours a day) and Product Information call . . . . . . : 1-800-356-4647
SDS Information or Request: ohp.com

2. HAZARDS IDENTIFICATION

Classification
OSHA Regulatory Status . . . . : This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

<table>
<thead>
<tr>
<th>Acute toxicity - Dermal</th>
<th>Category 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin sensitization</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

Label elements
Emergency Overview
Danger
Hazard statements . . . . . . . . : Toxic in contact with skin. May cause an allergic skin reaction.

Appearance . . . . . . . . . . : Liquid
Physical state . . . . . . . . : Liquid
Odor . . . . . . . . . . . . . . : Odorless

Precautionary Statements - Prevention
- Wear protective gloves/protective clothing/eye protection/face protection
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Contaminated work clothing should not be allowed out of the workplace
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking
- Keep container tightly closed

Precautionary Statements - Response
- Call a POISON CENTER or doctor/physician if you feel unwell
- Wash contaminated clothing before reuse
- If skin irritation or rash occurs: Get medical advice/attention
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Precautionary Statements - Storage
- Store locked up
- Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal
- Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Have the product label with you when calling a poison control center or doctor or going in for treatment. You may also contact 1-800-356-4647 for emergency medical treatment advice.

The low flash point of this product is due to a minor component in the mixture. Based on independent laboratory testing of similar products, this product would not sustain combustion as specified in DOT Regulation 49 CFR 173 Appendix H; however OSHA HCS 2012 flammable classifications are solely based on tested mixture flash points and boiling points.

Other Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,3:4,6-Bis-O-(1-methylethylidene)-α-L-xyl/2-h exulofuranosonic acid, sodium salt (Dikegulac sodium)</td>
<td>52508-35-7</td>
<td>18.5</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>Proprietary</td>
<td>0-10*</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret
4. FIRST AID MEASURES

First aid measures

General advice: In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If symptoms persist, call a physician.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing.

Skin Contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation: Remove to fresh air. Move to fresh air in case of accidental inhalation of vapors or decomposition products. If symptoms persist, call a physician.

Ingestion: Do NOT induce vomiting. Drink plenty of water. Rinse mouth. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Self-protection of the first aider: Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians: May cause sensitization of susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

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

Specific hazards arising from the chemical

In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Explosion data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

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: Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

Environmental precautions

Environmental precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Ensure adequate ventilation, especially in confined areas. Take precautionary measures against static discharges. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place.

Incompatible materials: None known.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Exposure Guidelines
NIOSH IDLH Immediately Dangerous to Life or Health

Other Information . . . . . . .: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls
Engineering Controls . . . . . .: Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment
Eye/face protection . . . . . .: Tight sealing safety goggles. Face protection shield.
Skin and body protection . . .: Wear protective gloves and protective clothing. Wear long-sleeved shirt, long pants, socks and shoes.
Respiratory protection . . . . .: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene
Considerations. . . . . . . .: When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties
Physical state . . . . . . . . .: Liquid
Appearance . . . . . . . . .: Liquid
Color . . . . . . . . . . . . . . .: Light blue or Brown
Odor . . . . . . . . . . . . . . .: Odorless
Odor threshold . . . . . . . .: No information available

Property
pH . . . . . . . . . . . . .: 9.5
Melting point/ freezing point . . . . . . .: No information available
Boiling point / boiling range . . . . . . .: 100 °C / 212 °F
Flash point . . . . . . . . .: 44 °C / 111 °F
Evaporation rate . . . . . . .: > 1

Flammability (solid, gas) . . . .: No information available
Flammability Limit in Air
Upper flammability limit . . . .: No information available
Lower flammability limit . . . .: No information available
Vapor pressure . . . . . . . .: <17 mm Hg @20°C
Vapor density . . . . . . . .: <1
Specific Gravity . . . . . . .: 1.0951

10. STABILITY AND REACTIVITY

Reactivity . . . . . . . . . .: No data available
Chemical stability . . . . .: Stable.
Possibility of Hazardous Reactions . . . .: None under normal processing.
Hazardous polymerization . . .: Will not occur.
Conditions to avoid . . . . .: Keep from freezing.
Incompatible materials . . . .: None known.
Hazardous Decomposition Products . . . . .: None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure
Product Information
Inhalation . . . . . . . . .: See “Numerical measures of toxicity-product information” in this section.
Eye contact . . . . . . . .: No data available.
Skin Contact . . . . . . . .: See “Numerical measures of toxicity-product information” in this section.
Ingestion . . . . . . . . .: See “Numerical measures of toxicity-product information” in this section.
SAFETY DATA SHEET

AUGEO® PLANT GROWTH REGULATOR

EPA Registration Number: 2217-932-59807

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
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</thead>
<tbody>
<tr>
<td>2,3:4,6-Bis-O-(1-methylethylidene)-alpha-L-xylo-2-hexulofuranosonic acid, sodium salt (Dikegulac sodium) 52508-35-7</td>
<td>= 18 g/kg (Rat)</td>
<td>&gt; 1 g/kg (Rat)</td>
<td>-</td>
</tr>
</tbody>
</table>

Information on toxicological effects

Symptoms . . . . . . . . . . . . . : No information available.
Delayed and immediate effects as well as chronic effects from short and long-term exposure
  Sensitization . . . . . . . . . . . . : No information available.
  Germ cell mutagenicity . . . : No information available.
  Carcinogenicity . . . . . . . . . : No information available.
  Reproductive toxicity . . . . . . . : No information available.
  STOT - single exposure . . . . : No information available.
  STOT - repeated exposure . . . : No information available.
  Chronic toxicity . . . . . . . . . : Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.
Aspiration hazard . . . . . . . . : No information available.
Numerical measures of toxicity - Product Information
  Oral LD50 > 5000 mg/kg body weight
  Dermal LD50 > 1000 mg/kg body weight
  Inhalation LC50 25.24 27.92 mg/L (male rats) (female rats)

12. ECOLOGICAL INFORMATION

Ecotoxicity . . . . . . . . . . . . : Harmful to aquatic life
22% of the mixture consists of components(s) of unknown hazards to the aquatic environment
Persistence and degradability . . . . . . : No information available.
Bioaccumulation . . . . . . . . . : No information available.
Other adverse effects . . . . . : No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
  Disposal of wastes . . . . : Disposal should be in accordance with applicable regional, national and local laws and regulations.
  Contaminated packaging . . : Do not reuse container.

See Section 2: Hazards not otherwise classified (HNOC)

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

14. TRANSPORT INFORMATION

DOT
  Description . . . . . . . . . . . . : The following guidelines apply for domestic ground transport. If shipping by air or ocean, please contact our Transportation Dept.
  Inhibitors, Modifiers, or Regulators, Plant Growth - NMFC #101685
  In our current available sizes, this product does not qualify as a Hazardous Material.

15. REGULATORY INFORMATION

U.S. EPA Label Information
  EPA Pesticide Registration Number . . . . . . : 2217-932-59807
  Federal Insecticide, Fungicide, Rodenticide Act Regulations
  This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

  EPA Pesticide Label . . . . : Caution. Keep out of the reach of children. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing.

International Inventories
  TSCA . . . . . . . . . . . . : Not Listed
  DSL/NDSL . . . . . . . . : Not Listed
  EINECS/ELINCS . . . . . . : Not Listed
  ENCS . . . . . . . . : Not Listed
  IECSC . . . . . . . . : Not Listed
  KECL . . . . . . . . : Not Listed
  PICCS . . . . . . : Not Listed
  AICS . . . . . . : Not Listed

Legend:
  TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
  DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
  EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
  ENCS - Japan Existing and New Chemical Substances
  IECSC - China Inventory of Existing Chemical Substances
SAFETY DATA SHEET

AUGEO® PLANT GROWTH REGULATOR

EPA Registration Number: 2217-932-59807

KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Chemical Name | TSCA/DSL | NDSSL/EINECS | ELINCS/ENCSC | KECL/PICCS | AICS | Trade Secret |
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<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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</tr>
</tbody>
</table>

US Federal Regulations

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any 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: No
Sudden release of pressure hazard: No
Reactive Hazard: No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

US State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

International Regulations

Mexico - Grade: Moderate risk, Grade 2

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