1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 PRODUCT IDENTIFIER: EPA REGISTRATION NO. 34704-910

1.2 RECOMMENDED USE: PLANT GROWTH REGULATOR

1.3 SUPPLIER DETAILS:
LOVELAND PRODUCTS, INC.
P.O. Box 1286 • Greeley, CO 80632-1286

U.S. Coast Guard National Response Center: 1-800-424-8902

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification according to 29 CFR 1910.1200
Acute Toxicity – Dermal: Category 4 – H312
Eye Damage/Irritation: Category 2B – H320

2.2 Label elements

Signal word: WARNING
Hazard Statement: H312 – Harmful in contact with skin.
H320 – Causes eye irritation.

(Prevention): P264 – Wash hands and face thoroughly after handling.

Precautionary Statement: P302+P352: IF ON SKIN: Wash with plenty of water and soap.
P312 – Call a poison center/doctor/physician if you feel unwell.
P321 – Specific treatment (see First Aid on the product label).
P362 – Take of contaminated clothing and wash it before reuse.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 – If eye irritation persists: Get medical advice/attention.

Precautionary Statement: Not required.

Precautionary Statement: P501 – Dispose of contents/container in accordance with all local, state, and federal requirements.

2.3 Other hazards
None known
3. COMPOSITION, INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixtures

Classification according to 29 CFR 1910.1200

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Concentration [%]</th>
</tr>
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<tbody>
<tr>
<td>Cytokinin, as Kinetin</td>
<td>525-79-1</td>
<td>0.5</td>
</tr>
<tr>
<td>*Other ingredients</td>
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<td>99.5</td>
</tr>
</tbody>
</table>

*Ingredients not specifically listed are non-hazardous and are to be considered proprietary or confidential business information per 29 CFR 1910.1200(i)

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: 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. Call a poison control center or doctor for treatment advice.

4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms: Eyes: Causes eye irritation. Skin: Harmful in contact with skin.

4.3 Immediate Medical Attention and Special Treatment

Treatment: Treat symptomatically. Symptoms may be delayed.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565

Take container, label or product name with you when seeking medical attention.

NOTES TO PHYSICIAN: Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Dry chemical, carbon dioxide (CO₂), alcohol foam, foam, water spray or fog.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: During a fire, hazardous by-products can be released.

5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special Protective Equipment for Firefighters: Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.
6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions: Avoid inhalation of vapors and spray mist and contact with skin and eyes. Ensure adequate ventilation. Wear suitable protective clothing.

6.2 ENVIRONMENTAL PRECAUTIONS

Environmental Precautions: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

Methods for Clean-Up: Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. After removal flush contaminated area thoroughly with water.
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to Remove residual contamination.
Never return spills to original containers for re-use.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Advice on Safe Handling: Avoid inhalation of mists, vapors / spray and contact with eyes, skin and clothing. Do not breathe mists or vapor. Wear personal protective equipment. Do not use in areas without adequate ventilation. Avoid prolonged exposure. Wash thoroughly after handling. Do not empty into drains.
Handle and open container with care. Use care in handling/storage. Wash before eating, drinking and/or smoking.

7.2 CONDITIONS FOR SAFE STORAGE:

Requirements for Storage Areas and Containers: Protect from freezing. Store out of direct sunlight. Store in a cool, dry, place in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Handle and open container in a manner as to prevent spillage. If the container is leaking, invert to prevent leakage. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

OCCUPATIONAL EXPOSURE LIMITS

U.S. Workplace Exposure Level (ACGIH) TLVs

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
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U.S. Workplace Exposure Level (OSHA) PELs

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>No data available.</td>
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</table>

Biological limit values

ACGIH Biological Exposure Indices

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Specimen</th>
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</thead>
<tbody>
<tr>
<td>No listings</td>
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</tr>
</tbody>
</table>

8.2 EXPOSURE CONTROLS:

Engineering Measures

Provide adequate general and local exhaust ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors and spray mists.

Individual Protection Measures:

Eye / Face Protection: Goggles or shielded safety glasses are recommended.
Skin Protection: Long-sleeved shirt and long pants. Shoes plus socks.
Respiratory Protection: In case of inadequate ventilation or risk of inhalation of mists or vapors, use suitable respiratory equipment such as MSHA/NIOSH TC-21C or NIOSH approved respirator with N, R, P or HE filter. Wear respiratory protection during operations where spraying or misting occurs. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection standard. Wear air supplied respiratory protection if exposure concentrations are unknown.
9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE:
Liquid

ODOR:
Negligible.

ODOR THRESHOLD:
No data available.

COLOR:
Colorless.

pH:
3.7 (1% solution) @ 25 °C

MELTING POINT / FREEZING POINT:
Freezing point: < 32 °F (< 0 °C)

BOILING POINT:
212 °F (100 °C)

FLASH POINT:
Does not flash.

FLAMMABILITY (solid, gas):
No data available.

UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:
No data available.

VAPOR PRESSURE:
No data available.

SOLUBILITY:
Soluble

PARTITION CO-EFFICIENT, n-OCTANOL / WATER:
No data available.

AUTO-IGNITION TEMPERATURE:
No data available.

DECOMPOSITION TEMPERATURE:
No data available.

VISCOSITY:
No data available.

SPECIFIC GRAVITY (Water = 1):
0.996 g/ml

DENSITY:
8.31 lbs./gal / 1.0 kg/L

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

10.1 REACTIVITY
Stable

10.2 CHEMICAL STABILITY
Stable under normal temperature conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS
No data available. Will not polymerize.

10.4 CONDITIONS TO AVOID
No data available.

10.5 INCOMPATIBLE MATERIALS
Strong oxidizers.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS
No data available.

11 TOXICOLOGICAL INFORMATION

11.3 LIKELY ROUTES OF EXPOSURE
Eye contact. Skin.

LC50 (rat):
> 2.09 mg/L

LD50 Oral (rat):
> 5,000 mg/kg

LD50 Dermal (rat):
> 2,000 mg/kg

Acute Toxicity Estimates:
No data available

Skin irritation (rabbit):
Non-irritating.

Eye irritation (rabbit):
Causes eye irritation

Specific Target Organ Toxicity:
Single exposure: No data available.

Aspiration:
No data available.

Skin Sensitization (guinea pig):
Not a sensitizer

Carcinogenicity:
No data available

Germ Cell Mutagenicity:
No data available

Interactive Effects:
None known
12 ECOLOGICAL INFORMATION

12.3 ECOTOXICITY
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. This product is not intended for use in aquatic settings.

Ecotoxicological Data

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
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</thead>
<tbody>
<tr>
<td>No data available.</td>
<td></td>
</tr>
</tbody>
</table>

Drift or runoff may adversely affect non-target plants.
Do not apply directly to water.
Do not contaminate water when disposing of equipment wash water.
Do not apply when weather conditions favor drift from target area.

12.2 PERSISTENCE AND DEGRADABILITY
Biodegradability: No data available

12.3 BIOACCUMULATIVE POTENTIAL
Bioaccumulation: No data available.

12.4 MOBILITY IN SOIL
No data available.

12.5 OTHER ADVERSE EFFECTS
Assessment: No data available.

13 DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS
Wastes may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent), adding rinse water to spray tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at http://www.acrecycle.org/. Do not contaminate water, food or feed by storage or disposal.

14 TRANSPORT INFORMATION

14.3 LAND TRANSPORT
DOT Shipping Description: NOT REGULATED BY USDOT
U.S. Surface Freight Classification: INHIBITORS, MODIFIERS OR REGULATORS, PLANT GROWTH (NMFC 101685; CLASS: 65)

15 REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

<table>
<thead>
<tr>
<th>NFPA &amp; HMIS Hazard Ratings:</th>
<th>NFPA</th>
<th>HMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Health</td>
<td>0 Least</td>
<td>1 Health</td>
</tr>
<tr>
<td>0 Flammability</td>
<td>1 Slight</td>
<td>0 Flammability</td>
</tr>
<tr>
<td>0 Instability</td>
<td>2 Moderate</td>
<td>0 Reactivity</td>
</tr>
<tr>
<td>3 High</td>
<td>B</td>
<td>PPE</td>
</tr>
<tr>
<td>4 Severe</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SARA Hazard Notification/Reporting

<table>
<thead>
<tr>
<th>SARA Title III Hazard Category:</th>
<th>Immediate</th>
<th>Fire</th>
<th>Sudden Release of Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>

Reportable Quantity (RQ) under U.S. CERCLA: Not listed.
SARA, Title III, Section 313: Not listed.
RCRA Waste Code: Not listed.
CA Proposition 65: Not applicable
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. Following is the hazard information as required on the pesticide label:

CAUTION
Harmful if absorbed through skin.
Causes moderate eye irritation.
Avoid contact with eyes, skin, or clothing.
Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

16 OTHER INFORMATION

SDS STATUS: Format revised.
PREPARED BY: Registrations and Regulatory Affairs
REVIEWED BY: Environmental Health and Safety

EPA REG. NO.: 34704-910

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