1. PRODUCT IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>CAMIX</th>
<th>CAS No.: 104206-82-8</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA Signal Word:</td>
<td>Warning</td>
<td></td>
</tr>
<tr>
<td>Product No.:</td>
<td>A12909E</td>
<td></td>
</tr>
<tr>
<td>Active Ingredient(%):</td>
<td>Mesotrine (3.68%)</td>
<td></td>
</tr>
<tr>
<td>Chemical Name:</td>
<td>2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione</td>
<td></td>
</tr>
<tr>
<td>Chemical Class:</td>
<td>Benzoylcyclohexanedione Herbicide</td>
<td></td>
</tr>
<tr>
<td>Active Ingredient(%):</td>
<td>s-Metolachlor (36.8%)</td>
<td></td>
</tr>
<tr>
<td>Chemical Name:</td>
<td>Acetamide, 2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)-(S)</td>
<td></td>
</tr>
<tr>
<td>Chemical Class:</td>
<td>Chloroacetanilide Herbicide</td>
<td></td>
</tr>
<tr>
<td>EPA Registration Number(s):</td>
<td>100-1148</td>
<td></td>
</tr>
</tbody>
</table>

2. HAZARDS IDENTIFICATION

Health and Environmental
- Harmful if inhaled. Irritating to eyes and skin. May cause an allergic skin reaction.

Hazardous Decomposition Products
- None known.

Physical Properties
- Appearance: Pale green to green liquid
- Odor: Weak aromatic

Unusual Fire, Explosion and Reactivity Hazards
- Flammable hydrogen gas may be formed on contact with incompatible metals. See "Conditions to Avoid", Section 10.
- During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Material</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other</th>
<th>NTP/IARC/OSHA Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic Acid (&lt; 5%)</td>
<td>10 ppm TWA</td>
<td>10 ppm TWA; 15 ppm STEL</td>
<td>10 ppm TWA **</td>
<td>No</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>Not Established</td>
<td>Not Established</td>
<td>10 mg/m³ TWA ****</td>
<td>No</td>
</tr>
<tr>
<td>Benoxacor (1.8%)</td>
<td>Not Established</td>
<td>Not Established</td>
<td>1 mg/m³ TWA ***</td>
<td>No</td>
</tr>
<tr>
<td>s-Metolachlor (36.8%)</td>
<td>Not Established</td>
<td>Not Established</td>
<td>10 mg/m³ TWA ***</td>
<td>No</td>
</tr>
<tr>
<td>Mesotrione (3.68%)</td>
<td>Not Established</td>
<td>Not Established</td>
<td>10 mg/m³ TWA ***</td>
<td>No</td>
</tr>
</tbody>
</table>

** recommended by NIOSH
**** Syngenta Occupational Exposure Limit (OEL)
***** Recommended by AIHA (American Industrial Hygiene Association)
4. FIRST AID MEASURES

Have the product container, label or Material Safety Data Sheet with you when calling Syngenta (800-888-8372), a poison control center or doctor, or going for treatment.

Ingestion: If swallowed: Call Syngenta (800-888-8372), a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so after calling 800-888-8372 or by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Eye Contact: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.

Skin Contact: If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.

Inhalation: If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call Syngenta (800-888-8372), a poison control center or doctor for further treatment advice.

Notes to Physician

Medical Condition Likely to be Aggravated by Exposure

None known.

5. FIRE FIGHTING MEASURES

Fire and Explosion

Flammable Limits (% in Air): Lower: Not Applicable Upper: Not Applicable

Flammable Limits (% in Air): Lower: Not Applicable

Autoignition Temperature: Not Available

Flammability: Not Applicable

Unusual Fire, Explosion and Reactivity Hazards

Flammable hydrogen gas may be formed on contact with incompatible metals. See "Conditions to Avoid", Section 10.

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

In Case of Fire

Use dry chemical, foam or CO2 extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions in Protective Equipment Section. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.
7. HANDLING AND STORAGE

Spray solutions of this product should be mixed, stored and applied using only plastic, plastic-lined steel, stainless steel or fiberglass containers. Concentrate should not be stored in mild steel, cast iron or aluminum containers.

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Ingestion: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Eye Contact: Where eye contact is likely, use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Skin Contact: Where contact is likely, wear chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride [PVC] or Viton), coveralls, socks and chemical-resistant footwear.

Inhalation: A respirator is not normally required when handling this substance. Use effective engineering controls to comply with occupational exposure limits.

In case of emergency spills, use a NIOSH approved respirator with any N, R, P or HE filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Pale green to green liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Weak aromatic</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not Available</td>
</tr>
<tr>
<td>Specific Gravity/Density</td>
<td>1.07 - 1.11 g/cm³ @ 68°F (20°C)</td>
</tr>
<tr>
<td>pH</td>
<td>5 - 7 (1% solution in H2O @ 77°F (25°C))</td>
</tr>
<tr>
<td>Solubility in H2O</td>
<td></td>
</tr>
<tr>
<td>Mesotrione</td>
<td>160mg/l @ 68°F (20°C) (99.7% pure)</td>
</tr>
<tr>
<td>s-Metolachlor</td>
<td>0.48g/l @ 77°F (25°C)</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td></td>
</tr>
<tr>
<td>Mesotrione</td>
<td>&lt; 4.3 x 10^-8 mmHg @ 68°F (20°C)</td>
</tr>
<tr>
<td>s-Metolachlor</td>
<td>2.8 x 10^-5 mmHg @ 77°F (25°C)</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Stable under normal use and storage conditions.</td>
</tr>
<tr>
<td>Hazardous Polymerization</td>
<td>Will not occur.</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>Concentrate should not be stored in mild steel, cast iron or aluminum containers. Spray solutions should not be mixed, stored or applied in containers other than plastic, plastic-lined steel, stainless steel or fiberglass.</td>
</tr>
<tr>
<td>Materials to Avoid</td>
<td>See &quot;Conditions to Avoid&quot;, Section 10</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>None known.</td>
</tr>
</tbody>
</table>

11. TOXICOLOGICAL INFORMATION
Acute Toxicity/Irritation Studies (Finished Product)

Ingestion: Oral (LD50 Rabbit) : > 5050 mg/kg body weight
Dermal: Dermal (LD50 Rabbit) : > 5050 mg/kg body weight
Inhalation: Inhalation (LC50 Rat) : > 2.72 mg/l air - 4 hours
Eye Contact: Moderately Irritating (Rabbit)
Skin Contact: Slightly Irritating (Rabbit)
Skin Sensitization: Sensitizing (Guinea Pig)

Reproductive/Developmental Effects
Mesotrione : Not mutagenic. Not a reproductive hazard.
s-Metolachlor: None observed.

Chronic/Subchronic Toxicity Studies
Mesotrione : Animal studies showed evidence of reduced bodyweight gain, increased liver and kidney weights, blood effects (polycythemia, reduced white blood cell count) and eye effects (cataract formation, keratitis).
No known neurotoxic effects based on animal studies.
s-Metolachlor: None observed.

Carcinogenicity
Mesotrione : Not carcinogenic in animal studies.
s-Metolachlor: Benign liver tumors at high dose levels (female rats).

Other Toxicity Information
None

Toxicity of Other Components
Acetic Acid (< 5%)
Exposure results in dermatitis, chronic inflammation of upper respiratory tract and chronic bronchitis, with erosion of exposed teeth.
Benoxacor (1.8%)
Test results reported in Section 11 for the final product take into account any acute hazards related to the benoxacor in the formulation.

Propylene Glycol
Test results reported in Section 11 for the final product take into account any acute hazards related to the propylene glycol in the formulation.
Reported to cause central nervous system depression (anesthesia, dizziness, confusion), headache and nausea. Chronic dietary exposure caused kidney and liver injury in experimental animals.

Target Organs
Active Ingredients
Mesotrione : Eye
s-Metolachlor: Liver
Inert Ingredients
Acetic Acid: Skin, respiratory tract
Benoxacor: Not Applicable
Propylene Glycol: CNS, kidney, liver

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects
s-Metolachlor:
   Fish (Rainbow Trout) 96-hour LC50 11.9 ppm
   Green Algae 5-day EC50 0.008 ppm
   Bird (Bobwhite Quail) LD50 Oral > 2510 mg/kg
   Invertebrate (Water Flea) 48-hour EC50 26 ppm

Mesotrione:
   Fish (Rainbow Trout) 96-hour LC50 > 114 ppm
   Green Algae 5-day EC50 1.9 ppm
   Invertebrate (Water Flea) Daphnia Magna 48-hour EC50 840 ppm
   Bird (Bobwhite Quail) 14-day LD50 > 2000 mg/kg

Environmental Fate
   Mesotrione:
      The information presented here is for the active ingredient, mesotrione.

   s-Metolachlor:
      The information presented here is for the active ingredient, s-metolachlor.

13. DISPOSAL CONSIDERATIONS

Disposal
   Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.
   Characteristic Waste: Not Applicable
   Listed Waste: Not Applicable

14. TRANSPORT INFORMATION

DOT Classification
   Ground Transport - NAFTA
   Not regulated.

B/L Freight Classification
   Herbicides, NOI, Not Regulated

Comments
   Water Transport - International
   Proper Shipping Name: Environmentally Hazardous Substance, Liquid, n.o.s. (s-metolachlor), Marine Pollutant
   Hazard Class or Division: Class 9
   Identification Number: UN 3082
   Packing Group: PG III

Air Transportation: (IATA) - International
   Not regulated.

15. REGULATORY INFORMATION

EPCRA SARA Title III Classification
   Section 311/312 Hazard Classes: Acute Health Hazard
                                      Chronic Health Hazard

Product Name: CAMIX
California Proposition 65  
Not Applicable

CERCLA/SARA 302 Reportable Quantity (RQ)  
Report product spills > 76,000 gal. (based on acetic acid [RQ = 5,000 lbs.] content in the formulation)

RCRA Hazardous Waste Classification (40 CFR 261)  
Not Applicable

TSCA Status  
Exempt from TSCA, subject to FIFRA

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA Hazard Ratings</th>
<th>HMIS Hazard Ratings</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health:</td>
<td>2</td>
<td>0 Minimal</td>
</tr>
<tr>
<td>Flammability:</td>
<td>1</td>
<td>1 Slight</td>
</tr>
<tr>
<td>Instability:</td>
<td>0</td>
<td>2 Moderate</td>
</tr>
</tbody>
</table>

For non-emergency questions about this product call:  
1-800-334-9481

Original Issued Date:  6/26/2002  
Revision Date:  12/2/2009  
Replaces:  8/28/2006

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End of MSDS