1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Trade name : EARTH OPTIONS BY RAID® - HOUSE & GARDEN INSECT KILLER

Use of the Substance/Mixture : Insecticide

Company : S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

Emergency telephone : 24 Hour Transport & Medical Emergency Phone (866) 231-5406
24 Hour International Emergency Phone (952) 852-4647

2. HAZARDS IDENTIFICATION

Emergency Overview
Appearance / Odor : gold / liquid / mild

Immediate Concerns : Caution
Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.

Potential Health Effects
Exposure routes : Eye, Skin, Inhalation, Ingestion.

Eyes : May cause:
Mild eye irritation

Skin : Harmful if absorbed through skin.
May cause skin irritation.
May cause skin reactions in rare cases.

Inhalation : May cause nose, throat, and lung irritation.

Ingestion : Harmful if swallowed.

Aggravated Medical Condition : Persons with pre-existing skin disorders may be more susceptible to irritating effects.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Weight percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>60.00 - 100.00</td>
</tr>
<tr>
<td>Piperonyl butoxide</td>
<td>51-03-6</td>
<td>0.20</td>
</tr>
<tr>
<td>Pyrethrins</td>
<td>8003-34-7</td>
<td>0.02</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Eye contact : Flush immediately with plenty of water for at least 15 to 20 minutes. Remove contact lenses. Get medical attention immediately.

Skin contact : Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention immediately.

Inhalation : Remove to fresh air. Get medical attention immediately. If not breathing, give artificial respiration.

Ingestion : DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water, Foam, Carbon dioxide (CO2)

Specific hazards during fire fighting : Container may melt and leak in heat of fire.

Further information : Wear full protective clothing and positive pressure self-contained breathing apparatus.

Flash point : 94 °C

Flash point : 201 °F

Lower explosion limit : Note: no data available

Upper explosion limit : Note: no data available
6. ACCIDENTAL RELEASE MEASURES

   Environmental precautions : Use appropriate containment to avoid environmental contamination.

   Methods for cleaning up : Soak up with inert absorbent material.
                            Dike large spills.
                            Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

   Handling
   Advice on safe handling : Use only as directed.
                            KEEP OUT OF REACH OF CHILDREN AND PETS.
                            Avoid contact with skin, eyes and clothing.
                            Avoid breathing vapors, mist or gas.

   Storage
   Requirements for storage areas and containers : Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

   Occupational Exposure Limits
   ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

   Personal protective equipment

   Respiratory protection
   Industrial setting : Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.

   Household setting : No personal respiratory protective equipment normally required.

   Hand protection
   Industrial setting : For prolonged or repeated contact use protective gloves.

   Household setting : For prolonged or repeated contact use protective gloves.

   Eye protection
Industrial setting: If prolonged or repeated contact is possible:
Safety glasses with side-shields

Household setting: No special requirements.

**Hygiene measures**
Use only with adequate ventilation. Wash thoroughly after handling. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Keep away from food, drink and animal feedingstuffs.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

- **Form**: liquid
- **Color**: gold
- **Odor**: mild
- **pH**: no data available
- **Boiling point**: no data available
- **Freezing point**: no data available
- **Flash point**: 94 °C
- **Flash point**: 201 °F
- **Evaporation rate**: no data available
- **Autoignition temperature**: no data available
- **Lower explosion limit**: no data available
- **Upper explosion limit**: no data available
- **Density**: > 1 g/cm³
- **Water solubility**: dispersible
- **Volatile Organic Compounds (California Air Resource Board – CARB)**
  Total VOC (wt. %): 0 % - does not include any applicable regulatory exemptions
10. STABILITY AND REACTIVITY

- Conditions to avoid: Direct sources of heat.
- Materials to avoid: Strong acids and strong bases, Strong oxidizing agents.
- Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapours.
- Hazardous reactions: Stable

11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity: LD50 Measured > 2,000 mg/kg
- Acute inhalation toxicity: LC50 Measured > 2.03 mg/l
- Acute dermal toxicity: LD50 Measured > 2,000 mg/kg

Chronic effects
- Carcinogenicity: no data available
- Mutagenicity: no data available
- Reproductive effects: no data available
- Teratogenicity: no data available
- Sensitisation: Not known to be a sensitizer.
12. ECOLOGICAL INFORMATION

Ecotoxicity effects: Harmful to aquatic organisms. Very toxic to bees.

13. DISPOSAL CONSIDERATIONS

Industrial setting: PESTICIDAL WASTE: Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding disposal.

Household setting: Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

Land transport
- U.S. DOT and Canadian TDG Surface Transportation:
  UN-Number: 3082
  Proper shipping name: Environmentally hazardous substance, n.o.s.
  Class: 9
  Packaging group: III

  Note: SC Johnson ships this product as Consumer Commodity ORM-D (non-bulk packages)

Sea transport
- IMDG:
  Class: 9
  Packaging group: III
  Proper shipping name: Environmentally hazardous substance, n.o.s.
  UN-Number: 3082

Air transport
- ICAO/IATA:
  Class: 9
  Packaging group: III
  Proper shipping name: Environmentally hazardous substance, n.o.s.
  UN/ID No.: UN 3082

  Note: SC Johnson typically does not ship products via air, therefore it has not been determined if the product container meets current
IATA/ICAO package criteria. Refer to IATA/ICAO Dangerous Goods Regulations for detailed instructions when shipping this item by air.

15. REGULATORY INFORMATION

Notification status: All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

California Prop. 65: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

Registration # / Agency
4822-563/EPA

16. OTHER INFORMATION

HMIS Ratings

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
</tbody>
</table>

NFPA Ratings

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Fire</td>
<td>1</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
<tr>
<td>Special</td>
<td></td>
</tr>
</tbody>
</table>

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by: SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
**Material Safety Data Sheet**

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200

---

### EARTH OPTIONS BY RAID® - HOUSE & GARDEN INSECT KILLER

**Version**  1.1  
**Revision Date**  10/20/2009  
**Print Date**  03/04/2011  
**MSDS Number**  350000012540  
**SITE_FORM Number**  30000000000000009910.001