1. PRODUCT AND COMPANY IDENTIFICATION

Product information
Trade name : EARTH OPTIONS BY RAID® - GRASS & WEED 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 : clear / liquid / mild
Immediate Concerns : Caution
CAUSES EYE IRRITATION.
COMBUSTIBLE:
Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas. Keep away from heat, sparks and flame.

Potential Health Effects
Exposure routes : Eye, Skin, Inhalation, Ingestion.
Eyes : May cause:
Moderate eye irritation
Skin : May cause skin irritation.
Inhalation : Harmful if inhaled.
May cause nose, throat, and lung irritation.
Ingestion : May cause irritation to mouth, throat and stomach.
Aggravated Medical Condition : Persons with pre-existing skin disorders may be more susceptible to irritating effects., Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc. 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>Isopropanol</td>
<td>67-63-0</td>
<td>1.00 - 5.00</td>
</tr>
<tr>
<td>Ammoniated soaps of fatty acids</td>
<td>Mixture</td>
<td>1.00 - 5.00</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**: Wash off with soap and water. Get medical attention if irritation develops and persists.
- **Inhalation**: Remove to fresh air. Get medical attention immediately. If not breathing, give artificial respiration.
- **Ingestion**: Do NOT induce vomiting. Drink 1 or 2 glasses of water. 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**: estimated 130 °F
- **Lower explosion limit**: Note: no data available
- **Upper explosion limit**: Note: no data available

6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions**: Remove all sources of ignition.
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.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded.

Storage
Requirements for storage areas and containers : Keep in a dry, cool and well-ventilated place. Do not freeze.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>mg/m3</th>
<th>ppm</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>-</td>
<td>400 ppm</td>
<td>ACGIH STEL</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>-</td>
<td>200 ppm</td>
<td>ACGIH TWA</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>980 mg/m3</td>
<td>400 ppm</td>
<td>OSHA TWA</td>
</tr>
</tbody>
</table>

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
Hand protection

Industrial setting: For prolonged or repeated contact use protective gloves.
Household setting: not required under normal use

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: clear
Odor: mild
pH: 7.8
Boiling point: no data available
Freezing point: no data available
Flash point: estimated 130 °F
Evaporation rate: no data available
Lower explosion limit: no data available
Upper explosion limit: no data available
Vapour pressure: no data available
Density: 0.99 g/cm³
Water solubility: completely miscible
10. STABILITY AND REACTIVITY

Conditions to avoid : Direct sources of heat.

Materials to avoid : Strong oxidizing agents

Hazardous decomposition products : When exposed to fire, produces normal products of combustion.

Hazardous reactions : Stable

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50
Measured > 5,000 mg/kg

Acute inhalation toxicity : LC50
Measured > 1.66 mg/l

Acute dermal toxicity : LD50
Measured > 5,000 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.

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: 1993
  Proper shipping name: Flammable Liquid, N.O.S.
  Class: 3
  Packaging group: III
  Note: SC Johnson ships this product as Consumer Commodity ORM-D (non-bulk packages)

Sea transport
• IMDG:
  Class: 3
  Packaging group: III
  Proper shipping name: Flammable Liquid, N.O.S.
  UN-Number: 1993

Air transport
• ICAO/IATA:
  Class: 3
  Packaging group: III
  Proper shipping name: Flammable Liquid, N.O.S.
  UN/ID No.: UN 1993
  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 is not subject to the reporting requirements under California’s Proposition 65.

Canada Regulations : This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Registration # / Agency
67702-7-4822/EPA

16. OTHER INFORMATION

HMIS Ratings

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<tbody>
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<tr>
<td>Flammability</td>
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</tr>
<tr>
<td>Reactivity</td>
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NFPA Ratings

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Special

Further information

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Prepared by: SC Johnson Global Safety Assessment &