1. Identification of the Substance/Mixture and of the Company/Undertaking

Product Code: 11911
Product Name: Salsalate
Synonyms: 2-hydroxy-2-carboxyphenyl ester-benzoic acid; Disalcid; Salflex; NSC 49171; Nobacid; Salina; Sasapirin;

Relevant identified uses of the substance or mixture and uses advised against
Intended Use: For research use only, not for human or veterinary use.

Manufacturer Information
Company Name: Cayman Chemical Company
Emergency Contact: CHEMTREC Within USA and Canada: +1 (800)424-9300
Alternate Emergency Contact: CHEMTREC Outside USA and Canada: +1 (703)527-3887
Information: Cayman Chemical Company +1 (734)971-3335
Web site address: www.caymanchem.com

2. Hazards Identification

<table>
<thead>
<tr>
<th>GHS Classification</th>
<th>Placard</th>
<th>Key word</th>
<th>GHS Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity: Oral, Category 4</td>
<td>Exclamation</td>
<td>Warning</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation, Category 2</td>
<td>Exclamation</td>
<td>Warning</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>Serious Eye Damage/Eye Irritation, Category 2A</td>
<td>Exclamation</td>
<td>Warning</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>Target Organ Systemic Toxicity (single exposure), Category 3</td>
<td>Exclamation</td>
<td>Warning</td>
<td>May cause respiratory irritation, or may cause drowsiness and dizziness</td>
</tr>
<tr>
<td>Aquatic Toxicity (Acute), Category 1</td>
<td>Pollution</td>
<td>Warning</td>
<td>Very toxic to aquatic life</td>
</tr>
</tbody>
</table>

GHS Hazard Phrases:
H302: Harmful if swallowed.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H400: Very toxic to aquatic life.

GHS Precaution Phrases:
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/clothing and eye/face protection as specified by the manufacturer/supplier or the competent authority.
P362+364: Take off contaminated clothing and wash it before reuse.
P273: Avoid release to the environment - if this is not the intended use.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

GHS Response Phrases:
P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P332+313: If skin irritation occurs, get medical advice/attention.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists, get medical advice/attention.
P391: Collect spillage.
P309+311: Call a POISON CENTER or doctor/physician if exposed or you feel unwell.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>Concentration</th>
<th>EC#</th>
<th>Risk Phrases</th>
<th>RTECS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salsalate</td>
<td>552-94-3</td>
<td>100.0 %</td>
<td>209-027-4</td>
<td>R22-36/37/38</td>
<td>DH2080000</td>
</tr>
</tbody>
</table>

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

In Case of Skin Contact: Immediately wash skin with soap and plenty of water for at least 20 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 20 minutes. Have eyes examined and tested by medical personnel.

In Case of Ingestion: To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Signs and Symptoms Of Exposure: To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Indication of any immediate medical attention and special treatment needed: No data available.

5. Fire Fighting Measures

Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

Unsuitable Extinguishing Media: A solid water stream may be inefficient.

Flammable Properties and Hazards: No data available.

Flash Pt: No data.

Autoignition Pt: No data available.

Explosive Limits: LEL: No data. UEL: No data.

Hazardous Combustion Products: No data available.

Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: Avoid raising and breathing dust, and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

Environmental Precautions: Take steps to avoid release into the environment, if safe to do so.

Steps To Be Taken In Case Material Is Released Or Spilled: Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations.
## 7. Handling and Storage

<table>
<thead>
<tr>
<th>Precautions To Be Taken in Handling:</th>
<th>Avoid breathing dust/fume/gas/mist/vapours/spray.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Avoid prolonged or repeated exposure.</td>
</tr>
<tr>
<td>Precautions To Be Taken in Storing:</td>
<td>Keep container tightly closed.</td>
</tr>
<tr>
<td></td>
<td>Store in accordance with information listed on the product insert.</td>
</tr>
<tr>
<td>Hazard Label Information:</td>
<td>Avoid contact with skin and eyes.   Do not reuse this container. Use with adequate ventilation. Wash thoroughly after handling.</td>
</tr>
</tbody>
</table>

## 8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Salsalate</td>
<td>552-94-3</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>Britain EH40</th>
<th>France VL</th>
<th>Europe</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Salsalate</td>
<td>552-94-3</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
</tbody>
</table>

### Protective Equipment Summary - Hazard Label Information:
- Compatible chemical-resistant gloves
- Eye wash station in work area
- Lab coat
- Safety glasses
- Safety shower in work area
- Vent Hood

### Engineering Controls (Ventilation etc.):
Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

### Eye Protection:
Safety glasses

### Protective Gloves:
Compatible chemical-resistant gloves

### Other Protective Clothing:
Lab coat

### Respiratory Equipment (Specify Type):
NIOHS approved respirator, as conditions warrant.

### Work/Hygienic/Maintenance Practices:
- Do not take internally.
- Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.
- Wash thoroughly after handling.

### Environmental Exposure Controls:
No data available.

## 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Information on Basic Physical and Chemical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical States:</td>
</tr>
<tr>
<td>Appearance and Odor:</td>
</tr>
<tr>
<td>Melting Point:</td>
</tr>
<tr>
<td>Boiling Point:</td>
</tr>
<tr>
<td>Flash Pt:</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
</tr>
<tr>
<td>Vapor Pressure (vs. Air or mm Hg):</td>
</tr>
<tr>
<td>Vapor Density (vs. Air = 1):</td>
</tr>
<tr>
<td>Specific Gravity (Water = 1):</td>
</tr>
<tr>
<td>Solubility in Water:</td>
</tr>
<tr>
<td>Solubility Notes:</td>
</tr>
<tr>
<td>Autoignition Pt:</td>
</tr>
<tr>
<td>Explosive Properties:</td>
</tr>
<tr>
<td>Oxidizing Properties:</td>
</tr>
<tr>
<td>Other Information</td>
</tr>
</tbody>
</table>
Percent Volatile: No data.
Formula: C14H10O5
Molecular Weight: 258.20

10. Stability and Reactivity

Reactivity: No data available.
Stability: Unstable [ ] Stable [ X ]
Stability Note(s): Stable if stored in accordance with information listed on the product insert.
Conditions To Avoid: No data available.
Polymerization: Will occur [ ] Will not occur [ X ]
Incompatibility - Materials To Avoid: No data available.
Hazardous Decomposition Or Byproducts: No data available.

11. Toxicological Information

Toxicological Information: The toxicological effects of this product have not been thoroughly studied.
Salsalate - Toxicity Data: Oral TDLo (man): 2,229 mg/kg/2Y (intermittent); Subcutaneous LD50 (mouse): 1,020 mg/kg;
Salsalate - Investigated as a reproductive effector.
Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.
See actual entry in RTECS for complete information.
Salsalate RTECS Number: DH2080000

Chronic Toxicological Effects: No data available.

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salsalate</td>
<td>552-94-3</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
</tbody>
</table>

12. Ecological Information

General Ecological Information: Avoid release into the environment.
Runoff from fire control or dilution water may cause pollution.

13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT)
DOT Proper Shipping Name: Not dangerous goods.

LAND TRANSPORT (European ADR/RID)
ADR/RID Shipping Name: Not dangerous goods.

AIR TRANSPORT (ICAO/IATA)
ICAO/IATA Shipping Name: Not dangerous goods.

Additional Transport Information: Transport in accordance with local, state, and federal regulations.

15. Regulatory Information

European Community Hazard Symbol codes
Xi: Irritant; N: Dangerous for the environment

European Community Risk and Safety Phrases
R22 - Harmful if swallowed.
R36/37/38 - Irritating to eyes, respiratory system and skin.
S22 - Do not breathe dust.
Salsalate

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

### US EPA SARA Title III

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>Sec.302 (EHS)</th>
<th>Sec.304 RQ</th>
<th>Sec.313 (TRI)</th>
<th>Sec.110</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Salsalate</td>
<td>552-94-3</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

### Other US EPA or State Lists

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>CAA HAP,ODC</th>
<th>CWA NPDES</th>
<th>TSCA</th>
<th>CA PROP.65</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Salsalate</td>
<td>552-94-3</td>
<td>No</td>
<td>No</td>
<td>Inventory</td>
<td>No</td>
</tr>
</tbody>
</table>

### Regulatory Information Statement:

### 16. Other Information

**Revision Date:** 04/30/2013

**Company Policy or Disclaimer**

For research use only, not for human or veterinary use.

DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

N.A. = Not available, N.P. = Not applicable, N.D. = Not determined, N.E. = Not established, N.R. = Not required