Dear Educator,

This file contains the Safety Data Sheets (SDS) for FOSS SOLIDS AND LIQUIDS, NEXT GENERATION as of July 24, 2017.

Because kit contents can sometimes be replaced, we recommend searching our online portal of SDS for current sheets as you need them. To make that searching easier, we have provided a listing below of the items with SDS in this kit.

Portal: http://www.schoolspecialty.com/sds

<table>
<thead>
<tr>
<th>Part Number to Search</th>
<th>Item Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>190-0183-0</td>
<td>Rock salt</td>
</tr>
<tr>
<td>201-1217-0</td>
<td>Thermometer</td>
</tr>
</tbody>
</table>

Note: The part numbers to search for in the portal are often not the same part numbers used to order replacements. To order replacements, please visit www.deltaeducation.com/refillcenter

If you have any questions, please contact Customer Care at 800-258-1302 for assistance.
Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name: Common Salt without Additives

Synonyms:
- All Purpose Natural Sea Salt; All Purpose Purex Salt; Bunny Spool (Plain Salt);
- California Pure Coarse Sea Salt; California Pure Fine Sea Salt; California Pure
- Medium Sea Salt; Canning & Pickling Salt; Commercial Grade, Water Softening
- Pellets; Culinox 999 Chemical Grade Salt; Culinox 999 Fine Salt; Culinox 999 Food
- Grade Salt; Evaporated Granulated Salt; Evaporated Salt Pellets; Feed Mixing Salt,
- Northern Rock, F & R; Fine Mixing Salt; H.G. Blending Salt; Hay & Stock Salt, F&R;
- Industrial Crude Solar Salt; KD Crude Solar Salt; Kleer Fine Salt; Kleer Granulated
- Salt; Mill Run Salt; Natural Coarse Sea Salt; Northern Fine +20 Rock Salt; Plain Salt
- Block; Plain Salt Brick; Pool Salt; Professional’s Choice Pool Salt; Purex Salt; Purex
- Select Salt; Reagent Grade Sodium Chloride; Refined Sea Salt; Rock Pretzel Salt;
- Rock Salt for Making Ice Cream; Safe-T-Salt (bagged w/o YPS); Sea Salt Grinder;
- Sea Salt Grinder Reill; Select Extra Coarse Rock Salt; Service Pack Salt (all); Ship n'
- Shore Rock Salt; Solar Salt Water Softening Crystals; Stock Salt; USP Sodium
- Chloride; Valu-Soft Solar Salt; Water Softening Salt (Undried) Coarse; Water
- Softening Salt (Undried) Extra Coarse; White Crystal Brine Block (50 lb); White
- Crystal Rock Salt (all); White Crystal Solar Salt (all); White Crystal Water Softening
- Solar Salt (all); White Pretzel Salt; Dried Coarse Salt

CAS Number: 7647-14-5

Product Code: MSDS Code: 100

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s):
- Food, Chemical and Drug Processing; Pharmaceuticals; Water Conditioning; Ice
- Control; Chemical Feedstock – see product data sheets for more information

1.3 Details of the supplier of the safety data sheet

Manufacturer:
- Morton Salt, Inc.
  123 N. Wacker Drive
  Chicago, IL 60606
  United States
  saltinfo@mortonsalt.com

Telephone (General): 312-807-2000

1.4 Emergency telephone number

Manufacturer: 312-807-2000

Section 2: Hazards Identification

EU/EEC

According to EU Directive 67/548/EEC (DSG) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture
## United States (US)
According to OSHA 29 CFR 1910.1200 HCS

### 2.1 Classification of the substance or mixture
OSHA HCS 2012
- Classification criteria not met

### 2.2 Label elements
OSHA HCS 2012
- Hazard statements: No label element(s) specifically required

### 2.3 Other hazards
OSHA HCS 2012
- This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

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## Canada
According to WHMIS

### 2.1 Classification of the substance or mixture
WHMIS
- Classification criteria not met

### 2.2 Label elements
WHMIS
- No label element(s) specifically required

### 2.3 Other hazards
WHMIS
- In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

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## 2.4 Other information
NFPA

See Section 12 for Ecological Information.
Section 3 - Composition/Information on Ingredients

3.1 Substances

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>% (weight)</th>
<th>LD50/LC50</th>
<th>Classifications According to Regulation/Directive</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>CAS: 7647-14-5 EC Number: 231-598-3</td>
<td>&gt; 99%</td>
<td>Ingestion/Oral-Rat LD50 • 3000 mg/kg</td>
<td>EU DSD/DPD: Not Classified - Criteria not met&lt;br&gt;EU CLP: Not Classified - Criteria not met&lt;br&gt;OSHA HCS 2012: Not Classified - Criteria not met</td>
<td>May contain small quantities of naturally occurring calcium and magnesium salts</td>
</tr>
</tbody>
</table>

3.2 Mixtures

- Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation
- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

Skin
- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Eye
- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion
- If large quantities are swallowed, call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed
- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media
- Material is non-combustible. In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing Media
- No data available.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards
- No unusual fire or explosion hazards known.

Hazardous Combustion Products
- No data available
5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions
- Wear suitable protective clothing, gloves, and eye/face protection.

Emergency Procedures
- Stop leak if you can do it without risk. Keep unauthorized personnel away. Use normal clean up procedures.

6.2 Environmental precautions

- None expected to be necessary if material is used under ordinary conditions and as recommended.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures
- Carefully shovel or sweep up spilled material and place in suitable container.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling
- Use good safety and industrial hygiene practices. Wash thoroughly after handling. Keep out of reach of children.

7.2 Conditions for safe storage, including any incompatibilities

Storage
- Avoid storage with strong acids and strong oxidizing agents.

Incompatible Materials or Ignition Sources
- Strong oxidizing agents, strong acids.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines
- No applicable exposure limits available for product or components.

8.2 Exposure controls

Engineering Measures/Controls
- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Personal Protective Equipment Pictograms

Respiratory
- In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face
- Wear safety glasses.
Skin/Body

General Industrial Hygiene Considerations

Environmental Exposure Controls

- Wear appropriate gloves.
- Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice.
- Follow best practice for site management and disposal of waste.

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Physical Form</th>
<th>Appearance/Description</th>
<th>Colorless to white crystalline or compressed block/pellet.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Colorless to White.</td>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Particulate Type</td>
<td>Dust Crystalline</td>
<td>Particulate Size</td>
<td>Variable</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Data lacking</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

General Properties

| Boiling Point | 1413 to 1461 C (2575.4 to 2661.8 F) |
| Melting Point | 801 C (1473.8 F) |

| Decomposition Temperature | Data lacking |
| pH | 7 Approximately |

| Specific Gravity / Relative Density | 2.165 Water = 1 |
| Bulk Density | Variable |

| Water Solubility | Soluble 0.36 g/cc @ 20 C (68 F) |
| Viscosity | Not relevant |

Explosive Properties

- Not relevant.

Oxidizing Properties:

- Not relevant.

Volatile

| Vapor Pressure | Not relevant |
| Evaporation Rate | Not relevant |

Flammability

| Flash Point | Not relevant |
| LEL | Not relevant Autoignition |
| Flammability (solid, gas) | Not flammable. |

Environmental

| Octanol/Water Partition coefficient | Not relevant |

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid
10.5 Incompatible materials
- Strong oxidizing agents, strong acids.

10.6 Hazardous decomposition products
- Will react with strong acids to generate hydrogen chloride and with strong oxidizing agents to generate chlorine gas.

### Section 11 - Toxicological Information

#### 11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride (&gt; 99%)</td>
<td>7647-14-5</td>
<td><strong>Acute Toxicity:</strong> crl-rat LD50:3000 mg/kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GHS Properties</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>Skin corrosion/Irritation</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>STOT-RE</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>STOT-SE</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>Toxicity for Reproduction</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
<tr>
<td>Serious eye damage/Irritation</td>
<td>EU/CLP: Classification criteria not met</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Classification criteria not met</td>
</tr>
</tbody>
</table>

**Potential Health Effects**

**Inhalation**
- **Acute (Immediate)**: Under normal conditions of use, no health effects are expected. Inhalation of dust may cause mild irritation to mucous membranes, nose and throat. Symptoms may include coughing, dryness and sore throat.

- **Chronic (Delayed)**: No data available.

**Skin**
- **Acute (Immediate)**: Under normal conditions of use, no health effects are expected.

- **Chronic (Delayed)**: No data available.
Eye

Acute (Immediate)  • Based upon practical use and experience using this product eye irritation is not expected to occur.
Chronic (Delayed)  • No data available.

Ingestion

Acute (Immediate)  • Ingestion may cause the following symptoms - diarrhea.
Chronic (Delayed)  • No data available.

Key to abbreviations
LD  =  Lethal Dose

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Section 12 - Ecological Information

12.1 Toxicity  • Material data lacking.
12.2 Persistence and degradability  • Material data lacking.
12.3 Bioaccumulative potential  • Material data lacking.
12.4 Mobility in Soil  • Material data lacking.
12.5 Results of PBT and vPvB assessment  • No PBT and vPvB assessment has been conducted.
12.6 Other adverse effects  • No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods
Product waste  • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Packaging waste  • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th></th>
<th>14.1 UN number</th>
<th>14.2 UN proper shipping name</th>
<th>14.3 Transport hazard class(es)</th>
<th>14.4 Packing group</th>
<th>14.5 Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>NDA</td>
<td>Not regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>TDG</td>
<td>NDA</td>
<td>Not regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>IMO/IMDG</td>
<td>NDA</td>
<td>Not regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
</tbody>
</table>

Preparation Date: 09/August/2012
Revision Date: 03/June/2013

Format: EU CLP/REACH Language: English (US)
14.6 Special precautions for user
None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not relevant.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications
None

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>MA</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Inventory

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Canada DSL</th>
<th>Canada NDSL</th>
<th>China</th>
<th>EU EINECS</th>
<th>EU ELNICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

Inventory (Con't.)

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Japan ENCS</th>
<th>Korea KECL</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Canada

Labor
Canada - WHMIS - Classifications of Substances

- Sodium chloride 7647-14-5 > 99% Uncontrolled product according to WHMIS classification criteria

Canada - WHMIS - Ingredient Disclosure List

- Sodium chloride 7647-14-5 > 99% Not Listed

Environment
Canada - CEPA - Priority Substances List

- Sodium chloride 7647-14-5 > 99% Not Listed

Europe

Other
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification
• Sodium chloride 7647-14-5 > 99% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Sodium chloride 7647-14-5 > 99% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Sodium chloride 7647-14-5 > 99% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Sodium chloride 7647-14-5 > 99% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Sodium chloride 7647-14-5 > 99% Not Listed

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Mexico

Other

Mexico - Hazard Classifications

• Sodium chloride 7647-14-5 > 99% Not Listed

Mexico - Regulated Substances

• Sodium chloride 7647-14-5 > 99% Not Listed

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United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Sodium chloride 7647-14-5 > 99% Not Listed
Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

- Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

- Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

- Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

- Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

- Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

- Sodium chloride 7647-14-5 > 99% Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

- Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

- Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)
• Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

• Sodium chloride 7647-14-5 > 99% Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Sodium chloride 7647-14-5 > 99% Not Listed

United States - Rhode Island

Labor

U.S. - Rhode Island - Hazardous Substance List

• Sodium chloride 7647-14-5 > 99% Not Listed

15.2 Chemical Safety Assessment

• No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date 18/February 2014
Preparation Date 09/August/2012
Disclaimer/Statement of Liability

The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations. Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.

Key to abbreviations
NDA = No data available
1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product Identity: Isoamyl Benzoate for Synthesis
Alternate Names: Isoamyl Benzoate for Synthesis

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use: Chemical for synthesis
Application Method: See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet
Company Name: Thermco Products, Inc.
10 Millpond Drive,
Unit #10
Lafayette, NJ 07848
Emergency Customer Service: Thermco Products, Inc. 973.300.9100

2. Hazard identification of the product

2.1. Classification of the substance or mixture
Combustible Liquid: H227

2.2. Label elements
Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.
H227: Combustible liquid.

[Prevention]:
P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P280 Wear protective gloves / eye protection / face protection.

[Response]:
No GHS response statements

[Storage]:
P403+235 Store in a well ventilated place. Keep cool.

[Disposal]:
P501 Dispose of contents / container in accordance with local / national regulations.
3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPENTYL BENZOATE</td>
<td>100</td>
<td>Not classified</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0000094-46-2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[1] Substance classified with a health or environmental hazard.
*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

**General**
In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation**
Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eyes**
Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Skin**
Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**Ingestion**
If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

**Overview**
No specific symptom data available. See section 2 for further details.

5. Fire-fighting measures

5.1. Extinguishing media
Recommended extinguishing media: alcohol resistant foam, CO₂, powder, water spray. Do not use; water jet.

5.2. Special hazards arising from the substance or mixture
Do not inhale vapors/aerosols. Ensure supply of fresh air in enclosed rooms.
Hazardous decomposition: No hazardous decomposition data available. 
Keep away from heat / sparks / open flames / hot surfaces - No smoking.

5.3. Advice for fire-fighters

Special risks:
Combustible. Vapors heavier than air.
Forms explosive mixtures with air on intense heating.
Development of hazardous combustion gases or vapors possible in the event of fire.

Special protective equipment for fire fighting:
Do not stay in dangerous zone without self-contained breathing apparatus.
Do not allow run off water and contaminants from fire fighting to enter drains or water ways.

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Put on appropriate personal protective equipment (see section 8).
Do not inhale vapors/aerosols. Ensure supply of fresh air in enclosed rooms.

6.2. Environmental precautions
Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up
Do not inhale vapors/aerosols. Ensure supply of fresh air in enclosed rooms.
Take up with liquid-absorbent material (e.g. Chemizorb). Forward for disposal. Clean up affected area.

7. Handling and storage

7.1. Precautions for safe handling
Store in accordance with the National Fire Protection Association's publication NFPA 30, Flammable and Combustible Liquids Code. 29 CFR 1910.106 applies to the handling, storage, and use of flammable and combustible liquids.
See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities
Handle containers carefully to prevent damage and spillage.
Store in a cool dry area, away from heat, sparks and open flame. Keep containers sealed when not in use. Store out of direct sunlight.
Incompatible materials: Strong oxidizing agents
Tightly closed. At +15C to +25C.
See section 2 for further details. - [Storage]:

7.3. Specific end use(s)
No data available.

8. Exposure controls and personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000094-46-2</td>
<td>ISOPENTYL BENZOATE</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
</tbody>
</table>

Carcinogen Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000094-46-2</td>
<td>ISOPENTYL BENZOATE</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

**Respiratory**
If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

**Eyes**
Protective safety glasses required

**Skin**
- Butyl rubber gloves
- Layer thickness: 0.7 mm
- Breakthrough time: >240 min

**Engineering Controls**
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

**Other Work Practices**
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:
9. Physical and chemical properties

- **Appearance**: Colorless Liquid
- **Odor**: Almost Odorless
- **Odor threshold**: Not Measured
- **pH**: NA
- **Melting point / freezing point**: NA
- **Initial boiling point and boiling range**: 260 C
- **Flash Point**: 89 C
- **Evaporation rate (Ether = 1)**: NA
- **Flammability (solid, gas)**: Not Applicable
- **Upper/lower flammability or explosive limits**:
  - Lower Explosive Limit: NA
  - Upper Explosive Limit: NA
- **Vapor pressure (Pa)**: NA
- **Vapor Density**: NA
- **Density**: 0.99 g/cm3 (@20C)
- **Solubility in Water**: Insoluble
- **Partition coefficient n-octanol/water (Log Kow)**: Not Measured
- **Auto-ignition temperature**: NA
- **Decomposition temperature**: NA
- **Viscosity (cSt)**: NA
- **VOC %**: NA
- **Log Pow**: 4.15 (experimental) (Lit.)

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Forms explosive mixtures with air on intense heating.
10.5. Incompatible materials
Strong Oxidizing agents.

10.6. Hazardous decomposition products
No hazardous decomposition data available.

11. Toxicological information

Acute toxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LD50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LD50, mg/L/4hr</th>
<th>Inhalation Gas LD50, ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPENTYL BENZOATE - (94-46-2)</td>
<td>6330.00, Rat - Category: NA</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
<th>Hazard Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
12. Ecological information

12.1. Toxicity
Do not allow product to enter water, wastewater or soil! See Section 3 for chemical specific data.

Aquatic Ecotoxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPENTYL BENZOATE - (94-46-2)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
There is no data available on the preparation itself.

12.3. Bioaccumulative potential
An appreciable bioaccumulation potential is to be expected (log Po/w >3)

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects
No data available.

13. Disposal considerations

13.1. Waste treatment methods
Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

14.1. UN number
Not Applicable

14.2. UN proper shipping name
Not Regulated

14.3. Transport hazard class(es)
DOT Hazard Class: Not Applicable
DOT Label: ---

14.4. Packing group
Not Applicable

IMD: Not Applicable
Air Class: Not Applicable
14.5. Environmental hazards
IMDG Marine Pollutant: No

14.6. Special precautions for user
No further information

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification B3

US EPA Tier II Hazards

<table>
<thead>
<tr>
<th>Hazard Type</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire</td>
<td>Yes</td>
</tr>
<tr>
<td>Sudden Release of Pressure</td>
<td>No</td>
</tr>
<tr>
<td>Reactive</td>
<td>No</td>
</tr>
<tr>
<td>Immediate (Acute)</td>
<td>No</td>
</tr>
<tr>
<td>Delayed (Chronic)</td>
<td>No</td>
</tr>
</tbody>
</table>

EPCRA 311/312 Chemicals and RQs: (No Product Ingredients Listed)

EPCRA 302 Extremely Hazardous: (No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals: (No Product Ingredients Listed)

Proposition 65 - Carcinogens (>0.0%): (No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0.0%): (No Product Ingredients Listed)

Proposition 65 - Female Repro Toxins (>0.0%): (No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0.0%): (No Product Ingredients Listed)

N.J. RTK Substances (>1%): (No Product Ingredients Listed)

Penn RTK Substances (>1%): (No Product Ingredients Listed)
16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is: not applicable

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

Disclaimer: This information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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