SAFETY DATA SHEET

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier
   - Product Name: Silmer ACR A0
   - Product code: 5654
   - Chemical Name: Not available
   - CAS No.: Not available

1.2 Recommended use of the chemical and restrictions on use
   - Identified use(s): An intermediate chemical product.
     Additive, Coatings
   - Uses advised against: None known

1.3 Details of the supplier of the Safety Data Sheet
   - Company Identification: Siltech Corp
     225 Wicksteed Ave
     Toronto, ON Canada M4H 1G5
   - Telephone: +1-416-424-4567
   - Fax: +1-416-424-3158
   - E-Mail (competent person): raj@siltech.com
   - Additional Location: Siltech Corp
     3265 Wolfedale Road,
     Mississauga ON Canada L5C 1V8
   - Telephone: +1-905-270-5534
   - Fax: +1-905-270-5816

1.4 Emergency telephone number
   - Emergency Phone No.: CANUTECH - TELEPHONE: EMERGENCY USE ONLY
     +1-613-996-6666

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
   - Repr. 1B

2.2 Label elements
   - Product Name: Silmer ACR A0
   - Symbol: Warning
     H361: Suspected of damaging fertility or the unborn child.
     P281: Use personal protective equipment as required.
     P308+P313: IF exposed or concerned: Get medical advice/attention.
     P403+P233: Store in a well-ventilated place. Keep container tightly closed.
     P501: Dispose of contents/container to: Observe Local Regulations.

2.3 Other hazards
   - None known
3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

<table>
<thead>
<tr>
<th>Hazardous ingredient(s)</th>
<th>Synonym(s)</th>
<th>%W/W</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Hazard pictogram(s) and Hazard statement(s)</th>
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<tbody>
<tr>
<td>Dibutyltin diacetate</td>
<td>dibutyltin di(acetate)</td>
<td>0.18 - 0.21</td>
<td>1067-33-0</td>
<td>213-928-8</td>
<td>GHS06, GHS08, GHS05, GHS07, H314, H317, H318, H341, H360, H370, H372, H410</td>
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</table>

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Unlikely to be required but if necessary treat symptomatically.
Skin Contact: Unlikely to be required but if necessary treat symptomatically.
Eye Contact: If substance has got into the eyes, immediately wash out with plenty of water for several minutes.
Ingestion: If swallowed, seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

Not available.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: In case of fire, use water spray, foam, dry powder or CO2 for extinction. Keep containers cool by spraying with water if exposed to fire.

Unsuitable Extinguishing Media: None known

5.2 Special hazards arising from the substance or mixture

Silicon Dioxide, carbon oxides, incompletely burned carbon compounds, formaldehyde.

5.3 Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Caution - spillages may be slippery. Cover spills with inert absorbent material. Transfer to a container for disposal. See Section: 7 & 8.

6.4 Reference to other sections

See Section: 7 & 8.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid ingestion. Use only with sufficient ventilation. Wash thoroughly after handling. General hygiene measures for the handling of chemicals are applicable.

7.2 Conditions for safe storage, including any incompatibilities

Store in a tightly closed container.

Storage Temperature: Ambient
Storage Life: Stable under normal conditions
Incompatible materials: Oxidizing agents

7.3 Specific end use(s)

Industrial use
8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
8.1.1 Occupational Exposure Limits

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>CAS No</th>
<th>LTEL (8 hr TWA ppm)</th>
<th>LTEL (8 hr TWA mg/m³)</th>
<th>STEL (ppm)</th>
<th>STEL (mg/m³)</th>
<th>Note</th>
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</thead>
<tbody>
<tr>
<td>dibutyltin di(acetate)</td>
<td>1067-33-0</td>
<td>0.1</td>
<td>0.2</td>
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<td></td>
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</tbody>
</table>

8.1.2 Biological limit value
Not established

8.1.3 PNECs and DNELs
Not established

8.2 Exposure controls
8.2.1 Appropriate engineering controls
Provide adequate ventilation.

8.2.2 Personal protection equipment
Eye/face protection
Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)
Wear suitable gloves if prolonged skin contact is likely.

Respiratory protection
No personal respiratory protective equipment normally required.

Thermal hazards
None.

8.2.3 Environmental Exposure Controls
Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
Appearance
Coloured liquid (Yellow)

Odour
Characteristic odour.

Odour Threshold
Not available.

pH
Not available.

Melting Point/Freezing Point
Not available.

Initial boiling point and boiling range
>100°C @ 760mmHg

Flash point (PMCC)
>100°C

Evaporation rate
Not available.

Flammability (solid, gas)
Not applicable.

Upper/lower flammability or explosive limits
Not available.

Vapour pressure
Not available.

Vapour density
Not available.

Relative density / Specific Gravity (25°C)
Not available.

Solubility(ies)
Not available.

Partition coefficient: n-octanol/water
Not available.

Auto-ignition temperature
Not available.

Decomposition Temperature
Not available.

Viscosity (25°C)
12 cps

Explosive properties
Not applicable.

Oxidising properties
Not applicable.
10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
Stable under normal conditions.

10.2 Chemical stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions
Will not occur.

10.4 Conditions to avoid
None known.

10.5 Incompatible materials
Oxidizing agents.

10.6 Hazardous Decomposition Product(s)
Silicon Dioxide, carbon oxides, incompletely burned carbon compounds, formaldehyde.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
Ingestion
May be harmful if swallowed.
Inhalation
Low toxicity under normal conditions of handling and use.
Skin Contact
May cause irritation
Eye Contact
May cause irritation

Effects and Symptoms
skin corrosion/irritation
Not classified
Serious eye damage/irritation
Not classified
Respiratory or skin sensitization
Not classified
Germ cell mutagenicity
Not classified
Carcinogenicity
Not classified
Reproductive toxicity
Suspected of damaging fertility or the unborn child.
STOT - single exposure
Not classified
STOT - repeated exposure
Not classified
Aspiration hazard
Not classified
Delayed and chronic effects
Not available
Calculated acute toxicity estimate (ATE)
Not available

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
Not available.

12.2 Persistence and degradability
Not available.

12.3 Bioaccumulative potential
Not available.

12.4 Mobility in soil
Not available.

12.5 Results of PBT and VPVB assessment
Not available.

12.6 Other adverse effects
None known

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Do not empty into drains; dispose of this material and its container in a safe way.

13.2 Additional Information
Dispose of contents in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1 DOT / TDG / Road/Rail (ADR/RID)
Not classified as hazardous for road transport.
Not classified as hazardous for rail transport.

14.2 Air (ICAO/IATA)
Not classified as hazardous for air transport.

14.3 Sea (IMDG)
Not classified as hazardous for marine transport.
15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations
REACH Registration No. Not listed
Contains: dibutyltin di(acetate) (CAS#1067-33-0) : 0.18 – 0.21%

15.2 International Inventories

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<th>Country</th>
<th>Listed</th>
<th>Not listed</th>
<th>Polymer exempt</th>
<th>Other</th>
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<tbody>
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<td>United States (TSCA)</td>
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<td>Canada (DSL/NDSL)</td>
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<td>Philippines (PICCS)</td>
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</table>

15.3 National regulations
United States (TSCA) This product is for R&D purposes only.
HMIS (Hazardous Material Information System) H = 1 / F = 1 / R = 0
NFPA Rating H = 1 / F = 1 / R = 0

15.4 US State Regulations
15.4.1 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM None known.
15.4.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER None known.
15.4.3 State Right to Know Lists None known.

16. SECTION 16: OTHER INFORMATION

Revision: November 12, 2018

LEGEND
LTCL Long Term Exposure Limit
STEL Short Term Exposure Limit
STOT Specific Target Organ Toxicity
DNEL Derived No Effect Level
PNEC Predicted No Effect Concentration
PBT Persistent, Bioaccumulative and Toxic
vPvB very Persistent and very Bioaccumulative

Hazard statement(s) and Precautionary statement(s)
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H341: Suspected of causing genetic defects.
H360: May damage fertility or the unborn child.

**H361: Suspected of damaging fertility or the unborn child.**

H370: Causes damage to organs: Thymus.

H372: Causes damage to organs through prolonged or repeated exposure.

H410: Very toxic to aquatic life with long lasting effects.

P281: Use personal protective equipment as required.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

**Hazard pictogram(s) and Hazard Symbol**

![Pictograms](image)

### Additional Information

**Disclaimers**

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