



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Andisil® OH30

**Other means of identification**

**Product code** 8074

**Recommended use** Reactive fluid.

**Recommended restrictions** Uses other than the recommended use.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer/Supplier** AB Specialty Silicones, LLC  
3725 Hawthorn Court  
Waukegan, IL 60087  
US

**Email:** info@andisil.com

**Contact person:** Health & Safety Manager

**General Assistance:** 847-599-7765

**Emergency Telephone:** 24 hour: ChemTel  
US and Canada: 1-800-255-3924  
International: +1-813-248-0585

## 2. Hazard(s) identification

**Physical hazards** Flammable liquids Category 4

**Health hazards** Reproductive toxicity (fertility) Category 2

**Environmental hazards** Hazardous to the aquatic environment, long-term hazard Category 2

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Warning

**Hazard statement** Combustible liquid. Suspected of damaging fertility. Toxic to aquatic life with long lasting effects.

**Precautionary statement**

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from flames and hot surfaces. - No smoking. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

**Response** If exposed or concerned: Get medical advice/attention. In case of fire: Use appropriate media to extinguish. Collect spillage.

**Storage** Store in a well-ventilated place. Keep cool. Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name                                      | CAS number | %        |
|--|------------|----------|
| Siloxanes and silicones, di-Me, hydroxy-terminated | 70131-67-8 | 89 - 100 |
| Octamethylcyclotetrasiloxane                       | 556-67-2   | < 1      |

**Composition comments** All concentrations are in percent by weight. The specific chemical identity and/or exact percentage of component(s) have been withheld as a trade secret.

#### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.   |
| <b>Skin contact</b>   | Wash off with soap and water. Get medical attention if irritation develops and persists.  |
| <b>Eye contact</b>  | Rinse with water. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>  | Rinse mouth. Get medical attention if symptoms occur.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Direct contact with eyes may cause temporary irritation.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.  |
| <b>General information</b>  | IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. |

#### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).  |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.  |
| <b>Specific hazards arising from the chemical</b>                    | The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed.    |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   |
| <b>Fire fighting equipment/instructions</b>                          | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.  |
| <b>General fire hazards</b>  | Combustible liquid.   |

#### 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.  |
| <b>Methods and materials for containment and cleaning up</b>               | <p>Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. The product is immiscible with water and will spread on the water surface. Prevent product from entering drains.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.</p> <p>Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. The product is insoluble in water.</p> |
| <b>Environmental precautions</b>   | Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.  |

## 7. Handling and storage

|   |   |
|---|---|
| <b>Precautions for safe handling</b>                                | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store locked up. Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).  |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OARS. Workplace Environmental Exposure Level (WEEL) Guide

| Components                                  | Type | Value  |
|---|------|--------|
| Octamethylcyclotetrasiloxane (CAS 556-67-2) | TWA  | 10 ppm |

|  |   |
|--|---|
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).  |
| <b>Appropriate engineering controls</b>                                      | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Eye/face protection</b>   | Wear safety glasses with side shields (or goggles).   |
| <b>Skin protection</b>   |   |
| <b>Hand protection</b>   | Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.   |
| <b>Skin protection</b>   |   |
| <b>Other</b>   | Wear suitable protective clothing. Use of an impervious apron is recommended.   |
| <b>Respiratory protection</b>  | In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. Appropriate respirator selection should be made by a qualified professional.   |
| <b>Thermal hazards</b>   | Wear appropriate thermal protective clothing, when necessary.   |
| <b>General hygiene considerations</b>  | Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.   |

## 9. Physical and chemical properties

### Appearance

|   |                             |
|---|-----------------------------|
| <b>Physical state</b>                               | Liquid.                     |
| <b>Form</b>   | Liquid.                     |
| <b>Color</b>  | Colorless. Clear.           |
| <b>Odor</b>   | Slight.                     |
| <b>Odor threshold</b>                               | Not available.              |
| <b>pH</b>   | Not available.              |
| <b>Melting point/freezing point</b>                 | Not available.              |
| <b>Initial boiling point and boiling range</b>      | Not available.              |
| <b>Flash point</b>                                  | 168.8 °F (76 °C) Closed Cup |
| <b>Evaporation rate</b>                             | < 1 (Butyl Acetate=1)       |
| <b>Flammability (solid, gas)</b>                    | Not applicable.             |
| <b>Upper/lower flammability or explosive limits</b> |                             |
| <b>Explosive limit - lower (%)</b>                  | Not available.              |
| <b>Explosive limit - upper (%)</b>                  | Not available.              |

|  |                                       |
|--|---------------------------------------|
| <b>Vapor pressure</b>                          | < 1.3 kPa (77 °F (25 °C))             |
| <b>Vapor density</b>                           | > 1 (Air=1)                           |
| <b>Relative density</b>                        | 0.97 (77 °F (25 °C))                  |
| <b>Solubility(ies)</b>                         |                                       |
| <b>Solubility (water)</b>                      | Insoluble.                            |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.                        |
| <b>Auto-ignition temperature</b>               | Not available.                        |
| <b>Decomposition temperature</b>               | Not available.                        |
| <b>Viscosity</b>                               | 22 mm <sup>2</sup> /s (77 °F (25 °C)) |
| <b>Other information</b>                       |                                       |
| <b>Explosive properties</b>                    | Not explosive.                        |
| <b>Oxidizing properties</b>                    | Not oxidizing.                        |
| <b>VOC</b>                                     | Not determined.                       |

## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.  |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.  |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.  |
| <b>Conditions to avoid</b>                | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| <b>Incompatible materials</b>             | Strong oxidizing agents.   |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.   |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.                     |
| <b>Skin contact</b> | Prolonged skin contact may cause temporary irritation.   |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation. |
| <b>Ingestion</b>    | May cause discomfort if swallowed.                       |

|   |  |
|---|--|
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Direct contact with eyes may cause temporary irritation. |
|---|--|

### Information on toxicological effects

#### Acute toxicity

| Components                                  | Species | Test Results       |
|---|---------|--------------------|
| Octamethylcyclotetrasiloxane (CAS 556-67-2) |         |                    |
| <b>Acute</b>                                |         |                    |
| <b>Dermal</b>                               |         |                    |
| LD50  | Rat     | > 2400 mg/kg       |
| <b>Inhalation</b>                           |         |                    |
| LC50  | Rat     | > 36 mg/l, 4 Hours |
| <b>Oral</b>                                 |         |                    |
| LD50  | Rat     | > 4800 mg/kg       |

|                                  |  |
|----------------------------------|--|
| <b>Skin corrosion/irritation</b> | Prolonged skin contact may cause temporary irritation. |
|----------------------------------|--|

|  |  |
|--|--|
| <b>Serious eye damage/eye irritation</b> | Direct contact with eyes may cause temporary irritation. |
|--|--|

#### Respiratory or skin sensitization

|                                  |   |
|----------------------------------|---|
| <b>Respiratory sensitization</b> | Not a respiratory sensitizer.                             |
| <b>Skin sensitization</b>        | This product is not expected to cause skin sensitization. |

|   |  |
|---|--|
| <b>Germ cell mutagenicity</b>   | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| <b>Carcinogenicity</b>  | Not classifiable as to carcinogenicity to humans.  |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>         |  |
| Not listed.   |  |
| <b>NTP Report on Carcinogens</b>                                      |  |
| Not listed.   |  |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b> |  |
| Not listed.   |  |
| <b>Reproductive toxicity</b>  | Suspected of damaging fertility.   |
| <b>Specific target organ toxicity - single exposure</b>               | Not classified.  |
| <b>Specific target organ toxicity - repeated exposure</b>             | Not classified.  |
| <b>Aspiration hazard</b>  | Not an aspiration hazard.  |

## 12. Ecological information

|  |  |
|--|--|
| <b>Ecotoxicity</b>                                       | Toxic to aquatic life with long lasting effects.           |
| <b>Persistence and degradability</b>                     | No data is available on the degradability of this product. |
| <b>Bioaccumulative potential</b>                         |  |
| <b>Partition coefficient n-octanol / water (log Kow)</b> |  |
| Octamethylcyclotetrasiloxane (CAS 556-67-2)              | 5.1  |
| <b>Mobility in soil</b>                                  | No data available.   |
| <b>Other adverse effects</b>                             | No data available.   |

## 13. Disposal considerations

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.   |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.  |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.   |

## 14. Transport information

### DOT

|                                     |  |
|-------------------------------------|--|
| <b>UN number</b>                    | UN3082   |
| <b>UN proper shipping name</b>      | Environmentally hazardous substance, liquid, n.o.s. (Octamethylcyclotetrasiloxane) |
| <b>Transport hazard class(es)</b>   |  |
| Class                               | 9  |
| Subsidiary hazard                   | -  |
| Label(s)                            | 9  |
| <b>Packing group</b>                | III  |
| <b>Environmental hazards</b>        |  |
| Marine pollutant                    | Yes  |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling.            |
| <b>Special provisions</b>           | 8, 146, 173, 335, IB3, T4, TP1, TP29   |
| <b>Packaging exceptions</b>         | 155  |
| <b>Packaging non bulk</b>           | 203  |
| <b>Packaging bulk</b>               | 241  |

### IATA

|                                |  |
|--------------------------------|--|
| <b>UN number</b>               | UN3082   |
| <b>UN proper shipping name</b> | Environmentally hazardous substance, liquid, n.o.s. (Octamethylcyclotetrasiloxane) |

|                                   |   |
|-----------------------------------|---|
| <b>Transport hazard class(es)</b> |   |
| Class                             | 9   |
| Subsidiary hazard                 | -   |
| Packing group                     | III   |
| Environmental hazards             | Yes   |
| ERG Code                          | 9L  |
| Special precautions for user      | Read safety instructions, SDS and emergency procedures before handling. |

#### IMDG

|                              |   |
|------------------------------|---|
| UN number                    | UN3082  |
| UN proper shipping name      | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Octamethylcyclotetrasiloxane) |
| Transport hazard class(es)   |   |
| Class                        | 9   |
| Subsidiary hazard            | -   |
| Packing group                | III   |
| Environmental hazards        |   |
| Marine pollutant             | Yes   |
| EmS                          | F-A, S-F  |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling.               |

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

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Octamethylcyclotetrasiloxane (CAS 556-67-2) 1.0 % One-Time Export Notification only.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

**Toxic Substances Control Act (TSCA)** All components of the mixture on the TSCA 8(b) inventory are designated "active".

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Flammable (gases, aerosols, liquids, or solids)  
Reproductive toxicity

##### SARA 313 (TRI reporting)

Not regulated.

#### Other federal regulations

##### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

##### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

#### US state regulations

##### US. Massachusetts RTK - Substance List

Not regulated.

**US. New Jersey Worker and Community Right-to-Know Act**

Not listed.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**US. Rhode Island RTK**

Not regulated.

**California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**International Inventories**

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Industrial Chemicals (AICIS)                   | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                             | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

|                      |   |
|----------------------|---|
| <b>Issue date</b>    | 16-April-2021   |
| <b>Revision date</b> | 06-January-2025   |
| <b>Version #</b>     | 02  |
| <b>HMIS® ratings</b> | Health: 1*<br>Flammability: 2<br>Physical hazard: 0   |
| <b>Disclaimer</b>    | AB Specialty Silicones LLC cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. |