# Safety Data Sheet

## SDS No. 283A

### Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Solaris Primer  
**General Use:** Primer  
**Manufacturer:** Smooth-On, Inc.,  
5600 Lower Macungie Rd., Macungie, PA 18062  
Phone (610) 252-5800, FAX (610) 252-6200  
**Emergency Contact:** Chem-Tel  
Domestic: 800-255-3924      International: 813-248-0585

### Section 2 - Hazards Identification

**Classification of the substance or mixture**  
- Flammable liquids – Category 2  
- Aspiration toxicity – Category 1  
- Skin irritation – Category 2  
- Specific target organ toxicity, single exposure: Narcotic effects – Category 3

**GHS Label elements, including precautionary statements**

**Pictogram(s):**  
Sign Word: Danger

<table>
<thead>
<tr>
<th>Physical Hazards</th>
<th>Health Hazards</th>
<th>GHS Label Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>H225</td>
<td>H304</td>
<td>Highly flammable liquid and vapor</td>
</tr>
<tr>
<td></td>
<td>H315</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td></td>
<td>H336</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>May cause drowsiness or dizziness</td>
</tr>
</tbody>
</table>

**Precautions**

- **P101** If medical advice is needed, have product container or label at hand.  
- **P102** Keep out of reach of children.  
- **P103** Read label before use.  
- **P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
- **P233** Keep container tightly closed.  
- **P240** Ground and bond container and receiving equipment.  
- **P241** Use explosion-proof electrical/ventilating/lighting equipment.  
- **P242** Use non-sparking tools.  
- **P243** Take action to prevent static discharges.  
- **P261** Avoid breathing dust/fume/gas/mist/vapors/spray.  
- **P264** Wash skin thoroughly after handling.  
- **P271** Use only outdoors or in a well-ventilated area.  
- **P273** Avoid release to the environment.  
- **P280** Wear protective gloves/protective clothing/eye protection/face protection.
Response
Statements
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P331 Do NOT induce vomiting.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use Water Fog, Dry Chemical, and Carbon Dioxide Foam to extinguish.
P391 Collect spillage.

Storage
Statements
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container according to local, state and federal laws.

Section 3 - Composition / Information on Ingredients

The following ingredients are hazardous according to OSHA criteria.

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>64741-66-8</td>
<td>Naphtha (Petroleum), Light Alkylate</td>
<td>&lt;100%</td>
</tr>
<tr>
<td>682-01-9</td>
<td>Tetrapropyl orthosilicate</td>
<td>&lt;10%</td>
</tr>
</tbody>
</table>

Section 4 - First Aid Measures

**Inhalation:** Remove source(s) of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately.

**Eye Contact:** Flush eyes with plenty of water. If irritation persists, seek medical attention.

**Skin Contact:** In case of skin contact, wash thoroughly with soap and water.

**Ingestion:** Do not induce vomiting unless instructed by a physician. Never give anything by mouth to an unconscious person.

After first aid, get appropriate in-plant, paramedic, or community medical support.
Section 5 - Fire-Fighting Measures

**Flammable Classification:** Flammable

**Extinguishing Media:** Water Fog, Dry Chemical, and Carbon Dioxide Foam

**Unusual Fire or Explosion Hazards:** None known.

**Fire-Fighting Instructions:** Use water spray to cool fire-exposed surfaces and to protect personnel. Shut off “fuel” to fire. If a leak or spill has not ignited, use water spray to disperse the vapors. Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam.

**Further information:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure demand or positive-pressure mode.

Section 6 - Accidental Release Measures

**Spill /Leak procedures:** Only properly protected personnel should remain in the spill area; dike and contain spill; absorb or scrape up excess into suitable container for disposal; wash area with dilute ammonia solution. Stop or reduce discharge if it can be done safely.

**Environmental precautions:** Prevent spillage from entering drains.

Section 7 - Handling and Storage

**Handling Precautions:** Minimize breathing of vapors and avoid prolonged or repeated contact with skin. Wear proper protective equipment. Use good general housekeeping procedures. Wash hands after use.

**Storage Requirements:** Keep container(s) tightly closed and properly labeled. Store in cool, dry, well ventilated place away from heat, direct sunlight, strong oxidizers and any incompatibles. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Avoid water contamination.

Section 8 - Exposure Controls / Personal Protection

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

**Respiratory Protection:** If engineering controls do not maintain airborne contamination concentrations at a level which is adequate to protect worker health, an approved respirator may be needed. Follow OSHA respirator regulations 29 CFR 1910.134 and European Standards EN 141, 143 and 371; wear an MSHA/NIOSH or European Standards EN 141, 143 and 371 approved respirators such as a half-face filter respirator equipped with organic vapor cartridges.

**Hand Protection:** Wear chemically resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.

**Eye Protection:** Safety glasses with side shields per OSHA eye- and face-protection regulations 29 CFR 1910.133 and European Standard EN166. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Other Protective Clothing/Equipment:** Chemical/oil resistant clothing is recommended. Provide eye bath and safety shower.

**Comments:** 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. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.
Section 9 - Physical and Chemical Properties

- **Appearance**: clear liquid
- **Odor/Threshold**: mild petroleum odor
- **pH**: N.A. (non-aqueous)
- **Melting Point/Freezing Point**: N.A.
- **Low/High Boiling Point**: 208 °F/220 °F
- **Flash Point**: >18 °F
- **Evaporation Rate**: (butyl acetate=1) ~3.8
- **Flammability**: flammable
- **UEL/LEL**: 0.9/6.3 (approximate)

Vapor Pressure: Not available
Vapor Density (Air=1): ~4
Specific Gravity (H2O=1, at 4 °C): 0.8
Water Solubility: negligible
Partition coefficient: Not available
Auto-ignition temperature: Not available
Decomposition temperature: Not available
Viscosity: <100 centipoise
% Volatile: >97%

Section 10 - Stability and Reactivity

**Stability**: These products are stable at room temperature in closed containers under normal storage and handling conditions.
**Polymerization**: Hazardous polymerization cannot occur.
**Chemical Incompatibilities**: Strong bases, and acids.
**Hazardous Decomposition Products**: Thermal oxidative decomposition can produce carbon oxides and traces of incompletely burned carbon compounds.

Section 11 - Toxicological Information

<table>
<thead>
<tr>
<th>Effect Type</th>
<th>Data Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>no data</td>
</tr>
<tr>
<td>Respiratory/Skin Sensitization</td>
<td>no data</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>no data</td>
</tr>
<tr>
<td>Specific Target Organ Toxicity – Single Exposure</td>
<td>no data</td>
</tr>
<tr>
<td>Specific Target Organ Toxicity – Repeated Exposure</td>
<td>no data</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>no data</td>
</tr>
<tr>
<td>Chronic Exposure</td>
<td>no data</td>
</tr>
<tr>
<td>Potential Health Effects – Miscellaneous</td>
<td>no data</td>
</tr>
</tbody>
</table>

**Germ Cell Mutagenicity**: no data
**Reproductive Toxicity**: no data

Section 12 - Ecological Information

**Toxicity**: no data
**Persistence and Degradability**: no data
**Bioaccumulative Potential**: no data
**Mobility in Soil**: no data
**Other Adverse Effects**: no data

Section 13 - Disposal Considerations

**Disposal**: Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore to not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th>DOT</th>
<th>IATA</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Shipping Name</strong>: Resin solution</td>
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<td><strong>Shipping Name</strong>: Resin solution</td>
</tr>
<tr>
<td>UN#: 1866</td>
<td>UN#: 1866</td>
<td>UN#: 1866</td>
</tr>
<tr>
<td>HC: 3 PG: II</td>
<td>HC: 3 PG: II</td>
<td>HC: 3 PG: II</td>
</tr>
<tr>
<td>ERG: 128</td>
<td>ERG: 128</td>
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</tr>
<tr>
<td>Hazard Label: Flammable</td>
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</table>
Section 15 - Regulatory Information

**Chemical Inventories:** All components of this formulation are listed in AICS, DSL, ENCS, IECSC, KECI, PICCS and TSCA.

**EPCRA SECTION 302:** This material contains no extremely hazardous substances.

**CERCLA:** This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Contact local authorities to determine if other reporting requirements apply.

**CWA/OPA:** This product is classified as an oil under Section 311 of the Clean Air Act (40 CFR 110) and the Oil Pollution Act of 1990. Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center (800-424-8802).

**SARA (311/312) Reportable Hazard Categories:** Fire. Immediate health.

**California Proposition 65:** This product does not intentionally contain any chemicals which have been identified by the state of California to cause cancer, birth defects or other reproductive harm.

**Right-To-Know:** This product does not contain any chemicals on RTK lists in the following States: IL, LA, MI 293, MN, NJ, PA or RI.
Glossary: ACGIH-American Conference of Governmental Industrial Hygienists; ANSI-American National Standards Institute; Canadian TDG-Canadian Transportation of Dangerous Goods; CAS-Chemical Abstract Service; Chemtrec-Chemical Transportation Emergency Center (US); CHIP-Chemical Hazard Information and Packaging; DSL-Domestic Substances List; EC-Equivalent Concentration; EH40 (UK)-HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA-Emergency Planning and Community Right-To-Know Act; ESL-Effects screening levels; GHS-Globally Harmonized System of Classification and Labelling of Chemicals; HMIS-Hazardous Material Information Service; IATA-International Air Transport Association; IMDG-International Maritime Dangerous Goods Code; LC-Lethal Concentration; LD-Lethal Dose; LEL-Lower Explosion Level; NFPA-National Fire Protection Association; OEL-Occupational Exposure Limit; OSHA-Occupational Safety and Health Administration, US Dept. of Labor; PEL-Permissible Exposure Limit; SARA (Title III)-Superfund Amendments and Reauthorization Act; SARA 313-Superfund Amendments and Reauthorization Act, Section 313; SCBA-Self-Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQ-Texas Commission on Environmental Quality; TLV-Threshold Limit Value; TSCA-Toxic Substances Control Act Public Law 94-469; TWA-Time Weighted Value; UEL-Upper Explosion Level; US DOT-US Department of Transportation; WHMIS-Workplace Hazardous Materials Information System.

Disclaimer: The information contained in this Safety Data Sheet (SDS) is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of Smooth-On Inc., it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.


Classifications of the chemical in accordance with 29 CFR 1910.1200, signal word, hazard and precautionary statement(s), symbol(s) and other information are based on listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS and EC No 1907/2006 and are considered trade secrets under US Federal Law (29 CFR and 40 CFR), Canadian Law (Health Canada Legislation), and European Union Directives.