



# SST<sup>®</sup>-4

## Safety Data Sheet

# LAB LUBE LLT001

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
 Date of issue: 02/17/2005      Revision date: 06/30/2021      Supersedes: 11/15/2019      Version: 2.03

### SECTION 1: Identification

#### 1.1. Identification

**Product form** : Substance  
**Trade name** : SST<sup>®</sup>-4 (Packaged as LAB LUBE LLT-001)  
**Product code** : SST4

#### 1.2. Recommended use and restrictions on use

**Recommended use** : Ink; Coating  
**Restrictions on use** : No additional information available

#### 1.3. Supplier

Shamrock Technologies, Inc.  
 Foot of Pacific Street  
 Newark, NJ 07114-2888  
 T +1 (800) 349-1822 - F +1 (973) 733-2143  
[customerserviceteam@shamrocktechnologies.com](mailto:customerserviceteam@shamrocktechnologies.com) - [www.shamrocktechnologies.com](http://www.shamrocktechnologies.com)

Packaged and sold as "LAB LUBE" by  
 LAB Security Systems  
 700 Emmett St, Bristol CT

#### 1.4. Emergency telephone number

**Emergency number** : CHEMTREC US: +1 (800) 424-9300 (24/7)  
 CHEMTREC INTERNATIONAL: +1 (703) 527-3887 (24/7)

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labelling

No labelling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Name	Product identifier	%	GHS-US classification
Polytetrafluoroethylene	(CAS No) 9002-84-0	100	Not classified

#### 3.2. Mixtures

Not applicable

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**First-aid measures general** : Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.

**First-aid measures after inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**First-aid measures after skin contact** : Wash with plenty of soap and water. After contact with molten product, cool skin area rapidly with cold water. Do not peel product from the skin. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

**First-aid measures after eye contact** : Rinse cautiously with water for several minutes. Obtain medical attention if pain, blinking or redness persists.

**First-aid measures after ingestion** : Call a POISON CENTER or doctor/physician if you feel unwell. Do NOT induce vomiting.

#### 4.2. Most important symptoms and effects (acute and delayed)

**Symptoms/injuries after inhalation** : Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Coughing, sneezes.

**Symptoms/injuries after skin contact** : Not expected to present a significant skin hazard under anticipated conditions of normal use.

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<b>Symptoms/injuries after eye contact</b>	: Not expected to present a significant eye contact hazard under anticipated conditions of normal use. Direct contact with the eyes is likely to be irritating.
<b>Symptoms/injuries after ingestion</b>	: Not expected to be a primary route of exposure.
<b>Chronic symptoms</b>	: No effects known.

**4.3. Immediate medical attention and special treatment, if necessary**

Treat symptomatically.

**SECTION 5: Fire-fighting measures****5.1. Suitable (and unsuitable) extinguishing media**

<b>Suitable extinguishing media</b>	: Foam. Dry powder. Carbon dioxide. Water spray. Sand. Alcohol-resistant foam.
<b>Unsuitable extinguishing media</b>	: Do not use a water jet since it may cause the fire to spread.

**5.2. Specific hazards arising from the chemical**

<b>Fire hazard</b>	: Hazardous thermal decomposition products may include, but not limited to: acid fluorides, fluorinated compounds, hydrogen fluoride, carbon monoxide, and carbon dioxide.
<b>Explosion hazard</b>	: Dust in the atmosphere and on surfaces may present a dust explosion hazard (for more information refer to OSHA Bulletin Combustible Dust in Industry: Preventing and Mitigating the Effects of Fire and Explosion and NFPA 654: Standard for the Prevention of Fire and Dust explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids).
<b>Reactivity</b>	: No decomposition if stored and applied as directed.

**5.3. Special protective equipment and precautions for fire-fighters**

<b>Precautionary measures fire</b>	: Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: have neighborhood close doors and windows.
<b>Firefighting instructions</b>	: Wear protective gloves, protective clothing. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
<b>Protection during firefighting</b>	: Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. Do not enter fire area without proper protective equipment, including respiratory protection.
<b>Special protective equipment for fire fighters</b>	: Self contained breathing apparatus (SCBA) or positive pressure airline with mask are to be used in oxygen-deficient atmospheres.
<b>Other information</b>	: Protect from hydrogen fluoride fumes which react with water to form hydrofluoric acid. Avoid breathing smoke and fumes. Exposure to fire/heat: keep upwind.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

<b>General measures</b>	: Ventilate the area thoroughly. Material can create slippery conditions. As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the preparation and ensure prompt removal from skin, eyes and clothing. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). No flames, no sparks. Eliminate all sources of ignition.
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**6.1.1. For non-emergency personnel**

<b>Protective equipment</b>	: Use personal protective equipment (PPE).
<b>Emergency procedures</b>	: Evacuate unnecessary personnel.
<b>Measures in case of dust release</b>	: In case of dust production: keep upwind. Dust production: have neighborhood close doors and windows.

**6.1.2. For emergency responders**

<b>Protective equipment</b>	: Equip cleanup crew with proper protection.
<b>Emergency procedures</b>	: Ventilate area. Follow emergency response plan and contact proper authorities if needed.

**6.2. Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

**6.3. Methods and material for containment and cleaning up**

<b>For containment</b>	: Carefully shovel or sweep up spilled material and place in suitable container.
<b>Methods for cleaning up</b>	: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.
<b>Other information</b>	: Observe environmental regulations while carefully cleaning contaminated floors and objects.

**6.4. Reference to other sections**

For further information refer to section 13. See Heading 8. Exposure controls and personal protection.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

- Additional hazards when processed** : Prevent the build-up of electrostatic charge. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.
- Precautions for safe handling** : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Provide appropriate exhaust ventilation at places of dust forming. In case of insufficient ventilation, wear suitable respiratory equipment.
- Safe use of the product** : Do not use a torch to clean this material from equipment without local exhaust ventilation and respirator.
- Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice.

**7.2. Conditions for safe storage, including any incompatibilities**

- Technical measures** : Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions** : Store in a well-ventilated place. Keep container tightly closed.
- Incompatible products** : Strong bases. Strong acids.
- Incompatible materials** : Sources of ignition. Direct sunlight.
- Storage area** : Store in a dry area. Meet the legal requirements.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

No additional information available.

**8.2. Appropriate engineering controls**

- Appropriate engineering controls** : Ensure good ventilation of the work station.
- Environmental exposure controls** : Avoid release to the environment. Do not exceed the occupational exposure limits (OEL). Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

**8.3. Individual protection measures/Personal protective equipment**

- Personal protective equipment** : Avoid all unnecessary exposure. Gloves. Protective goggles. Protective clothing. Safety glasses.
- Hand protection** : Heat resistant gloves. Chemically resistant protective gloves. Impermeable protective gloves. Protective gloves.
- Eye protection** : Safety glasses with side shields. Chemical goggles or safety glasses.
- Skin and body protection** : Protective clothing. Protective gloves.
- Respiratory protection** : The workers must use appropriate certified respirators when they are facing concentrations above the exposure limit. Wear appropriate mask.
- Other information** : Do not eat, drink or smoke during use.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

- Physical state** : Solid
- Appearance** : Free flowing powder
- Colour** : Off-white
- Odour** : Odourless
- Odour threshold** : No data available
- pH** : No data available
- Melting point** : 320 °C
- Freezing point** : No data available
- Boiling point** : No data available
- Flash point** : No data available
- Relative evaporation rate (butylacetate=1)** : No data available
- Flammability (solid, gas)** : No data available
- Vapour pressure** : No data available

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<b>Relative density</b>	: No data available
<b>Relative vapour density at 20 °C</b>	: No data available
<b>Density</b>	: 2.15 g/cm <sup>3</sup>
<b>Solubility</b>	: Insoluble in water
<b>Log Pow</b>	: No data available
<b>Auto-ignition temperature</b>	: No data available
<b>Decomposition temperature</b>	: > 315 °C
<b>Viscosity, kinematic</b>	: No data available
<b>Viscosity, dynamic</b>	: No data available
<b>Explosion limits</b>	: No data available
<b>Explosive properties</b>	: No data available
<b>Oxidizing properties</b>	: No data available

**9.2. Other information**

No additional information available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No decomposition if stored and applied as directed.

**10.2. Chemical stability**

Stable under normal conditions. Combustible Dust.

**10.3. Possibility of hazardous reactions**

Small amounts of hazardous gases and/or particulate matter may be released during drying, cleaning and moulding processes. These may irritate eyes, nose and throat. Large molten masses may give off hazardous gases.

**10.4. Conditions to avoid**

Overheating. Thermal decomposition. Abnormally long processing time or high temperatures can produce irritating and toxic fumes. Direct sunlight. Extremely high or low temperatures.

**10.5. Incompatible materials**Finely divided aluminium powdered metals, potent oxidizers like fluorine (F<sub>2</sub>), and related compounds. May cause fire and explosion when in contact with incompatible materials. Strong oxidizers. Strong acids. Strong bases.**10.6. Hazardous decomposition products**

Hazardous thermal decomposition products may include, but not limited to: acid fluorides, fluorinated compounds, hydrogen fluoride, carbon monoxide, and carbon dioxide.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

<b>Acute toxicity (oral)</b>	: Not classified
<b>Acute toxicity (dermal)</b>	: Not classified
<b>Acute toxicity (inhalation)</b>	: Not classified
<b>Skin corrosion/irritation</b>	: Not classified
<b>Serious eye damage/irritation</b>	: Not classified
<b>Respiratory or skin sensitisation</b>	: Not classified
<b>Germ cell mutagenicity</b>	: Not classified
<b>Carcinogenicity</b>	: Not classified
<b>Reproductive toxicity</b>	: Not classified
<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 classified

**SECTION 12: Ecological information****12.1. Toxicity****Ecology - general** : No ecological assessment has been carried for this product.

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**12.2. Persistence and degradability****Polytetrafluoroethylene (9002-84-0)**

Persistence and degradability	No degradability data available.
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**12.3. Bioaccumulative potential****Polytetrafluoroethylene (9002-84-0)**

Bioaccumulative potential	No bioaccumulation data available.
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**12.4. Mobility in soil****Polytetrafluoroethylene (9002-84-0)**

Mobility in soil	No mobility data available.
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**12.5. Other adverse effects**

**Effect on the global warming** : No known ecological damage caused by this product.

**Other information** : Avoid release to the environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

- Waste treatment methods** : Like most thermoplastic plastics the product can be recycled. If recycling is not practicable, dispose of in compliance with local regulations. Incinerate only if incinerator is capable of scrubbing out hydrogen fluoride and other acidic combustion products.
- Waste disposal recommendations** : Remove waste in accordance with local and/or national regulations. Recycle/reuse. Dispose in a safe manner in accordance with local/national regulations. In case of incineration, the temperature must be higher than 800 °C. Treat exhaust gas such as HF in a suitable way.

**SECTION 14: Transport information****Department of Transportation (DOT)**

In accordance with DOT  
Not regulated for transport

**TDG**

No additional information available

**Transport by sea**

No additional information available

**Air transport**

No additional information available

**SECTION 15: Regulatory information****15.1. US Federal regulations**

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**15.2. International regulations****CANADA****SST<sup>®</sup>-4 (9002-84-0)**

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List)
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**EU-Regulations****SST<sup>®</sup>-4 (9002-84-0)**

All components of this product are listed, or excluded from listing, on EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
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## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

## National regulations

SST<sup>®</sup>-4 (9002-84-0)

All components of this product are listed, or excluded from listing, on KECI (Korean Existing Chemicals Inventory)  
 All components of this product are listed, or excluded from listing, on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
 All components of this product are listed, or excluded from listing, on AICS (Australian Inventory of Chemical Substances)  
 All components of this product are listed, or excluded from listing, on NZIoC (New Zealand Inventory of Chemicals)  
 All components of this product are listed, or excluded from listing, on ENCS (Japanese Existing & New Chemical Substances inventory)  
 All components of this product are listed, or excluded from listing, on TCSI (Taiwan Chemical Substance Inventory)  
 All components of this product are listed, or excluded from listing, on KKDIK (Turkey Chemical Substance Inventory)  
 All components of this product are listed, or excluded from listing, on NCI (Draft Vietnam National Chemicals Inventory)  
 All components of this product are listed, or excluded from listing, on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

## 15.3. US State regulations

**⚠ WARNING:** This product can expose you to Perfluorooctanoic acid (PFOA), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Component	Carcinogenicity	Developmental toxicity	Reproductive toxicity male	Reproductive toxicity female	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Perfluorooctanoic acid (PFOA) (335-67-1)	No	Yes	No	No		

## SECTION 16: Other information

Revision date : 06/30/2021

## Other information

NFPA health hazard

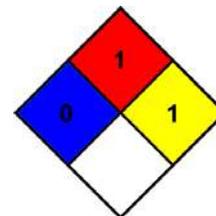
: 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard

: 1 - Must be preheated before ignition can occur.

NFPA reactivity

: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



HMIS III Rating

Health

: 0 Minimal Hazard - No significant risk to health

Flammability

: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical

: 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

Personal Protection

: D

D - Face shield and eye protection, Gloves, Synthetic apron

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*