

## 1. Identification

Product Identifier: CSL901 Equipment Cleaner  
 Use: Equipment cleaner  
 Manufacturer: CSL Silicones Inc.  
 144 Woodlawn Road West, Guelph, ON, N1H 1B5  
 Canada  
 Manufacturer Phone: North America: 1.800.265.2753 Worldwide: +1 519.836.9044  
 Emergency Phone: +1 519.836.9044 Monday – Friday, 8:00 A.M. – 5:00 P.M. Eastern Time Zone, UTC-05:00  
 Emergency Contact: Baz Mistry, Laboratory Manager; Farooq Ahmed, R&D Manager

## 2. Hazards Identification

GHS Hazard Classification: Aspiration Hazard – Category 1  
 Flammable Liquid – Category 3  
 Specific Target Organ Toxicity (STOT) Single Exposure – Category 3

GHS Hazard Symbols:



GHS Signal Word:                      Warning                      Danger                      Warning

GHS Hazard Statements: H226 – Flammable liquid and vapour.  
 H304 – May be fatal if swallowed and enters airway.  
 H336 – May cause drowsiness or dizziness.

GHS Precautionary Statements:

Prevention: P210 – Keep away from heat/sparks/open flames/hot surfaces. 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 only non-sparking tools.  
 P243 – Take precautionary measures against static discharge.  
 P261 – Avoid dust/fume/gas/mist/vapours/spray.  
 P271 – Use only outdoors or in a well ventilated environment.  
 P273 – Avoid release to the environment.  
 P280 – Wear protective gloves/protective clothing/eye protection/face protection.

Response: P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P303+P361+P353 – IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P331 – Do not induce vomiting.  
 P370+P378 – In case of fire: Use appropriate media for extinction.

Storage: P403+P233+P235 – Store in a well-ventilated place. Keep container tightly closed. Keep cool.



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|  |  |
|--|--|
| Disposal:  | P501 – Dispose of contents/container to waste in accordance with local and national regulations.   |
| Other Hazards which do not result in GHS classification: | May form flammable/explosive vapour-air mixture.<br>This material is a static accumulator.<br><br>Even with proper grounding and bonding, this material can still accumulate an electrostatic charge.<br><br>If sufficient charge is allowed to accumulate, electrostatic discharge and ignition of flammable air-vapour mixtures can occur. |

### 3. Composition / Information on Ingredients

| Chemical Name                           | Common or Other Name               | CAS Number | Percent by Weight |
|---|------------------------------------|------------|-------------------|
| Naphtha (petroleum), hydrotreated heavy | Petroleum naphtha; Solvent naphtha | 64742-48-9 | 100               |
| Other Ingredients                       |                                    |            | 0                 |

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classification as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### 4. First Aid Information

IF POISONING IS SUSPECTED, immediately contact the poison control center, doctor or nearest hospital. Have the product container, label or Safety Data Sheet with you when calling CSL Silicones Inc., a poison control center or doctor, or going for treatment. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

|               |   |
|---------------|---|
| Inhalation:   | The affected person should be moved to fresh air and made comfortable. Obtain medical attention as a precaution.  |
| Eye Contact:  | Do not attempt to remove solids or gums from the eye. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes, holding the eyelids open. After 5 minutes, remove contact lenses if present and possible, and continue rinsing. Obtain medical attention immediately.   |
| Skin Contact: | Remove contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. If symptoms persist, obtain medical attention. Contaminated clothing should be laundered before re-use.  |
| Ingestion:    | Never give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. DO NOT INDUCE VOMITING – product contains petroleum naphtha, swallowing/vomiting may cause chemical pneumonitis. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. OBTAIN MEDICAL ATTENTION IMMEDIATELY. |

#### Most Important Symptoms/Effects:

If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever.

Defatting dermatitis signs and symptoms may include a burning sensation and/or a dried/cracked appearance.

#### Indication of Immediate Medical Attention and Special Treatment Needed:

Product contains petroleum naphtha – swallowing/vomiting may cause chemical pneumonitis.

There is no specific antidote if this product is ingested.

Treat symptomatically.

## 5. Fire Fighting Measures

### Suitable Extinguishing Media:

Foam, water spray or fog, dry chemical powder, carbon dioxide.

### Unsuitable Extinguishing Media:

Do not use water jet as an extinguisher as this may spread the fire.

### Specific Hazards:

Hazardous combustion products may include a complex of airborne solid and liquid particulates and gases (smoke). Unidentified organic and inorganic compounds.

Flammable vapours may be present even at temperatures below the flash point.

Vapour is heavier than air, spreads along the ground and distant ignition is possible.

Will float and can be reignited on surface water.

### Special Protective Equipment and Precautions for Firefighters:

Sealant will burn if heated strongly. Water can be used to cool material below flash point. Sealant may emit noxious or toxic fumes. Self-Contained Breathing Apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. Full protective clothing should be worn at all times.

## 6. Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures:

Make sure all personnel involved in the clean-up follow good industrial hygiene practices. A small spill can be handled routinely. Use adequate ventilation and equipment, and wear protective clothing as detailed in Section 8 Exposure Controls / Personal Protection and/or the product label.

Do not breathe fumes, vapour.

Do not operate electrical equipment.

### Methods and Materials for Containment and Cleaning Up:

Restrict access to area of spill. Provide ventilation and protective clothing as required for the situation. Scrape-up sealant with cardboard or a rag and place in a disposal container.

### Environmental Precautions:

Review local, regional and/or national regulations for disposal. Silicone wastes can often be incinerated in approved facilities. Solid waste can often be sent to designated landfill sites.

## 7. Handling and Storage

### Precautions for Safe Handling:

Avoid breathing of or direct contact with this material. Only use in well ventilated areas.

Even with proper grounding and bonding, this material can still accumulate an electrostatic charge. If sufficient charge is allowed to accumulate, electrostatic discharge and ignition of flammable air-vapour mixtures.

Flammable vapours may be present even at temperatures below the flash point.

Vapour is heavier than air, spreads along the ground and distant ignition is possible.

Be aware of handling operations that may give rise to additional hazards that result from the accumulation of static charges.

KEEP OUT OF REACH OF CHILDREN. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Avoid breathing vapours. Wear full protective clothing and equipment as detailed in Section 8 Exposure Controls / Personal Protection. After work, rinse gloves and remove protective equipment, and wash hands thoroughly with soap and water after handling, and before eating, tobacco use, drinking, applying cosmetics or using the toilet. Wash contaminated clothing before re-use and separate from household laundry.



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### Conditions for Safe Storage, Including any Incompatibilities:

Store in cool dry conditions. Keep container tightly sealed when not in use. Protect product and contaminated materials from uncontrolled release into the environment, or from access by animals, birds or unauthorized people. Clean up spilled material immediately.

## 8. Exposure Controls / Personal Protection

### Control Parameters:

| Chemical Name                              | OSHA PEL            | ACGIH TLV   | Other               | NTP/IARC/<br>OSHA<br>Carcinogen | Canada TLV          |
|--|---------------------|---|---------------------|---------------------------------|---------------------|
| Naphtha (petroleum),<br>hydrotreated heavy | Not<br>established. | 200 mg/m <sup>3</sup><br>(total<br>hydrocarbon<br>vapour) | Not<br>established. | Not<br>established.             | Not<br>established. |

REL = recommended exposure limit; STEL = short-term exposure limit; TLV = threshold limit value; TWA = time weighted average

### Appropriate Engineering Controls:

If necessary, ensure work areas have adequate ventilation, containment, and procedures sufficient to maintain airborne levels below the TLV. Provide separate washing/shower and eating facilities.

### Individual Protection Measures:

**General:** Avoid breathing dusts, vapours or aerosols. Avoid contact with eye, skin and clothing. Wash thoroughly after handling, and before eating, drinking, applying cosmetics or handling tobacco.

**Eye/Face Protection:** Safety glasses / chemical splash goggles.

**Skin Protection:** Impervious gloves, coveralls and/or aprons may be useful to prevent contamination of skin and clothing. Choose gloves to protect hands against chemicals depending on the concentration specific to the place of work. Breakthrough time is not determined for the product. Change gloves often. We recommend clarifying the resistance of chemicals to protective gloves with the glove manufacturer. Wash hands before breaks and at the end of the workday.

**Respiratory Protection:** General and local exhaust ventilation is recommended to maintain vapour exposures below the recommended limits. Where concentrations are unknown or are above the recommended limits, a NIOSH/MSHA approved respirator with an organic vapour cartridge should be used. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplier respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

## 9. Physical and Chemical Properties

Appearance: Light coloured liquid.

Odour: Hydrocarbon odour.

Odour Threshold: Not established.

pH: Not applicable.

Melting Point: Not applicable.

Freezing Point: Not available.

Initial Boiling Point: 149 °C (300 °F)

Boiling Point Range: 149 - 213 °C (300 - 415 °F)

Flash Point: Typical 40 - 46 °C (104 - 115 °F)

Evaporation Rate: 80, DIN 53170, di-ethyl ether = 1

Flammability: Class 3, flammable liquid.

Upper/Lower Flammability Limits: LEL 0.6%, UEL 6%

Vapour Pressure: 300 Pa (20 °C / 68 °F)

Vapour Density: 4.8

Relative Density: 0.77 - 0.79 (15 °C / 59 °F)

Solubility(ies): Insoluble - water. Soluble in hydrocarbon solvents.

Partition Coefficient (n-octanol/water): Log Pow 5 - 6.7

Auto-Ignition Temperature: 230 - 270 °C  
(446 - 518 °F) ASTM E-659

Decomposition Temperature: Not available.

Viscosity: Kinematic 1.14 mm<sup>2</sup>/s (25 °C / 77 °F)

VOC Content: 693 g/L (5.78 lb/gallon)

## 10. Stability and Reactivity

Reactivity:

Not reactive under normal use and storage conditions.

Stability:

Stable under normal use and storage conditions.

Possibility of Hazardous Reactions:

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

Conditions to Avoid:

Avoid heat, sparks, open flames and other ignition sources. In certain circumstances, product can ignite due to static electricity.

Incompatible Materials:

Strong oxidizing agents.

Hazardous Decomposition Products:

Hazardous combustion products may include a complex of airborne solid and liquid particulates and gases (smoke), including, but not limited to silicon dioxide, carbon dioxide and carbon monoxide.

## 11. Toxicological Information

Relevant routes of exposure:

|              | Acute Effects   | Chronic Effects   |
|--------------|---|---|
| Inhalation   | May cause irritation of nose, throat and respiratory tract. Signs and symptoms include coughing and difficulty in breathing. Breathing of high vapour concentrations may cause central nervous system depression resulting in dizziness, light headedness, headache, nausea and loss of coordination. | Effects unknown.  |
| Ingestion    | If swallowed, may be aspirated and cause chemical pneumonitis which can be fatal.   | Effects unknown.  |
| Skin Contact | May cause moderate irritation to skin.  | Repeated exposure may cause dryness and cracking of the skin. |
| Eye Contact  | May be irritating to eyes. Signs and symptoms include burning sensation, redness, swelling and/or blurred vision.   | Effects unknown.  |
| Other        | Not applicable.   | Not applicable.   |

### Acute Toxicity:

LD50, oral, rat >5,000 mg/kg

LC50, inhalation, rat, greater than near saturated vapour concentration

LD50, rabbit >5,000 mg/kg

### Skin Irritation:

Causes mild skin irritation. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.

### Eye Irritation:

Not irritating to eye.

### Mutagenicity:

Not mutagenic.

### Carcinogenicity:

Not expected to be carcinogenic. Tumours produced in animals are not considered relevant to humans.

The ingredients of this product are not listed as carcinogens by the National Toxicology Program, and have not been evaluated by the International Agency for Research on Cancer (IARC) or the American Conference of Government Industrial Hygienists (ACGIH) (if not detailed above).

### Reproductive Toxicity:

Not expected to impair fertility.

### Teratogenicity:

Not expected to be a development toxicant.

### Specific Target Organ Toxicity (STOT) – Single Exposure:

May cause drowsiness and dizziness.



**Specific Target Organ Toxicity (STOT) – Repeated Exposure:**

Kidney: caused kidney effects in male rats which are not considered relevant to humans.

**Aspiration Hazard:**

Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

**Chronic Toxicity:**

No data available.

**12. Ecological Information**

**Ecotoxicity – Acute:**

Expected to be not toxic at limit of water solubility.

**Ecotoxicity – Chronic:**

No data available.

**Persistence and Degradability:**

Inherently biodegradable. Oxidizes rapidly by photo-chemical reactions in air.

**Bioaccumulative Potential:**

Has the potential to bioaccumulate.

**Mobility in Soil:**

Floats on water. If it enters oil, it will adsorb to soil particles and will not be mobile.

**Other Adverse Effects:**

No data available.

**13. Disposal Considerations**

**Disposal Methods:**

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**14. Transport Information**

**Transport Information**

|  | Land Transport<br>(TDG/ USDOT) | Sea Transport<br>(AND/MDG)    | Air Transport<br>(IATA-DGR) |
|--|--------------------------------|-------------------------------|-----------------------------|
| This material is not subject to transport regulations. |                                |                               |                             |
| UN Number  |                                | UN 1268                       |                             |
| UN Proper Shipping Name                                |                                | Petroleum distillates, n.o.s. |                             |
| Transport Hazard Class                                 |                                | 3                             |                             |
| Packing Group  |                                | PGIII                         |                             |
| Environmental Hazards                                  |                                |                               |                             |

**Special Precautions for User:**

Not applicable.

**Transport in Bulk According to Annex II of Marpol 73/78 and the IBC Code:**

Pollution category: Annex I. Product name: Solvent naphtha.

## 15. Regulatory Information

### Canadian Federal Regulations

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR), and the MSDS contains all the information required by the HPR.

DSL Inventory:

All chemical substances in this material are included in or exempted from the DSL.

### US Federal Regulations

TSCA Inventory:

All chemical substances in this material are included in or exempted from the TSCA.

CERCLA Reportable Quantity:

None present on none present in regulated quantities.

SARA 304 Extremely Hazardous Substances Reportable Quantity:

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazard Categories:

Flammable liquid.

Acute toxicity.

SARA 302 Extremely Hazardous Substance:

No chemicals in this material are subject to reporting requirements of SARA Title III, Section 302

SARA 313 Emergency Release Notification:

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

### US State Regulations

U.S. California Proposition 65

No ingredient regulated by CA Prop 65 present.

U.S. New Jersey Worker and Community Right-to-Know Act

No ingredient regulated by NJ Right-to-Know Law present.

U.S. Massachusetts Right-to-Know Act- Substance List

No ingredient regulated by MA Right-to-Know Law present.

U.S. Pennsylvania Right-to-Know Act - Hazardous Substances

Naphtha (petroleum), hydrotreated heavy, CAS 64742-88-7, 100%

U.S. Rhode Island Right-Know Act

No ingredient regulated by RI Right-to-Know Law present.

### Other Regulations

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.





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#### The ingredients of this product are reported in the following inventories:

|                        |   |
|------------------------|---|
| AICS (Australia)       | On or in compliance with the inventory. |
| DSL (Canada)           | On or in compliance with the inventory. |
| ENCS/ISHL (Japan)      | On or in compliance with the inventory. |
| IECSC (China)          | On or in compliance with the inventory. |
| KECI (Korea)           | On or in compliance with the inventory. |
| NZIoC (New Zealand)    | On or in compliance with the inventory. |
| PICCS (Phillipines)    | On or in compliance with the inventory. |
| REACH (European Union) | On or in compliance with the Inventory. |
| TSCA (USA)             | On or in compliance with the inventory. |

## 16. Other Information

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

It is the responsibility of persons in receipt of this product Safety Data Sheet (SDS) to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product.

All information and instructions provided in this Safety Data Sheet are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. CSL Silicones shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

This Safety Data Sheet has been prepared in compliance with applicable Canadian and United States law. If you purchase this material outside Canada or the United States, where compliance laws may differ, you should receive from your local CSL Silicones supplier a SDS applicable to the country in which the product is sold or intended to be used. Please note that the appearance and contents of the SDS may vary, even for the same product, between different countries, reflecting the compliance requirements.