

# SAFETY DATA SHEET

## SECTION 1. IDENTIFICATION

**Product Name:** Con-Spec GSR II  
**Other Means of Identification:** CS GSRII

**Recommended Product Use:** General purpose degreaser for concrete and other surfaces  
**Restrictions on Use:** None known

### Manufacturer/Importer/Supplier/Distributor Information:

**Company:** Con-Spec Industries Ltd.  
**Address:** 9525 - 63 Avenue NW  
Edmonton, Alberta T6E 0G2  
**Contact:** Robert Lummerding  
**Telephone:** 1 (780) 437-6136  
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**Emergency Telephone:** CANUTEC (613) 996-6666

## SECTION 2. HAZARD(S) IDENTIFICATION

### Emergency Overview

**Appearance:** Liquid  
**Colour:** Clear  
**Odour:** Citrus

**GHS Classification:**

Flammable liquids	Category 3
Skin corrosion/irritation	Category 2
Eye damage/irritation	Category 2B
Skin sensitization	Category 1
Specific Target Organ Toxicity	Category 3
Aspiration hazard	Category 1
Hazardous to the aquatic environment, acute hazard	Category 1

**Label Elements:**  
**Pictogram:**



**Signal Word:** Danger

**Hazard Statement:**

- H226: Flammable liquid and vapour.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.
- H400: Very toxic to aquatic life.

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### SECTION 2. HAZARD(S) IDENTIFICATION (Cont.)

**Precautionary Statement:****Prevention:**

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P264 Wash skin thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/ eye protection/ face protection.

**Response:**

- P301+P330+P331+P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.
- P303+P352+P333+P313 IF ON SKIN (or hair): Wash with plenty of water. If skin irritation or rash occurs. Get medical advice/ attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
- P370+P378 In case of fire: Use CO<sub>2</sub>, foam, dry chemical, water fog to extinguish.

**Storage:**

- P405+P403+P235 Store locked up. Store in a well-ventilated place. Keep cool.

**Disposal:**

- P501 Dispose of contents/container in accordance with local regulation.

### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Mixtures:**

Chemical Identity	CAS Number	Concentration [%]*
d-limonene	5989-27-5	50 - 95
Alcohols, C9-11, ethoxylated	68439-46-3	1 - 5
Propylene glycol propyl	1569-01-3	1 - 5

**Composition comments:** \*All concentrations are percent by weight unless ingredient is a gas.  
Gas concentrations are in percent by volume.

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### **SECTION 4. FIRST-AID MEASURES**

**General Advice:** Consult a physician. Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

**Inhalation:** If difficulties occur after mist/vapours/spray has been inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If unconscious place in recovery position and seek medical advice.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before re-use. If skin irritation persists, call a physician.

**Eye Contact:** Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

**Ingestion:** Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Product presents an aspiration hazard. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

#### **Most Important Symptoms/Effects, Acute and Delayed:**

Effects are immediate and delayed. Symptoms may include blistering, irritation, burns, and pain. Effects are dependent on exposure (dose, concentration, contact time). Contact with eyes may cause serious damage leading to irritation, discomfort or pain, excess blinking and tear production with marked excess redness and swelling of the conjunctiva. Contact with skin may cause irritation with local redness. May cause an allergic skin reaction with prolonged or repeated exposure. Inhalation of mist/vapours/spray may cause respiratory tract irritation leading to a temporary burning sensation of the nose and throat, coughing, and difficulty breathing. Ingestion may cause irritation or a burning sensation of the mouth and throat and abdominal pain. May cause pneumonitis if aspirated. Review section 2 of SDS to see all potential hazards.

**Notes to physician:** Treat symptomatically. Symptoms may be delayed.

### **SECTION 5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:** Alcohol-resistant foam, Carbon dioxide (CO<sub>2</sub>), Dry chemical.

**Unsuitable Extinguishing Media:** High volume water jet or solid stream water, as this may spread the fire.

**Specific Hazards during Firefighting:** Do not allow run-off from fire fighting to enter drains or water courses.

**Hazardous combustion products:** Oxides of carbon, nitrogen, and sulphur and other irritating gases.

**Specific extinguishing methods:** Standard procedure for chemical fires.

**Further information:** Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

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### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Avoid contact with skin, eyes and clothing. Remove all sources of ignition. Ensure adequate ventilation. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**Environmental precautions:**

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

**Methods and materials for containment and cleaning up:**

Soak up condensate with inert absorbent material and collect in ventilated waste container for disposal. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### **SECTION 7. HANDLING AND STORAGE**

**Advice on safe handling:**

Do not breathe vapours or spray mist. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**Conditions for safe storage:**

No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

**Materials to avoid:**

Strong oxidizing agents. Do not store near acids.

### **SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Components with workplace control parameters:** Contains no substances with occupational exposure limit values.

**Engineering measures:** Ensure adequate ventilation, especially in confined areas. Ensure eye wash station is available. Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

**Personal Protective Equipment**

**Respiratory:** Use respiratory protection unless adequate local exhaust ventilation is provided. If ventilation is inadequate, NIOSH/MSHA approved respiratory protection for organic vapors should be worn. Refer to 29 CFR 1910.134, ANSI Z88.2, or European Standard EN 149 for complete regulations.

**Hand protection Material:** Wear chemical resistant gloves such as: rubber, nitrile, neoprene, or latex when skin contact is possible.

**Skin Protection:** Protective clothing including gloves, apron, sleeves, boots, head and face protection should be worn depending on how the product is used. PPE should be cleaned thoroughly after each use.

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### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION (Cont.)

**Eye Protection:** Tightly fitting safety goggles. Wear face-shield and protective suit for abnormal processing problems. Keep safety eyewash station nearby.

**Hygiene measures:** When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

**Additional Remarks:** Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>		<b>Vapour Pressure:</b>	0.25 kPa (1.9 mm Hg) [20°C]
<b>Physical State:</b>	Liquid	<b>Vapour Density:</b>	5 [Air = 1]
<b>Form:</b>	Liquid	<b>Specific Gravity:</b>	0.865
<b>Colour:</b>	Clear	<b>Solubility(ies)</b>	
<b>Odour:</b>	Mild Citrus	<b>Solubility in Water:</b>	Emulsifiable (Rapidly separates, < 1 hour)
<b>Odour Threshold:</b>	No data available	<b>Solubility (other):</b>	Not applicable
<b>PH:</b>	Not applicable	<b>Partition Coefficient (n-octanol/water):</b>	No data available
<b>Melting Point/Freezing Point:</b>	< -7°C (18°F)	<b>Auto-ignition Temperature:</b>	Not determined
<b>Boiling Point:</b>	161°C (322°F)	<b>Thermal decomposition:</b>	No data available
<b>Flash Point:</b>	52°C (125°F) Method: TCC	<b>Viscosity:</b>	No data available
<b>Evaporation Rate:</b>	<0.05 (Water = 1)		
<b>Upper/Lower Explosive Limits</b>	No data available		

### SECTION 10. STABILITY AND REACTIVITY

**Reactivity:** Stable

**Chemical Stability:** Stable under normal conditions. Only reactive under extreme conditions such as very high heat or pressure, or in the presence of specific incompatible materials.

**Possibility of Hazardous Reactions:** No hazardous reactions if stored and applied as directed.

**Conditions to Avoid:** Flammable liquid. Keep away from heat, sparks and flame or other sources of ignition.

**Incompatible Materials:** Oxidizing agents. Strong acids

**Hazardous Decomposition Products:** No decomposition if stored and applied as directed.  
Refer to Section 5: Fire Fighting Measures.

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Component Toxicity

**d-limonene:** LD50 Oral Rat: 4,400 mg/kg LD50 Dermal Rabbit: > 5,000 mg/kg  
LC50 Inhalation: >1,000 mg/kg

#### Likely Routes of Exposure

**Skin** Causes skin irritation and possible sensitization.  
**Eyes** Causes mild eye irritation.  
**Inhalation** May cause respiratory irritation and possible damage.  
**Ingestion** May be harmful if swallowed

**Acute Toxicity Estimates (ATE)** No Data

#### STOT (Specific Target Organ Toxicity)

**STOT - single exposure** No data available  
**STOT - repeated exposure** No data available

**Aspiration toxicity:** May be fatal if swallowed and enters airways.

**Skin corrosion/irritation** Irritating to skin.

**Serious eye damage/eye irritation** May cause irreversible eye damage.

**Respiratory or skin sensitization** May cause an allergic skin reaction.

#### Carcinogenicity

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**Reproductive toxicity** No data available

**Germ cell mutagenicity** No data available

**Interactive Effects** No Data

#### Potential Health Effects

**Aggravated Medical Condition:** None known.

**Symptoms of Overexposure:** Effects are immediate and delayed. Symptoms may include blistering, irritation, burns, and pain. Effects are dependent on exposure (dose, concentration, contact time).

**Further information** Solvents may degrease the skin.

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### **SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** Acute toxicity for aquatic vertebrates and invertebrates estimated to be about 1 mg/l. Acute toxicity for bacteria (sludge) estimated to be about 5 mg/l.

**Persistence and degradability:** Expected to be readily biodegradable.

**Bioaccumulative potential:**

**Product:** d-Limonene because of its rapid degradation, are estimated to have a low BCF (log Pow < 3).

**Biodegradability:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

**Additional ecological information:** No data available

### **SECTION 13. DISPOSAL CONSIDERATIONS**

**Residue Waste:** Dispose of in accordance with local, state, and federal regulations. Refer to 40 CFR 260 - 299 for complete waste disposal regulations for alkaline materials. Consult your local, state, or federal agency before disposing of any chemicals.

**Contaminated Packaging:** Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

### **SECTION 14. TRANSPORT INFORMATION**

#### **Transportation Regulation (TDG) / Règlement Pour Le Transport (TMD): (Canada):**

<b>UN Proper Shipping Name</b>	Flammable Liquid, N.O.S., (contains d-limonene)
<b>Technical Name</b>	d-Limonene
<b>UN Number</b>	1993
<b>Transport Hazard Class</b>	3
<b>Packaging Group</b>	III
<b>Label</b>	Flammable
<b>Environmental Hazards</b>	Marine Pollutant
<b>Bulk Transport</b>	Not Regulated
<b>Special Precaution</b>	None
<b>DOT (Department of Transportation)</b>	Not Regulated

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### SECTION 15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

**WHMIS Classification:** Class B-3; D-2B

The components of this product are reported in the following inventories:

- DSL** Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the NSN regulations.
- IDL** Components of this product identified by CAS number and listed on the Canadian IDL are shown in Section 3.
- TSCA** All components of this product are listed on the U.S. TSCA Inventory or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

#### Inventory Acronym and Validity Area Legend:

- DSL (Canada):** Domestic Substances List  
**IDL (Canada):** Ingredient Disclosure List  
**NDSL (Canada):** Non-Domestic Substances List  
**NSN (Canada):** New Substances Notification  
**TSCA (USA):** Toxic Substance Control Act

### SECTION 16. OTHER INFORMATION

**Revision Date:** February 15, 2022

**Version #:** 1.1

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