

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product Name: Grease & Spot Remover
Other Means of Identification: CS GSR-1

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
Fax: 1 (780) 437-5242
E-Mail: conspec@shaw.ca

Emergency Telephone: CANUTEC (613) 996-6666

SECTION 2. HAZARD(S) IDENTIFICATION

Emergency Overview

Appearance: Liquid
Colour: Clear, Light Rust
Odour: Mild 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

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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Precautionary Statement:

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

Response: 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.
P302 + P352 + P333 + P313 IF ON SKIN: 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.
P301 + P330 + P331 + P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting Immediately call a POISON CENTER/doctor.
P370 + P378 In case of fire: Use CO₂, dry chemical water fog to extinguish. Do not use solid water stream as it may spread the fire

Storage: P403 + P235: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container in accordance with local regulation.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures:

Chemical Identity	CAS Number	Concentration [%]*
Dipentene	138-86-3	50 - 90
Alcohols, C9-11, ethoxylated	68439-46-3	1 - 5

Other Unique Identifiers The balance of ingredients constitutes a proprietary blend.

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/vapors/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. If symptoms persist, call a physician.

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: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Ingestion: Rinse mouth. Do NOT induce vomiting. Product presents an aspiration hazard. Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to an unconscious person.

Most Important Symptoms/Effects, Acute and Delayed:

Effects are immediate and delayed. 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/vapors/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. Symptoms may include blistering, irritation, burns, and pain. Effects are dependent on exposure (dose, concentration, contact time).

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

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: CO₂, foam, dry chemical, water fog.

Unsuitable Extinguishing Media: Solid water stream 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: Smoke, fumes or vapors, oxides of carbon.

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:	Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Remove all sources of ignition. 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. Avoid storing above 120°F (49°C).

Materials to avoid: 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:	Effective ventilation in all processing areas.
Personal Protective Equipment Respiratory:	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
Hand protection Material:	Protective gloves. Note: The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye Protection:	Tightly fitting safety goggles. Wear face-shield and protective suit for abnormal processing problems.

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Skin Protection: Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State:	Liquid
Form:	Liquid
Colour:	Clear, Light Rust
Odour:	Mild Citrus
Odour Threshold:	No data available
PH:	No data available
Melting Point/Freezing Point:	-7°C (19°F)
Boiling Point:	161°C (322°F)
Flash Point:	52°C (125°F) Method: TCC 54°C (130°F) Method: COC
Evaporation Rate:	<0.05 (Water = 1)
Upper/Lower Explosive Limits	No data available
Vapour Pressure:	0.25 kPa (1.9 mm Hg) [20°C]
Vapour Density:	5 [Air = 1]
Specific Gravity:	0.85
Solubility(ies)	
Solubility in Water:	Emulsifiable
Solubility (other):	Not applicable
Partition Coefficient (n-octanol/water):	No data available
Auto-ignition Temperature:	Not determined
Thermal decomposition:	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:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid:	Flammable liquid. Do not store near sources of heat, sparks, open flame, or other ignition sources.
Incompatible Materials:	Oxidizing agents. Strong acids
Hazardous Decomposition Products:	No decomposition if stored and applied as directed. Carbon monoxide and dioxide.

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SECTION 11. TOXICOLOGICAL INFORMATION

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).

Acute toxicity

Components:

Dipentene (138-86-3):

Acute oral toxicity:LD50 Oral Rat: Not Available

Acute dermal toxicity: LD50 Dermal Rabbit: > 2,000 mg/kg

Alcohols, C9-11, ethoxylated:

Acute oral toxicity:LD50 Oral Rat: 1,400 mg/kg

Likely Routes of Exposure:

Skin

Causes skin irritation and possible sensitization.

Eye

Causes mild eye irritation.

Respiratory

May cause respiratory irritation and possible damage.

Ingestion

May be harmful if swallowed.

Skin Corrosion / Irritation

Irritant

Serious Eye Damage / Irritation

Irritant

Respiratory or Skin Sensitization

May cause an allergic skin reaction.

Acute Toxicity Estimates (ATE)

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity:

May be fatal if swallowed and enters airways.

Carcinogenicity

Contains no known carcinogens.

Germ cell mutagenicity:

No data available

Reproductive toxicity

No data available

Interactive Effects

No data available

Further information

Product:

Remarks: 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: Due to its rapid degradation d-Limonene is 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: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations.

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

UN Shipping Name: DIPENTENE
UN: 2052 **Classification:** 3 **Packing Group:** III

Label: Flammable

Environmental Hazards Marine Pollutant

Bulk Transport Not Regulated

Special Precaution None

DOT (Department of Transportation) Not Regulated

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SECTION 15. REGULATORY INFORMATION

DSL (Canadian Domestic Substances List) Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations.

TSCA (Toxic Substance Control Act) All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

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

EINECS (European Inventory of Existing Commercial Chemical Substances)
Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

IDL (Canadian Ingredient Disclosure List) Additional Information
Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 3.

Additional Information WGK Water Quality Index: N/A
VbK Index: Not applicable

SECTION 16. OTHER INFORMATION

Revision Date: September 29, 2023

Version #: 3.0

Notice To Reader:

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