



# SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Aug/5/2016  
Version: 2  
Language: en-US  
Date of print: Aug/11/2016

## Power Cleaner S

Material number 112025

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### 1. Product and company identification

#### Product identifier

Trade name: Power Cleaner S

#### Relevant identified uses of the substance or mixture and uses advised against

General use: Technical aerosol

#### Details of the supplier of the safety data sheet

Company name: WEICON Inc.  
Street/POB-No.: 20 Steckle Place, Unit 20  
Postal Code, city: Kitchener, Ontario N2E 2C3, CA  
WWW: www.weicon.ca  
E-mail: info@weicon.ca  
Telephone: +1-519-896-5252  
Telefax: +1-519-896-5254  
Dept. responsible for information:  
Product-Safety-Department  
Telephone: +49(0)251 / 9322 - 0, Email: msds@weicon.de

#### Emergency phone number

**EMERGENCY CONTACT – USA (24h): Tel: ++1 202 464 2554**

**Transport:**

**TRANSPORT EMERGENCY CONTACT - USA (24h): Tel: ++1 202 464 2554**

### 2. Hazards identification

#### Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: liquid  
Form: Aerosol  
Color: colorless, clear  
Odor: characteristic  
Classification: Aerosol - Category 1; Skin Irritation - Category 2; Eye Irritation - Category 2A; Sensitization - skin - Category 1; Specific Target Organ Toxicity (Single Exposure) - Category 3; Aquatic toxicity - chronic - Category 2;

Hazard symbols:



Signal word:

**Danger**

Hazard statements:

Extremely flammable aerosol.  
Pressurised container: May burst if heated.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.  
Toxic to aquatic life with long lasting effects.



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Precautionary statements: Keep out of reach of children.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Do not spray on an open flame or other ignition source.  
Do not pierce or burn, even after use.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Wash hands and face thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing should not be allowed out of the workplace.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF ON SKIN: Wash with plenty of water/soap.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a POISON CENTER/doctor if you feel unwell.  
Specific treatment (see 'First aid' on this label).  
If skin irritation or rash occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Take off contaminated clothing.  
Collect spillage.  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
Dispose of contents/container to hazardous or special waste collection point.

### Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

### Hazards not otherwise classified

Potentially explosive mixtures may form if adequate ventilation is not provided.  
Inhaling can lead to irritations of the respiratory tract and mucous membrane.  
Higher doses may have a narcotic effect.  
see section 11: Toxicological information

## 3. Composition / Information on ingredients

Chemical characterization: Preparation of active ingredients with propellant



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Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 64742-49-0	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	25 - 50 %	Flammable Liquid - Category 2. Skin Irritation - Category 2. Specific Target Organ Toxicity (Single Exposure) - Category 3. Aspiration Toxicity - Category 1. Aquatic toxicity - chronic - Category 2.
	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	25 - 50 %	Flammable Liquid - Category 2. Skin Irritation - Category 2. Specific Target Organ Toxicity (Single Exposure) - Category 3. Aspiration Toxicity - Category 1. Aquatic toxicity - chronic - Category 2.
CAS 67-64-1	Acetone	10 - 20 %	Flammable Liquid - Category 2. Eye Irritation - Category 2A. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 64-17-5	Ethanol	2.5 - 10 %	Flammable Liquid - Category 2.
CAS 67-63-0	Isopropyl alcohol	2.5 - 10 %	Flammable Liquid - Category 2. Eye Irritation - Category 2A. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 5989-27-5	(R)-p-Mentha-1,8-diene	0.1 - 1 %	Flammable Liquid - Category 3. Skin Irritation - Category 2. Sensitization - skin - Category 1. Aquatic toxicity - acute - Category 1. Aquatic toxicity - chronic - Category 1.
CAS 74-98-6	Propane	2.5 - 10 %	Flammable Gas - Category 1. Compressed Gas.
CAS 124-38-9	Carbon dioxide	2.5 - 10 %	Compressed Gas.
CAS 75-28-5	Isobutane, pure	2.5 - 10 %	Flammable Gas - Category 1. Compressed Gas.

## 4. First aid measures

General information:	First aider: Pay attention to self-protection!
In case of inhalation:	Move victim to fresh air, put at rest and loosen restrictive clothing. Seek medical attention.
Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. Change contaminated clothing. In case of skin irritation, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.
After swallowing:	Never give anything by mouth to an unconscious person. Immediately get medical attention. Do not induce vomiting. Give water to drink in small sips.

### Most important symptoms/effects, acute and delayed

May cause drowsiness or dizziness. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.

### Information to physician

Treat symptomatically. Do not induce vomiting.



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### 5. Fire fighting measures

Flash point/flash point range:

not applicable

Auto-ignition temperature: No data available

Suitable extinguishing media:

water fog, dry chemical powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

full water jet

#### Specific hazards arising from the chemical

May form dangerous gases and vapours in case of fire.

carbon monoxide and carbon dioxide.

Potentially explosive vapor/air mixtures may form.

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

Cool endangered containers with water jetspray.

You have to dispose of contaminated extinguishing water according to the regulations of the authorities.

### 6. Accidental release measures

Personal precautions:

Do not breathe vapor or spray. Avoid contact with the substance.

In case of leakage, eliminate all ignition sources. Provide adequate ventilation.

Wear appropriate protective equipment. Keep unprotected people away.

Cordon off downwind area at risk and warn inhabitants. Take off immediately all contaminated clothing.

Environmental precautions:

Do not allow to enter into ground-water, surface water or drains. Danger of explosion!

In case of release, notify competent authorities.

Methods for clean-up:

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

Beware of reignition. Thoroughly clean surrounding area.

Additional information:

Use explosion-proof equipment and non-sparking tools/utensils.

### 7. Handling and storage

#### Handling

Advices on safe handling:

Provide adequate ventilation, and local exhaust as needed. Do not breathe vapor or spray.

Avoid contact with skin and eyes. Wear appropriate protective equipment.

Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. Take off immediately all contaminated clothing.

Precautions against fire and explosion:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material.

Use non-sparking tools. Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.



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### Storage

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.  
Keep container dry. Keep only in the original container.  
Protect from heat and direct sunlight.  
Store containers in upright position. Explosion protection required.  
Storage temperature: < 122 °F

Hints on joint storage:

Do not store together with combustible or self-igniting materials or any highly flammable solids. Keep away from food, drink and animal feedingstuffs.

## 8. Exposure controls / personal protection

### Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
67-64-1	Acetone	USA: ACGIH: STEL USA: ACGIH: TWA USA: NIOSH: TWA USA: OSHA: TWA	500 ppm 250 ppm 590 mg/m <sup>3</sup> ; 250 ppm 2400 mg/m <sup>3</sup> ; 1000 ppm
64-17-5	Ethanol	USA: ACGIH: TWA USA: NIOSH: TWA USA: OSHA: TWA	1000 mg/m <sup>3</sup> (A3) 1900 mg/m <sup>3</sup> ; 1000 ppm 1900 mg/m <sup>3</sup> ; 1000 ppm
67-63-0	Isopropyl alcohol	USA: ACGIH: STEL USA: ACGIH: TWA USA: NIOSH: STEL USA: NIOSH: TWA USA: OSHA: TWA	984 mg/m <sup>3</sup> ; 400 ppm 492 mg/m <sup>3</sup> ; 200 ppm 1225 mg/m <sup>3</sup> ; 500 ppm 980 mg/m <sup>3</sup> ; 400 ppm 980 mg/m <sup>3</sup> ; 400 ppm
74-98-6	Propane	USA: NIOSH: TWA USA: OSHA: TWA	1800 mg/m <sup>3</sup> ; 1000 ppm 1800 mg/m <sup>3</sup> ; 1000 ppm
124-38-9	Carbon dioxide	USA: ACGIH: STEL USA: ACGIH: TWA USA: NIOSH: STEL USA: NIOSH: TWA USA: OSHA: TWA	54000 mg/m <sup>3</sup> ; 30000 ppm 9000 mg/m <sup>3</sup> ; 5000 ppm 54000 mg/m <sup>3</sup> ; 30000 ppm 9000 mg/m <sup>3</sup> ; 5000 ppm 9000 mg/m <sup>3</sup> ; 5000 ppm
75-28-5	Isobutane, pure	USA: ACGIH: TWA USA: NIOSH: TWA	2370 mg/m <sup>3</sup> ; 1000 ppm 1900 mg/m <sup>3</sup> ; 800 ppm

Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
67-64-1	Acetone	USA: ACGIH-BEI, urine	25 mg/L	acetone	end of exposure or end of shift
67-63-0	Isopropyl alcohol	USA: ACGIH-BEI, urine	40 mg/L	Acetone in urine	end of shift at end of workweek

### Engineering controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment. Use only explosion-proof equipment.  
See also information in chapter 7, section storage.

### Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Flame retardant, antistatic and chemical resistant protective clothing.



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Protective gloves according to OSHA Standard - 29 CFR: 1910.138

Glove material: Butyl caoutchouc (butyl rubber)

Layer thickness: 0.7 mm

Breakthrough time: > 480 min.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used!

General hygiene considerations:

Use non-sparking tools. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Do not breathe vapor or spray. Avoid contact with skin and eyes.

Take off immediately all contaminated clothing.

When using do not eat, drink or smoke.

Wash hands before breaks and after work.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance:	Physical state at 68 °F and 101.3 kPa: liquid Form: Aerosol Color: colorless, clear
Odor:	characteristic
Odor threshold:	No data available
pH value:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	not applicable
Flash point/flash point range:	not applicable
Evaporation rate:	No data available
Flammability:	Extremely flammable aerosol.
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	at 68 °F: 0.699 g/cm <sup>3</sup>
Water solubility:	immiscible
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Explosive properties:	Product is not explosive. Potentially explosive vapor/air mixtures may form.
Ignition temperature:	> 392 °F
Solvent content:	97.4 %

## 10. Stability and reactivity

Reactivity:	Extremely flammable aerosol. Vapors may form explosive mixtures with air.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	Container under pressure. Do not expose to high temperature. Danger of bursting and explosion.



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- Conditions to avoid: Keep away from heat sources, sparks and open flames. Protect from direct exposure to sunlight and temperatures exceeding 122 °F.
- Incompatible materials: Do not store together with combustible or self-igniting materials or any highly flammable solids.
- Hazardous decomposition products: Toxic gases/vapours, carbon monoxide and carbon dioxide.
- Thermal decomposition: No data available

## 11. Toxicological information

### Toxicological tests

- Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.
- Acute toxicity (oral): Based on available data, the classification criteria are not met.
- Acute toxicity (dermal): Based on available data, the classification criteria are not met.
- Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
- Skin corrosion/irritation: Skin Irritation - Category 2 = Causes skin irritation.
- Eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Sensitization - skin - Category 1 = May cause an allergic skin reaction.
- Germ cell mutagenicity/Genotoxicity: Lack of data.
- Carcinogenicity: Lack of data.
- Reproductive toxicity: Lack of data.
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Specific Target Organ Toxicity (Single Exposure) - Category 3 = May cause drowsiness or dizziness.
- Specific target organ toxicity (repeated exposure): Lack of data.
- Aspiration hazard: Lack of data.
- Other information: Information about:
- Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
- LD50 Rat, oral: > 5840 mg/kg
- LD50 Rat, dermal: > 2800 mg/kg
- LC50 Rat, inhalative: > 25.2 mg/L/4h
- Propane
- LC50 Rat, inhalative: 20 mg/L/4h

### Symptoms

Inhaling can lead to irritations of the respiratory tract and mucous membrane.  
Higher doses may have a narcotic effect.



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### General remarks

for carcinogenic effects:  
Information about CAS No. 67-63-0  
Carcinogen Status:  
IARC Rating: Group 3  
OSHA Carcinogen: not listed  
NTP Rating: not listed  
Information about CAS No. 5989-27-5  
Carcinogen Status:  
IARC Rating: Group 3  
OSHA Carcinogen: not listed  
NTP Rating: not listed

## 12. Ecological information

### Ecotoxicity

Aquatic toxicity: Toxic to aquatic life with long lasting effects.

### Mobility in soil

No data available

### Persistence and degradability

Further details: Product is biodegradable with difficulty.

### Additional ecological information

Volatile organic compounds (VOC):

100 % by weight = 699 g/L

General information: Do not allow to enter into ground-water, surface water or drains.

## 13. Disposal considerations

### Product

Recommendation: Dispose of waste according to applicable legislation.

### Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled. Handle empty containers with care. Incineration may cause explosion.





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### 14. Transport information

#### USA: Department of Transportation (DOT)

Identification number: UN1950  
Proper shipping name: UN 1950, AEROSOLS  
Hazard class or Division: 2.1  
Labels: 2.1  
Special provisions: N82  
Packaging – Exceptions: 306  
Packaging – Non-bulk: None  
Packaging – Bulk: None  
Quantity limitations – Passenger aircraft / rail: 75 kg  
Quantity limitations – Cargo only: 150 kg  
Vessel stowage – Location: A  
Vessel stowage – Other: 25, 87, 126



#### Sea transport (IMDG)

UN number: UN 1950  
Proper shipping name: UN 1950, AEROSOLS  
Class or division, Subsidiary risk: Class 2.1, Subrisk-  
Packing Group: -  
EmS: F-D, S-U  
Special provisions: 63, 190, 277, 327, 344, 959  
Limited quantities: 1000 mL  
Excepted quantities: E0  
Contaminated packaging - Instructions: P207, LP02  
Contaminated packaging - Provisions: PP87, L2  
IBC - Instructions: -  
IBC - Provisions: -  
Tank instructions - IMO: -  
Tank instructions - UN: -  
Tank instructions - Provisions: -  
Stowage and handling: SW1 SW22  
Segregation: SG69  
Properties and observations: -  
Marine pollutant: yes  
Segregation group: none

#### Air transport (IATA)

UN/ID number: UN 1950  
Proper shipping name: UN 1950, AEROSOLS, flammable  
Class or division, Subsidiary risk: Class 2.1  
Hazard label: Flamm. gas  
Excepted Quantity Code: E0  
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y203 - Max. Net Qty/Pkg. 30 kg G  
Passenger and Cargo Aircraft: Pack.Instr. 203 - Max. Net Qty/Pkg. 75 kg  
Cargo Aircraft only: Pack.Instr. 203 - Max. Net Qty/Pkg. 150 kg  
Special provisions: A145 A167 A802  
Emergency Response Guide-Code (ERG): 10L



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### 15. Regulatory information

#### National regulations - U.S. Federal Regulations

Product:	TSCA Inventory: listed TSCA HPVC: not listed
Acetone:	Clean Air Act: SOCMI Chemical: yes Other Environmental Laws: CERCLA: RQ 5000 lbs. RCRA Hazardous Wastes: Code U002 RCRA Groundwater Monitoring: Methods 8240 / PQL 100 NIOSH Recommendations: Occupational Health Guideline: 0004*
Ethanol:	TSCA: listed NIOSH Recommendations: Occupational Health Guideline: 0262
Isopropyl alcohol:	Carcinogen Status: IARC Rating: Group 3 OSHA Carcinogen: not listed NTP Rating: not listed NIOSH Recommendations: Occupational Health Guideline: 0359
(R)-p-Mentha-1,8-diene:	Carcinogen Status: IARC Rating: Group 3 OSHA Carcinogen: not listed NTP Rating: not listed Other Environmental Laws: Marine Pollutant: listed as pollutant.
Propane:	Clean Air Act: Accidental Release Prevention: Threshold 10000 lbs. / Basis for listing = f NIOSH Recommendations: Occupational Health Guideline: 0524
Carbon dioxide:	NIOSH Recommendations: Occupational Health Guideline: 0103*
Isobutane, pure:	Clean Air Act: Accidental Release Prevention: Threshold 10000 lbs. / Basis for listing = f NIOSH Recommendations: Occupational Health Guideline: 0350*

#### National regulations - U.S. State Regulations

California Proposition 65: Not listed.

#### National regulations - Canada

DSL: not listed  
NDSL: listed

#### National regulations - Great Britain

Hazchem-Code: -

### 16. Other information

Text for labeling: Contains 25 - 50 % Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics, 25 - 50 % Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, 10 - 20 % Acetone, 2.5 - 10 % Ethanol, 2.5 - 10 % Isopropyl alcohol, 0.1 - 1 % (R)-p-Mentha-1,8-diene, 2.5 - 10 % Propane, 2.5 - 10 % Carbon dioxide, 2.5 - 10 % Isobutane, pure. Safety data sheet available on request.



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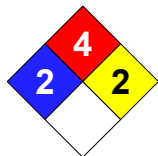
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Hazard rating systems:



NFPA Hazard Rating:

Health: 2 (Moderate)

Fire: 4 (Severe)

Reactivity: 2 (Moderate)

HMIS Version III Rating:

Health: 2 (Moderate)

Flammability: 4 (Severe)

Physical Hazard: 2 (Moderate)

Personal Protection: X = Consult your supervisor

HEALTH	2
FLAMMABILITY	4
PHYSICAL HAZARD	2
	X

Reason of change:

Changes in section 1: General revision

Date of first version:

Oct/8/2015

### Department issuing data sheet

Contact person:

see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.