



# SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 26/Mar/2018

Version: 5

Language: en-CA,US

Date of print: 24/Apr/2018

## Weld Spatter Protection Spray

Material number 117000

Page: 1 of 11

### 1. Product and company identification

#### Product identifier

Trade name: Weld Spatter Protection Spray

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

General use: Technical aerosol  
Reserved for industrial and professional use.

#### 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 – Canada (24h): Tel: +1 866 928 0789 (Toll free)**

**Transport:**

**TRANSPORT EMERGENCY CONTACT - Canada (24h): Tel: +1 866 928 0789 (Toll free)**

### 2. Hazards identification

#### Emergency overview

Appearance: Form: Aerosol  
Color: clear  
Odor: characteristic  
Classification: Flammable Aerosol 1; Compressed Gas; Acute Toxicity 4 (oral); Skin Irritation 2; Eye Damage 1; Specific Target Organ Toxicity (Single Exposure) 3; Aquatic toxicity - chronic 2;

Hazard symbols:



Signal word:

**Danger**

Hazard statements:

Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated.  
Harmful if swallowed.  
Causes skin irritation.  
Causes serious eye damage.  
May cause drowsiness or dizziness.  
Toxic to aquatic life with long lasting effects.



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Precautionary statements: 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 spray.  
Wash hands and face thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye 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.  
Immediately call a POISON CENTER/doctor.  
Specific treatment (see ' First aid ' on this label).  
Rinse mouth.  
If skin irritation occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
Collect spillage.  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Protect from sunlight. Store in a well-ventilated place.  
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 lead to a narcotic effect.  
see section 11: Toxicological information

## 3. Composition / Information on ingredients

Chemical characterisation: Preparation of active ingredients with propellant

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 109-66-0	Pentane	50 - 74.99 %	Flammable Liquid 2. Specific Target Organ Toxicity (Single Exposure) 3. Aspiration Toxicity 1. Aquatic toxicity - chronic 2.
CAS 127087-87-0	4-Nonylphenol, branched, ethoxylated	10 - 24.99 %	Acute Toxicity 4 (oral). Skin Irritation 2. Eye Damage 1. Aquatic toxicity - chronic 2.
CAS 74-98-6	Propane	10 - 24.99 %	Flammable Gas 1. Compressed Gas.
CAS 106-97-8	Butane	10 - 24.99 %	Flammable Gas 1. Compressed Gas.



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### 4. First aid measures

- General information: IF exposed or concerned: Get medical advice/attention. First aider: Pay attention to self-protection! Take off immediately all contaminated clothing and wash it before reuse.
- In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. Seek medical attention.
- Following skin contact: After contact with skin, wash immediately with soap and plenty of water. Consult a doctor if skin irritation persists.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently seek the immediate attention of an ophthalmologist.
- After swallowing: Immediately get medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

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

Harmful if swallowed. Causes serious eye damage. Causes skin irritation. May cause drowsiness or dizziness.  
Inhalation causes narcotic effects/intoxication.

#### Information to physician

Treat symptomatically.

### 5. Fire fighting measures

- Flash point/flash point range: not applicable (Aerosol)
- Auto-ignition temperature: not self-igniting
- Suitable extinguishing media: Alcohol resistant foam, extinguishing powder, water spray jet, carbon dioxide.
- Extinguishing media which must not be used for safety reasons: Full water jet

#### Specific hazards arising from the chemical

Extremely flammable aerosol.  
Pressurised container: May burst if heated.  
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:

Heating will lead to pressure increase: Danger of bursting and explosion. Cool exposed containers with water spray.  
Move undamaged containers from immediate hazard area if it can be done safely.  
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.  
Do not allow fire water to penetrate into surface or ground water.  
Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.



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### 6. Accidental release measures

- Personal precautions:** Provide adequate ventilation. Do not breathe spray. Avoid contact with the substance. Eliminate all ignition sources if safe to do so. Wear appropriate protective equipment. Keep unprotected people away. Do not open or incinerate, even when empty. Do not spray into flames or on incandescent objects.
- Environmental precautions:** Do not allow to enter into ground-water, surface water or drains. In case of release, notify competent authorities. Danger of explosion!
- Methods for clean-up:** Leave to vapourize. 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 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 and wash it before reuse. Work place should be equipped with a shower and an eye rinsing apparatus.
- Precautions against fire and explosion:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

#### 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. Keep at temperature not exceeding 50 °C. Store containers in upright position. Explosion protection required. Store locked up.
- 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.



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### 8. Exposure controls / personal protection

#### Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
109-66-0	Pentane	Canada, Québec: VEMP	350 mg/m <sup>3</sup> ; 120 ppm
		NIOSH: Ceiling	1800 mg/m <sup>3</sup> ; 610 ppm
		USA: NIOSH: TWA	350 mg/m <sup>3</sup> ; 120 ppm
74-98-6	Propane	Canada, Alberta: OEL 8 hour	1000 ppm
		Canada, Québec: VEMP	1800 mg/m <sup>3</sup> ; 1000 ppm
		USA: NIOSH: TWA	1800 mg/m <sup>3</sup> ; 1000 ppm
		USA: OSHA: TWA	1800 mg/m <sup>3</sup> ; 1000 ppm
106-97-8	Butane	Canada, Alberta: OEL 8 hour	1000 ppm
		Canada, BC: OEL STEL	750 ppm
		Canada, BC: OEL TWA	600 ppm
		Canada, Ontario: OEL TWA	800 ppm
		Canada, Québec: VEMP	1900 mg/m <sup>3</sup> ; 800 ppm
		USA: ACGIH: TWA	1000 ppm
		USA: NIOSH: TWA	1900 mg/m <sup>3</sup> ; 800 ppm

#### 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.  
Protective gloves according to OSHA Standard - 29 CFR: 1910.138  
Glove material: Nitrile rubber - Layer thickness: >= 0,5 mm  
Breakthrough time: >= 240 min.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

**Respiratory protection:**    Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded.

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:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not pierce or burn, even after use.

Provide adequate ventilation, and local exhaust as needed. Do not breathe spray. Do not get in eyes, on skin, or on clothing.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.

Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. Work place should be equipped with a shower and an eye rinsing apparatus.



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### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance:	Form: Aerosol Color: clear
Odor:	characteristic
Odor threshold:	not determined
pH value:	No data available
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	-44 °C
Flash point/flash point range:	not applicable (Aerosol)
Evaporation rate:	No data available
Flammability:	extremely flammable aerosol
Explosion limits:	LEL (Lower Explosion Limit): 0.62 Vol-% UEL (Upper Explosive Limit): 1.40 Vol-%
Vapor pressure:	at 20 °C: 8300 hPa
Vapor density:	not determined
Density:	at 20 °C: 0.623 g/mL
Solubility:	insoluble (fat)
Water solubility:	slightly miscible
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not self-igniting
Thermal decomposition:	No decomposition when used properly.
Viscosity, dynamic:	not determined
Viscosity, kinematic:	not determined
Explosive properties:	Product is not explosive. Potentially explosive vapor/air mixtures may form.
Ignition temperature:	285 °C
Solvent content:	90 %
Solid content:	0.1 %

### 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	Contains gas under pressure; may explode if heated.
Conditions to avoid:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Incompatible materials:	Do not store together with combustible or self-igniting materials or any highly flammable solids.
Thermal decomposition:	No decomposition when used properly.



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## 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): Acute Toxicity 4 (oral) = Harmful if swallowed.  
ATEmix calculated: 300 mg/kg < ATE <= 2,000 mg/kg.  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalative): Based on available data, the classification criteria are not met.  
ATEmix (calculated): > 20 mg/L  
Skin corrosion/irritation: Skin Irritation 2 = Causes skin irritation.  
Serious eye damage/irritation: Eye Damage 1 = Causes serious eye damage.  
Sensitisation to the respiratory tract: Lack of data.  
Skin sensitisation: Lack of data.  
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) 3 = May cause drowsiness or dizziness.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Based on available data, the classification criteria are not met.

Other information: Information about 4-Nonylphenol, branched, ethoxylated:  
LD50 Rat, oral: 657.2 mg/kg  
Information about Pentane:  
LD50, Rat, oral: > 2000 mg/kg  
LC50 Rat, inhalative: > 20 mg/L/4h

### Symptoms

After contact with skin:  
Prolonged/repetitive skin contact may cause skin defatting or dermatitis.  
After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

## 12. Ecological information

### Ecotoxicity

Aquatic toxicity: Toxic to aquatic life with long lasting effects.  
Information about Pentane:  
Algae toxicity:  
EC50 Pseudokirchneriella subcapitata (green algae): 10.7 mg/L/72h (OECD 201)  
Daphnia toxicity:  
EC50 Daphnia magna (Big water flea): 2.7 mg/L/48 h. (OECD 202)  
Fish toxicity:  
LC50 Oncorhynchus mykiss: 4.26 mg/L/96h (OECD 203)

### Mobility in soil

No data available

### Persistence and degradability

Further details: No data available



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### Additional ecological information

Volatile organic compounds (VOC):

90 % by weight = 561 g/L

General information:

Avoid spills and leaks. Very small amounts contaminates drinking water.  
Do not allow to enter into ground-water, surface water or drains.

## 13. Disposal considerations

### Product

Recommendation:

Do not pierce or burn, even after use.  
Special waste. Dispose of waste according to applicable legislation.  
Do not dispose of with household waste.

### Contaminated packaging

Recommendation:

Dispose of waste according to applicable legislation.  
Empty carefully and completely, if possible. Handle empty containers with care.  
Incineration may cause explosion.

## 14. Transport information

### USA: Department of Transportation (DOT)

Identification number: UN1950  
Proper shipping name: UN 1950, 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



### Canada: Transportation of Dangerous Goods (TDG)

UN Number: UN1950  
Shipping name: UN 1950, AEROSOLS  
TDG class: 2.1  
Special provisions: 80, 107  
Explosive limit and limited quantity index: 1 L  
Passenger carrying road or rail index: 75 L





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### 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, 381,959  
Limited quantities: 1000 mL  
Excepted quantities: E0  
Contaminated packaging - Instructions: P207, LP200  
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

## 15. Regulatory information

### National regulations - Canada

No data available



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

- Pentane:** TSCA Inventory: listed; EPA flags T  
TSCA HPVC: not listed  
Clean Air Act:  
Accidental Release Prevention: Threshold 10000 lbs. / Basis for listing = g  
NIOSH Recommendations:  
Occupational Health Guideline: 0486
- Propane:** TSCA Inventory: listed  
TSCA HPVC: not listed  
Clean Air Act:  
Accidental Release Prevention: Threshold 10000 lbs. / Basis for listing = f  
NIOSH Recommendations:  
Occupational Health Guideline: 0524
- Butane:** TSCA Inventory: listed  
TSCA HPVC: not listed  
Clean Air Act:  
Accidental Release Prevention: Threshold 10000 lbs. / Basis for listing = f  
NIOSH Recommendations:  
Occupational Health Guideline: 0068\*

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

- Propane:** California Proposition 65 code: -  
Delaware Air Quality Management List:  
DRQ: F 1000\*\* - RQ State: State requirements differs from Federal  
Massachusetts Haz. Substance codes: 2,4,5,6  
Minnesota Haz. Substance:  
Codes: AP - Ratings: - - Status: Title III  
New Jersey RTK Hazardous Substance:  
DOT: 1978 - Sub No.: 1594 - TPQ: -  
Pennsylvania Haz. Substance code: -  
Washington Air Contaminant:  
TWA: 1000 ppm - 1800 mg
- Butane:** Delaware Air Quality Management List:  
DRQ: F 1000\*\* - RQ State: State requirements differs from Federal  
Massachusetts Haz. Substance codes: 4,5,6  
Minnesota Haz. Substance:  
Codes: A - Ratings: - - Status: Title III  
New Jersey RTK Hazardous Substance:  
DOT: 1011 - Sub No.: 0273 - TPQ: -  
Pennsylvania Haz. Substance code: -  
Washington Air Contaminant:  
TWA: 800 ppm - 1900 mg

### National regulations - EC member states

Further regulations, limitations and legal requirements:

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH: 4-Nonylphenol, branched, ethoxylated (EQC)

Use restriction according to REACH annex XVII, no.: 3, 46  
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: annex I, part 1, E2, P3a.

## 16. Other information

Text for labeling: Contains 50 - 74.99 % Pentane, 10 - 24.99 % 4-Nonylphenol, branched, ethoxylated, 10 - 24.99 % Propane, 10 - 24.99 % Butane. Safety data sheet available on request.



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Hazard rating systems:



NFPA Hazard Rating:

Health: 3 (Serious)

Fire: 4 (Severe)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 3 (Serious)

Flammability: 4 (Severe)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	3
FLAMMABILITY	4
PHYSICAL HAZARD	0
	X

Reason of change:

Changes in section 2: Classification, labeling

Changes in section 3: Composition / information on ingredients

Changes in section 4: First aid measures

General revision

Date of first version:

16/Nov/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.