



# SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 2/Jan/2017

Version: 3

Language: en-CA,US

Date of print: 10/Jan/2017

## Hand Protective Foam, Spray

Material number 118500

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### 1. Product and company identification

#### Product identifier

Trade name: Hand Protective Foam, Spray

#### 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 – 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: Physical state at 20 °C and 101.3 kPa: liquid

Form: Aerosol

Color: whitish

Odor: characteristic

Classification: This material is classified as not hazardous.

Signal word: **Warning**

Hazard statements: Pressurised container: May burst if heated.

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.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

#### 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.  
see section 11: Toxicological information



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### 3. Composition / Information on ingredients

Chemical characterisation: The product contains: Propellant, propylene glycol, Glycerol, Water.

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 75-28-5	Isobutane, pure	1 - 10 %	Flammable Gas 1. Compressed Gas.
CAS 74-98-6	Propane	1 - 10 %	Flammable Gas 1. Liquefied Gas.
CAS 106-97-8	n-Butane, pure	1 - 10 %	Flammable Gas 1. Liquefied 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 and effects, both acute and delayed

In case of inhalation: Reaction time and coordination may be impaired.

In case of ingestion: Dizziness, Diarrhea

#### Information to physician

Treat symptomatically.

### 5. Fire fighting measures

Flash point/flash point range:

> 55 °C

Auto-ignition temperature: not self-igniting

Suitable extinguishing media:

Alcohol resistant foam, water fog, extinguishing 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.

Pressurised container: May burst if heated.

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.



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### 6. Accidental release measures

- Personal precautions:** Do not breathe vapor or spray. Avoid contact with the substance. Eliminate all ignition sources if safe to do so. Provide adequate ventilation. Wear appropriate protective equipment. Keep unprotected people away. Cordon off downwind area at risk and warn inhabitants. 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. 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. Do not open or incinerate, even when empty. Do not spray into flames or on incandescent objects.

- Precautions against fire and explosion:** Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Use only explosion-protected equipment/instruments. Do not weld. In partially filled containers explosive mixtures may form.

#### 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. Storage temperature: < 50 °C
- 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
75-28-5	Isobutane, pure	Canada, Ontario: OEL TWA	800 ppm
		USA: ACGIH: TWA	2370 mg/m <sup>3</sup> ; 1000 ppm
		USA: NIOSH: TWA	1900 mg/m <sup>3</sup> ; 800 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	n-Butane, pure	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	2370 mg/m <sup>3</sup> ; 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: 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:**    Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded.  
Use filter type A (= against vapors of organic substances)

**General hygiene considerations:**  
Use only 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 20 °C and 101.3 kPa: liquid  
Form: Aerosol  
Color: whitish



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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:	> 55 °C
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	6500 hPa
Vapor density:	No data available
Density:	at 20 °C: 0.92 g/cm <sup>3</sup>
Water solubility:	miscible
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	not self-igniting
Thermal decomposition:	No data available
Explosive properties:	Product is not explosive. Potentially explosive vapor/air mixtures may form.
Ignition temperature:	365 °C

## 10. Stability and reactivity

Reactivity:	Vapors may form explosive mixtures with air.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	Container under pressure. Heating will lead to pressure increase: Danger of bursting and explosion.
Conditions to avoid:	Keep away from heat sources, sparks and open flames. Protect from direct exposure to sunlight and temperatures exceeding 50 °C.
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



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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): 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: Based on available data, the classification criteria are not met.

Eye damage/irritation: Based on available data, the classification criteria are not met.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Based on available data, the classification criteria are not met.

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): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

### Symptoms

In case of inhalation: Reaction time and coordination may be impaired.

In case of ingestion: Dizziness, Diarrhea

## 12. Ecological information

### Ecotoxicity

Further details: No data available

### Mobility in soil

No data available

### Persistence and degradability

Further details: No data available

### Additional ecological information

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: 2.2  
Labels: 2.2  
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: 2.2  
Special provisions: 80, 107  
Explosive limit and limited quantity index: 1 L  
Passenger carrying road or rail index: 75 L

#### Sea transport (IMDG)

UN number: UN 1950  
Proper shipping name: UN 1950, AEROSOLS  
Class or division, Subsidiary risk: Class 2.2, 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: no  
Segregation group: none

#### Air transport (IATA)

UN/ID number: UN 1950  
Proper shipping name: UN 1950, AEROSOLS, non-flammable  
Class or division, Subsidiary risk: Class 2.2  
Hazard label: Non-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: A98 A145 A167 A802  
Emergency Response Guide-Code (ERG): 2L



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### 15. Regulatory information

#### National regulations - Canada

DSL: not listed

NDSL: listed

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

Product: TSCA Inventory: listed  
TSCA HPVC: not listed

Isobutane, pure: Clean Air Act:  
Accidental Release Prevention: Threshold 10000 lbs. / Basis for listing = f  
NIOSH Recommendations:  
Occupational Health Guideline: 0350\*

Propane: Clean Air Act:  
Accidental Release Prevention: Threshold 10000 lbs. / Basis for listing = f  
NIOSH Recommendations:  
Occupational Health Guideline: 0524

n-Butane, pure: Clean Air Act:  
Accidental Release Prevention: Threshold 10000 lbs. / Basis for listing = f  
NIOSH Recommendations:  
Occupational Health Guideline: 0068\*

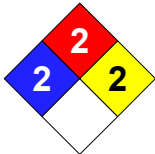
#### National regulations - U.S. State Regulations

California Proposition 65: Not listed.

### 16. Other information

Text for labeling: Contains 1 - 10 % Isobutane, pure, 1 - 10 % Propane, 1 - 10 % n-Butane, pure. Safety data sheet available on request.

Hazard rating systems:



NFPA Hazard Rating:  
Health: 2 (Moderate)  
Fire: 2 (Moderate)  
Reactivity: 2 (Moderate)

HMIS Version III Rating:  
Health: 2 (Moderate)  
Flammability: 2 (Moderate)  
Physical Hazard: 2 (Moderate)  
Personal Protection: X = Consult your supervisor

HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	2
	X

Reason of change: ADR/RID 2017, IMDG 2017

Date of first version: 5/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.