



SAFETY DATA SHEET

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

Revision date: Jan/2/2017

Version: 4

Language: en-US

Date of print: Jan/10/2017

Multi-Foam, Spray

Material number 112000

Page: 1 of 10

1. Product and company identification

Product identifier

Trade name: Multi-Foam, 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 – USA (24h): Tel: ++1 202 464 2554

Transport:

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

2. Hazards identification

Emergency overview

Appearance: Form: Aerosol
Color: colorless
Odor: fruity
Classification: Aerosol - Category 1; Eye Irritation - Category 2A;
Hazard symbols:



Signal word: **Danger**
Hazard statements: Extremely flammable aerosol.
Pressurised container: May burst if heated.
Causes serious eye irritation.

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.
Wash hands and face thoroughly after handling.
Wear protective gloves/protective clothing/eye protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.



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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

Exposure to temperatures exceeding 122 °F will increase pressure: resulting in danger of bursting or explosion.

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. Danger of metabolic acidosis.

see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: Mixture of the substances listed below with non-hazardous additions

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 67-63-0	Isopropyl alcohol	10 - 15 %	Flammable Liquid - Category 2. Eye Irritation - Category 2A. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 1336-21-6	Ammonia	< 0.5 %	Skin Corrosion - Category 1C. Specific Target Organ Toxicity (Single Exposure) - Category 3. Aquatic toxicity - acute - Category 1.
CAS 5989-27-5	(R)-p-Mentha-1,8-diene	< 0.1 %	Flammable Liquid - Category 3. Skin Irritation - Category 2. Sensitization - skin - Category 1. Aquatic toxicity - acute - Category 1. Aquatic toxicity - chronic - Category 1.
CAS 5392-40-5	Citral	< 0.1 %	Skin Irritation - Category 2. Sensitization - skin - Category 1.
CAS 74-98-6	Propane	< 10 %	Flammable Gas - Category 1. Compressed Gas.
CAS 75-28-5	Isobutane, pure	< 10 %	Flammable Gas - Category 1. Compressed Gas.

Additional information: < 15% aliphatic hydrocarbons, < 5% anionic surfactants, < 5% perfumes (Citral, D-Limonene)

4. First aid measures

In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. Seek medical aid in case of troubles.

Following skin contact: Wash with generous amount of water and soap. Take off contaminated clothing. 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 consult an ophthalmologist.

After swallowing: Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical treatment in case of troubles.



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Most important symptoms/effects, acute and delayed

Causes serious eye irritation.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

not applicable

Auto-ignition temperature: not determined

Suitable extinguishing media:

Atomized water, alcohol resistant foam, dry chemical powder, carbon dioxide

Extinguishing media which must not be used for safety reasons:

High power water jet

Specific hazards arising from the chemical

Extremely flammable aerosol. Vapors form potentially explosive mixtures with air, which are heavier than air. Air-Vapor mixture may travel great distances at floor level and lead to backflash when exposed to an ignition source.

On heating or in case of fire toxic gases may form.

In case of fire may be liberated: Aldehydes, Carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing. Do not breathe fumes.

Additional information:

Heating will lead to pressure increase: Danger of bursting and explosion.
Cool endangered containers with water spray and, if possible, remove from danger zone.
Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

6. Accidental release measures

Personal precautions:

Eliminate all ignition sources if safe to do so.
Provide adequate ventilation. Do not breathe vapor or spray.
Wear appropriate protective equipment. Avoid contact with skin and eyes. Change contaminated clothing.

Environmental precautions:

Do not allow to penetrate into soil, waterbodies or drains. In case of release, notify competent authorities.

Methods for clean-up:

Take up with non-flammable, liquid binding material (e.g. sand/earth/diatomaceous earth/vermiculit) and perform disposal according to instructions.

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.
Use only in well-ventilated areas. Do not breathe vapor or spray.
Wear appropriate protective equipment. Avoid contact with skin and eyes. Change contaminated clothing.



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

Take precautionary measures against static discharges.

Storage

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place. Protect from heat and direct sunlight.

Keep only in the original container.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

Do not store together with combustible or self-igniting materials or any highly flammable solids.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
67-63-0	Isopropyl alcohol	USA: ACGIH: STEL	984 mg/m ³ ; 400 ppm
		USA: ACGIH: TWA	492 mg/m ³ ; 200 ppm
		USA: NIOSH: STEL	1225 mg/m ³ ; 500 ppm
		USA: NIOSH: TWA	980 mg/m ³ ; 400 ppm
		USA: OSHA: TWA	980 mg/m ³ ; 400 ppm
5392-40-5	Citral	USA: ACGIH: TWA	5 ppm inhalable fraction and vapor; May be absorbed through the skin.
74-98-6	Propane	USA: NIOSH: TWA	1800 mg/m ³ ; 1000 ppm
		USA: OSHA: TWA	1800 mg/m ³ ; 1000 ppm
75-28-5	Isobutane, pure	USA: ACGIH: TWA	2370 mg/m ³ ; 1000 ppm
		USA: NIOSH: TWA	1900 mg/m ³ ; 800 ppm

Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
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 good ventilation and/or an exhaust system in the work area.

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

Wear suitable 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.



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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 higher concentrations occur: Wear self-contained breathing apparatus.

General hygiene considerations:

Keep away from heat sources, sparks and open flames.
Do not breathe vapor or spray. Use only in well-ventilated areas.
Change contaminated clothing. Avoid contact with skin and eyes.
When using do not eat, drink or smoke.
Wash hands before breaks and after work.
Work place should be equipped with a shower and an eye rinsing apparatus.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Form: Aerosol Color: colorless
Odor:	fruity
Odor threshold:	No data available
pH value:	not determined
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not applicable
Flash point/flash point range:	not applicable
Evaporation rate:	not determined
Flammability:	Extremely flammable aerosol.
Explosion limits:	LEL (Lower Explosion Limit): not determined UEL (Upper Explosive Limit): not determined
Vapor pressure:	at 68 °F: approx. 5 hPa
Vapor density:	not determined
Density:	at 68 °F: 0.9 g/mL
Water solubility:	miscible
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not determined
Thermal decomposition:	No data available
Viscosity, dynamic:	not determined
Viscosity, kinematic:	not determined
Explosive properties:	Product is not explosive. Potentially explosive vapor/air mixtures may form.
Ignition temperature:	> 392 °F
Solvent content:	23.9 %

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.
Heating will lead to pressure increase: 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:
On heating or in case of fire toxic gases may form.
In case of fire may be liberated: aldehydes, 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): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Lack of data.
- Eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.
- 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): Lack of data.
- Specific target organ toxicity (repeated exposure): Lack of data.
- Aspiration hazard: Lack of data.
- Other information: Information about Isopropyl alcohol:
LD50 Rat, oral: 5045 mg/kg bw (OECD 401)
LD50 Rabbit, dermal: 12800 mg/kg (OECD 402)
LC50 Rat, inhalative: > 25mg/l/4h (OECD 403)
- For carcinogenic effects:
Information about Isopropyl alcohol:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed
- Information about (R)-p-Mentha-1,8-diene:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed

Symptoms

- In case of inhalation:
Inhaling can lead to irritations of the respiratory tract and mucous membrane.
Higher doses may have a narcotic effect.
- After contact with skin:
Prolonged/repetitive skin contact may cause skin defatting or dermatitis.



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12. Ecological information

Ecotoxicity

Aquatic toxicity:

Information about Isopropyl alcohol:

Algae toxicity:

EC50 Green algae: >100 mg/L/72h.

Bacterial toxicity:

EC50: >100 mg/L

EC5 Pseudomonas putida : 1,050 mg/L/16h.

Daphnia toxicity:

EC50 Daphnia magna (Big water flea): 9,714 mg/L/48h.

Fish toxicity:

LC50 Lepomis macrochirus (bluegill): 1,400 mg/L/96h.

LC50 Leuciscus idus test: 8970 mg/L/48h.

LC50 Pimephales promelas (fathead minnow): 9,640 mg/L/96h.

Mobility in soil

No data available

Persistence and degradability

Further details:

No data available

Additional ecological information

Volatile organic compounds (VOC):

23.03 % by weight = 208.4 g/L

General information:

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

13. Disposal considerations

Product

Recommendation:

Special waste. Do not open with force or incinerate, even when empty.

Dispose of waste according to applicable legislation.

Do not dispose of with household waste.

Contaminated packaging

Recommendation:

Empty carefully and completely, if possible.

Dispose of waste according to applicable legislation.

Handle contaminated packages in the same way as the substance itself.

Non-contaminated packages may be recycled.

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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, Subrisk-, see SP63
Packing Group: -
EmS: F-D, S-U
Special provisions: 63, 190, 277, 327, 344, 381, 959
Limited quantities: See SP277
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, 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

Isopropyl alcohol:	TSCA Inventory: listed TSCA HPVC: not listed Carcinogen Status: IARC Rating: Group 3 OSHA Carcinogen: not listed NTP Rating: not listed NIOSH Recommendations: Occupational Health Guideline: 0359
Ammonia:	TSCA Inventory: listed; UVCB TSCA HPVC: not listed
(R)-p-Mentha-1,8-diene:	TSCA Inventory: listed TSCA HPVC: not listed Carcinogen Status: IARC Rating: Group 3 OSHA Carcinogen: not listed NTP Rating: not listed Other Environmental Laws: Marine Pollutant: listed as pollutant.
Citral:	TSCA Inventory: listed TSCA HPVC: not listed
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
Isobutane, pure:	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: 0350*



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National regulations - U.S. State Regulations

Isopropyl alcohol: Idaho Air Pollutant List:
 Title 585: AAC: 49 -- EL: 65.3 -- WEL: 980 -Title 586: -
 Massachusetts Haz. Substance codes: 2,4,5,6 F9
 Minnesota Haz. Substance:
 Codes: ANO -- Ratings: 7.84 -- Status: Title III. TRI.
 New Jersey RTK Hazardous Substance:
 DOT: 1219 - Sub No.: 1076 - TPQ: -
 Pennsylvania Haz. Substance code: E
 Washington Air Contaminant:
 TWA: 400 ppm - 980 mg -- STEL: 500 ppm - 1225 mg

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

Isobutane, pure: California Proposition 65 code: -
 Delaware Air Quality Management List:
 DRQ: F 1000** - RQ State: State requirements differs from Federal
 Massachusetts Haz. Substance codes: 6
 New Jersey RTK Hazardous Substance:
 DOT: 1969 - Sub No.: 1040 - TPQ: -
 Pennsylvania Haz. Substance code: -

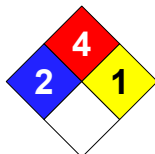
National regulations - Great Britain

Hazchem-Code: -

16. Other information

Text for labeling: Contains 10 - 15 % Isopropyl alcohol, < 0.5 % Ammonia, < 0.1 % (R)-p-Mentha-1,8-diene, < 0.1 % Citral, < 10 % Propane, < 10 % Isobutane, pure. Safety data sheet available on request.

Hazard rating systems:



NFPA Hazard Rating:
 Health: 2 (Moderate)
 Fire: 4 (Severe)
 Reactivity: 1 (Slight)

HMIS Version III Rating:
 Health: 2 (Moderate)
 Flammability: 4 (Severe)
 Physical Hazard: 1 (Slight)
 Personal Protection: X = Consult your supervisor

HEALTH	2
FLAMMABILITY	4
PHYSICAL HAZARD	1
	X

Reason of change: ADR/RID 2017, IMDG 2017

Date of first version: Dec/16/2015

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.