



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 2/Jan/2017
Version: 4
Language: en-CA,US
Date of print: 10/Jan/2017

AT-44 Spray

Material number 112500

Page: 1 of 11

1. Product and company identification

Product identifier

Trade name: AT-44 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: yellowish
Odor: characteristic
Classification: Flammable Aerosol 1; Compressed Gas;
Specific Target Organ Toxicity (Single Exposure) 3;

Hazard symbols:



Signal word:

Danger

Hazard statements:

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
May cause drowsiness or dizziness.



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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.
Use only outdoors or in a well-ventilated area.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/doctor if you feel unwell.
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

Higher doses may have a narcotic effect.
Exposure to temperatures exceeding 50 °C will increase pressure: resulting in danger of bursting or explosion.
Potentially explosive mixtures may form if adequate ventilation is not provided.
Repeated exposure may cause skin dryness or cracking.
see section 11: Toxicological information

3. Composition / Information on ingredients

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 64742-47-8	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	10 - 25 %	Aspiration Toxicity 1.
CAS 64742-48-9	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	10 - 25 %	Flammable Liquid 3. Specific Target Organ Toxicity (Single Exposure) 3. Aspiration Toxicity 1.
CAS 9016-45-9	Nonylphenol, ethoxylated	0.1 - 1 %	Acute Toxicity 4 (oral). Acute Toxicity 4 (dermal). Skin Irritation 2. Eye Irritation 2A. Aquatic toxicity - chronic 2.
CAS 95-63-6	1,2,4-Trimethylbenzene	0.1 - 1 %	Flammable Liquid 3. Acute Toxicity 4 (inhalative). Skin Irritation 2. Eye Irritation 2A. Specific Target Organ Toxicity (Single Exposure) 3. Aquatic toxicity - chronic 2.
CAS 106-97-8	Butane	< 25 %	Flammable Gas 1. Compressed Gas.
CAS 74-98-6	Propane	< 10 %	Flammable Gas 1. Compressed Gas.



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4. First aid measures

- General information: First aider: Pay attention to self-protection!
Never give anything by mouth to an unconscious person.
- 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. Remove contact lenses, if present and easy to do.
Continue rinsing. Remove contact lenses, if present and easy to do. Continue rinsing.
- After swallowing: Seek medical attention. Do not induce vomiting.

Most important symptoms and effects, both acute and delayed

May cause drowsiness or dizziness.

Information to physician

Treat symptomatically. Do not induce vomiting.

5. Fire fighting measures

- Flash point/flash point range: not applicable
- Auto-ignition temperature: not self-igniting
- Suitable extinguishing media: Water mist, extinguishing powder, alcohol resistant foam, carbon dioxide.
- Extinguishing media which must not be used for safety reasons: full water jet

Specific hazards arising from the chemical

Extremely flammable aerosol. Contains gas under pressure; may explode 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:

In case of fire and/or explosion do not breathe fumes. Cool exposed containers with water spray. 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: 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.



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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. Container under pressure.

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: < 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
64742-47-8	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Canada, BC: OEL TWA	200 mg/m ³ (May be absorbed through the skin.)
95-63-6	1,2,4-Trimethylbenzene	Canada, Alberta: OEL 8 hour Canada, BC: OEL TWA Canada, Québec: VEMP USA: ACGIH: TWA USA: NIOSH: TWA	123 mg/m ³ ; 25 ppm 25 ppm 123 mg/m ³ ; 25 ppm 123 mg/m ³ ; 25 ppm 125 mg/m ³ ; 25 ppm
106-97-8	Butane	Canada, Alberta: OEL 8 hour Canada, BC: OEL STEL Canada, BC: OEL TWA Canada, Ontario: OEL TWA Canada, Québec: VEMP USA: ACGIH: TWA USA: NIOSH: TWA	1000 ppm 750 ppm 600 ppm 800 ppm 1900 mg/m ³ ; 800 ppm 2370 mg/m ³ ; 1000 ppm 1900 mg/m ³ ; 800 ppm
74-98-6	Propane	Canada, Alberta: OEL 8 hour Canada, Québec: VEMP USA: NIOSH: TWA USA: OSHA: TWA	1000 ppm 1800 mg/m ³ ; 1000 ppm 1800 mg/m ³ ; 1000 ppm 1800 mg/m ³ ; 1000 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: > 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. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

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.



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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: yellowish
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:	LEL (Lower Explosion Limit): 0.50 Vol-% UEL (Upper Explosive Limit): 10.90 Vol-%
Vapor pressure:	at 20 °C: 2100 hPa
Vapor density:	No data available
Density:	at 20 °C: 0.75 g/cm ³
Water solubility:	immiscible
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:	200 °C
Solvent content:	59.1 %
Solid content:	3 %

10. Stability and reactivity

Reactivity:	Extremely flammable aerosol. Contains gas under pressure; may explode if heated. 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 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.
ATEmix (calculated): > 5000 mg/kg.
Acute toxicity (dermal): Based on available data, the classification criteria are not met.
ATEmix (calculated): > 5000 mg/kg.
Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
ATEmix (calculated): > 20 mg/L.
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): Specific Target Organ Toxicity (Single Exposure) 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, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
LD50 Rat, oral: > 5000 mg/kg
LD50 Rabbit, dermal: > 5000 mg/kg
LC50 Rat, inhalative: > 5000 mg/L/8h
Information about: Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics
LD50 Rat, oral: > 5000 mg/kg
LD50 Rabbit, dermal: > 5000 mg/kg
LC50 Rat, inhalative: > 4951 mg/L/4h

Symptoms

Inhaling can lead to irritations of the respiratory tract and mucous membrane.
Higher doses may have a narcotic effect.
After contact with skin: Repeated exposure may cause skin dryness or cracking.

12. Ecological information

Ecotoxicity

Further details: No data available

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):

59.05 % by weight = 443.1 g/L

General information: 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. Do not dispose of with household waste. Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Empty carefully and completely, if possible. Handle empty containers with care.
Incineration may cause explosion. Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

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



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: 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

15. Regulatory information

National regulations - Canada

No data available



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National regulations - U.S. Federal Regulations

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics:

TSCA Inventory: listed; UVCB

TSCA HPVC: not listed

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics:

TSCA Inventory: listed; EPA flags P

TSCA HPVC: not listed

Nonylphenol, ethoxylated:

TSCA Inventory: listed; EPA flags XU

TSCA HPVC: not listed

1,2,4-Trimethylbenzene:

TSCA Inventory: listed

TSCA HPVC: not listed

Other Environmental Laws:

SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard

NIOSH Recommendations:

Occupational Health Guideline: 0638

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*

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

National regulations - U.S. State Regulations

California Proposition 65: Not listed.

National regulations - EC member states

Further regulations, limitations and legal requirements:

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: Nonylphenol, ethoxylated (EQC)

16. Other information

Text for labeling:

Contains 10 - 25 % Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics, 10 - 25 % Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics, 0.1 - 1 % Nonylphenol, ethoxylated, 0.1 - 1 % 1,2,4-Trimethylbenzene, < 25 % Butane, < 10 % Propane. Safety data sheet available on request.

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 4 (Severe)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight) - Chronic effects

Flammability: 4 (Severe)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	*	1
FLAMMABILITY		4
PHYSICAL HAZARD		0
		X

Reason of change:

ADR/RID 2017, IMDG 2017

Date of first version:

14/Oct/2015



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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.