

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010

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# Airtac 2 Mega

Material number 1171

# 1. Product and company identification

#### **Product identifier**

Trade name: Airtac 2 Mega

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

General use: Temporary spray adhesive

For industrial purposes only

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

Company name: Airtech Europe Sarl Airtech International, Inc.

> 5700 Skylab Road Zone industrielle Haneboesch

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#### **Emergency phone number**

**CHEMTREC EMERGENCY PHONE:** Within USA/Canada: 1-(800)424-9300

International: +1 703-741-5970

### 2. Hazards identification

#### **Emergency overview**

Odor:

Appearance: Physical state at 68 °F and 101.3 kPa: liquid

> Form: Aerosol Color: amber hydrocarbons

Classification: Flammable Aerosol -

Category 1; Compressed Gas; Specific Target Organ Toxicity (Single Exposure) -

Category 3; Aquatic toxicity - chronic - Category 2;



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Hazard symbols:









Signal word: Danger

Hazard statements: Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.

May cause drowsiness or dizziness.

Toxic to aquatic life with long lasting effects.

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 vapors/spray.

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor if you feel unwell.

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).

### Hazards not otherwise classified

Heating will lead to pressure increase: Danger of bursting and explosion.

In use, may form flammable/explosive vapor-air mixture.

see section 11: Toxicological information

# 3. Composition / Information on ingredients

Chemical characterization:

Mixture containing the substances listed below:

Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 64742-49-0	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	30 - 60 %	Flammable Liquid - Category 2. Specific Target Organ Toxicity (Single Exposure) - Category 3. Aspiration Toxicity - Category 1. Aquatic toxicity - chronic - Category 2.
CAS 109-66-0	n-Pentane	5 - 10 %	Flammable Liquid - Category 1. Specific Target Organ Toxicity (Single Exposure) - Category 3. Aspiration Toxicity - Category 1. Aquatic toxicity - chronic - Category 2.
CAS 68476-85-7	Petroleum gases, liquefied	10 - 30 %	Flammable Gas - Category 1. Liquefied Gas.
CAS 75-37-6	1,1-Difluoroethane	10 - 30 %	Flammable Gas - Category 1. Liquefied Gas.



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Additional information: Information about Petroleum gases, liquefied:

Contains < 0.1 % 1,3-Butadiene.

### 4. First aid measures

General information: Move victim to fresh air. First aider: Pay attention to self-protection!

If medical advice is needed, have product container or label at hand.

In case of inhalation: Provide fresh air. If breathing becomes irregular or ceases, apply rescue breathing or

artificial respiration immediately, where required supply oxygen. Put victim at rest and

keep warm. Seek medical attention.

Following skin contact: Remove residues with soap and water. Take off contaminated clothing and wash it before

reuse. Do not use solvents or thinners. In case of skin reactions, consult a physician.

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids After eye contact:

apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently

consult an ophthalmologist.

If swallowed, rinse mouth with water (only if the person is conscious). Do not induce After swallowing:

vomiting. Danger of aspiration. Immediately get medical attention.

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

May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or

After resorption: CNS disorders, unconsciousness, pain

Reaction time and coordination may be impaired.

#### Information to physician

Treat symptomatically.

# 5. Fire fighting measures

Flash point/flash point range:

<= -76 °F (propellant)

Auto-ignition temperature:

No data available

Suitable extinguishing media:

Water spray jet, alcohol resistant foam, carbon dioxide, dry chemical powder

Extinguishing media which must not be used for safety reasons:

Full 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.

In case of fire may be liberated: Nitrogen oxides (NOx), traces of incompletely burned carbon compounds, carbon monoxide and carbon dioxide

Protective equipment and precautions for firefighters:

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

clothing.

Additional information: Container under pressure. Heating will lead to pressure increase: Danger of bursting and

explosion.

Cool endangered containers with water spray and, if possible, remove from danger zone.

Do not allow water used to extinguish fire to enter drains, ground or waterways.



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### 6. Accidental release measures

Personal precautions: Eliminate all ignition sources if safe to do so. Provide adequate ventilation. Keep

unprotected people away. Evacuate area. Avoid breathing vapors/spray. Avoid contact with skin and eyes. Wear appropriate protective equipment. Take off contaminated

clothing and wash it before reuse. Keep unprotected people away.

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).

Thoroughly clean surrounding area.

In case of greater quantities: Collect mechanically (use only explosion-proof equipment

when pumping out).

Additional information: Use explosion-proof equipment and non-sparking tools/utensils. Take precautionary

measures against static discharges.

# 7. Handling and storage

#### Handling

Advices on safe handling: Avoid breathing vapors/spray.

Do not open or incinerate, even when empty. Do not spray into flames or on

incandescent objects.

Provide good ventilation and/or an exhaust system in the work area. Do not spray into

eyes or onto the skin.

Wear appropriate protective equipment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse.

Precautions against fire and explosion:

Forms explosive mixtures with air. Use only spark proof tools.

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

#### Storage

Requirements for storerooms and containers:

Keep in a cool, well-ventilated place. Keep container dry.

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

Store containers in upright position.

Hints on joint storage: Do not store together with: Strong oxidizing agents, strong alkalis, strong acids



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# 8. Exposure controls / personal protection

#### **Exposure guidelines**

Occupational exposure limit values:

CAS No.	Designation	Туре	Limit value
109-66-0	n-Pentane	USA: ACGIH: TWA USA: NIOSH: Ceiling USA: NIOSH: TWA USA: OSHA: TWA	2950 mg/m³; 1000 ppm 1800 mg/m³; 610 ppm 350 mg/m³; 120 ppm 2950 mg/m³; 1000 ppm
68476-85-7	Petroleum gases, liquefied	USA: NIOSH: TWA USA: OSHA: TWA	1800 mg/m³; 1000 ppm 1800 mg/m³; 1000 ppm

#### **Engineering controls**

Provide good ventilation and/or an exhaust system in the work area.

Take precautionary measures against static discharges.

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: Protective clothing, solvent-resistant.

Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Glove material: PE/PA/PE - Layer thickness: > 0.06 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) according to OSHA Standard -

29 CFR: 1910.134 or ANSI Z88.2.

The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product.

General hygiene considerations:

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

smoking.

Separate storage of work clothes. Avoid breathing vapors/spray.

When using do not eat or drink.

Wash hands before breaks and after work.

Take off contaminated clothing and wash it before reuse. Do not spray into eyes or onto

the skin.

### **Environmental exposure controls**

Refer to 6.: Section "Environmental precautions".

# 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: amber hydrocarbons

Odor: hydrocarbons
Odor threshold: No data available



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pH: 7 (solution, concentrated)

Melting point/freezing point:

Initial boiling point and boiling range:

Flash point/flash point range:

Evaporation rate:

No data available

95 °F (n-Pentane)

<= -76 °F (propellant)

No data available

Flammability: Extremely flammable aerosol.

Explosion limits: LEL (Lower Explosion Limit): 1.40 Vol-% (propellant)

UEL (Upper Explosive Limit): 10.90 Vol-% (propellant)

Vapor pressure: No data available
Vapor density: No data available

Density: at 68 °F: 0.8 g/mL (liquid)

Water solubility: insoluble

Partition coefficient: n-octanol/water:

Auto-ignition temperature:

Thermal decomposition:

No data available

No data available

Viscosity, dynamic: at 68 °F: 200 - 600 mPa\*s (liquid) viscosity, kinematic: at 68 °F: 250 - 760 mm²/s (liquid)

Explosive properties: Vapors may form explosive mixtures with air.

Oxidizing characteristics: not oxidising

# 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:

Pressurised container: May burst 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: Strong oxidizing agents, strong acids, alkalis

Hazardous decomposition products:

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.

Serious eye damage/irritation: Based on available data, the classification criteria are not met

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

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

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.

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

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

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

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

#### **Symptoms**

In case of inhalation: Narcotic effect in case of higher doses or prolonged exposure. Product may cause headaches, dizziness or troubles of the central nervous system. chest pressure, chest pain, cough. Leads to unconsciousness in high concentrations. In case of ingestion:

Dizziness, headache, weakness. intoxication. Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

After contact with skin: Repeated exposure may cause skin dryness or cracking. 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.

#### Mobility in soil

No data available

#### Persistence and degradability

Further details: No data available

#### Additional ecological information

Volatile organic compounds (VOC):

max. 64 % by weight = 512 g/L

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



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# 13. Disposal considerations

**Product** 

Recommendation: Do not open with force or incinerate, even when empty.

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

waste. This material and its container must be disposed of as hazardous waste.

**Package** 

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

### 14.2 UN proper shipping name

ADR/RID, IMDG: UN 1950, AEROSOLS

IATA-DGR: UN 1950, AEROSOLS, FLAMMABLE

#### Transport hazard class(es)

ADR/RID: Class 2. Code: 5F

IMDG: Class 2, Subrisk -, see SP63

IATA-DGR: Class 2.1

### **Packing group**

ADR/RID, IATA-DGR: not applicable

IMDG:

#### **Environmental hazards**

Marine pollutant: ves

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

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

Identification number: UN1950

Proper shipping name: UN 1950, AEROSOLS

2.1 Hazard class or Division: 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:

Vessel stowage - Other: 25, 87, 126







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#### Sea transport (IMDG)

UN number: UN 1950

Proper shipping name: UN 1950, AEROSOLS
Class or division, Subsidary 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

Package - Instructions: P207, LP200
Package - 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:

Segregation group:

none

#### Air transport (IATA)

UN/ID number: UN 1950

Proper shipping name: UN 1950, AEROSOLS, FLAMMABLE

Class or division, Subsidary 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

Hydrocarbons, C6-C7, isoalkanes, TSCA Inventory: listed; UVCB

cyclics, <5% n-hexane: TSCA HPVC: not listed

n-Pentane: TSCA Inventory: listed; EPA flags T

TSCA HPVC: not listed

Clean Air Act:

Accidental Release Prevention: Threshold 10000 lbs. / Basis

for listing = q

**NIOSH Recommendations:** 

Occupational Health Guideline: 0486

Petroleum gases, liquefied: TSCA Inventory: listed; UVCB

> TSCA HPVC: not listed NIOSH Recommendations:

Occupational Health Guideline: 0372

TSCA Inventory: listed 1,1-Difluoroethane:

TSCA HPVC: not listed

Clean Air Act:

Accidental Release Prevention: Threshold 10000 lbs. / Basis

for listing = f

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

1,1-Difluoroethane: California Prop 65 List: None

### 16. Other information

Contains 30 - 60 % Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane, 5 - 10 % Text for labeling:

n-Pentane, 10 - 30 % Petroleum gases, liquefied, 10 - 30 % 1,1-Difluoroethane. Safety

data sheet available on request.

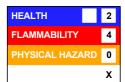
Hazard rating systems:

HMIS Version III Rating:

NFPA Hazard Rating: Health: 2 (Moderate) Fire: 4 (Severe) Reactivity: 0 (Minimal)

Health: 2 (Moderate) Flammability: 4 (Severe) Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor





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Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

OEL: Occupational Exposure Limit Value

AS/NZS: Australian Standards/New Zealand Standards

CAS: Chemical Abstracts Service CFR: Code of Federal Regulations

CLP: Classification, Labelling and Packaging

CNS: Central Nervous System
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EN: European Standard
EU: European Union

IATA: International Air Transport Association

IBC Code: International Code for the Construction and Equipment of Ships carrying

Dangerous Chemicals in Bulk

IMDG Code: International Maritime Dangerous Goods Code

LEL: Lower Explosion Limit

MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution

from Ships

OSHA: Occupational Safety and Health Administration

PBT: Persistent, bioaccumulative and toxic PNEC: Predicted no-effect concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

STOT SE: Specific target organ toxicity - single exposure

TLV: Threshold Limit Value

**UN: United Nations** 

vPvB: Very persistent and very bioaccumulative

WEL: Workplace Exposure Limit CNS: Central Nervous System

#### Department issuing data sheet

Contact person: see section 1: Department responsible for information

This data sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, and which additional precautions may be necessary. All health and safety information contained in this data sheet should be provided to your employees and customers. It is your responsibility to develop appropriate workplace instructions and training programs for employees.

As the conditions and methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. All statements or suggestions are made without warranty, expressed or implied, regarding accuracy of information, the hazards connected with the use of the product or the results to be obtained from the use thereof.