Energizer.

Holdings Inc.

acc. to 29 CFR 1910.1200 App D

# Certified A/C Pro Auto Air Conditioning A/C Stop Leak & Detector

Version number: 10.0 Revision: 2024-06-18 Replaces version of: 2023-08-23 (9)

## **SECTION 1: Identification**

#### 1.1 Product identifier

Trade name Certified A/C Pro Auto Air Conditioning A/C Stop

Leak & Detector

Alternative number(s) 048168452484

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

Relevant identified uses General use

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

Energizer Manufacturing, Inc. 25225 Detroit Rd. Westlake OH 44145 United States

Telephone: 800-383-7323; 314-985-2000 (USA / CANADA)

e-mail: Autocare.regulatory@energizer.com

Website: http://data.energizer.com

Energizer Trading Ltd.

Sword House, Totteridge Road, High Wycombe, HP13 6DG, UK

Telephone: +44(0)8000353376

e-mail: ConsumerServiceEU@energizer.com

#### 1.4 Emergency telephone number

**Emergency information service** 

FOR EMERGENCY in USA & Canada CALL +1 800 255-3924 / For International CALL +1 813 248 0585 This number is only available during the following office hours: Mon-Fri 09:00 AM - 05:00 PM

# **SECTION 2: Hazard(s) identification**

#### 2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard state- ment
B.5	gases under pressure	L	Press. Gas L	H280

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects Contains gas under pressure; may explode if heated.

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#### 2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word warning

- Pictograms

GHS04



- Hazard statements

H280 Contains gas under pressure; may explode if heated.

- Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P410+P403 Protect from sunlight. Store in a well-ventilated place.

## 2.3 Other hazards

Hazards not otherwise classified

Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq$  0.1%.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of  $\geq$  0.1%.

# **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

Not relevant (mixture)

#### 3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
R-134a	CAS No 811-97-2	50 - < 75	Press. Gas C / H280	$\Diamond$
Dimethyl adipate	CAS No Trade secret 627-93-0	1-<5	Acute Tox. 4 / H312	<b>(1)</b>

#### **Remarks**

For full text of abbreviations: see SECTION 16

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Legend: Press. Gas

Press. Gas C: Gas under pressure: compressed gas Press. Gas L: Gas under pressure: liquefied gas

Press. Gas R: Gas under pressure: refrigerated liquefied gas

Press. Gas D: Gas under pressure: dissolved gas.

#### **SECTION 4: First-aid measures**

# 4.1 Description of first-aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

#### Following skin contact

Thaw frosted parts with lukewarm water. Do not rub affected area.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

## Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

## 4.3 Indication of any immediate medical attention and special treatment needed

none

## **SECTION 5: Fire-fighting measures**

#### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder

Unsuitable extinguishing media

Water jet

#### 5.2 Special hazards arising from the substance or mixture

Contact with the product can cause burns and/or frostbite. Contains gas under pressure; may explode if heated.

#### Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2)

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## 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

# **SECTION 6: Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

## 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

#### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

#### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

## 7.2 Conditions for safe storage, including any incompatibilities

Level 2 Aerosol.

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Managing of associated risks

- Flammability hazards
  Protect from sunlight.
- Packaging compatibilities
  Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

## 7.3 Specific end use(s)

See section 16 for a general overview.

## **SECTION 8: Exposure controls/personal protection**

## 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits) this information is not available

# Relevant DNELs of components

Name of sub- stance	CAS No	End- point	Threshold level	Protection goal, route of expos- ure	Used in	Exposure time
R-134a	811-97-2	DNEL	13,936 mg/ m³	human, inhalatory	worker (industry)	chronic - systemic effects
Dimethyl adipate	Trade secret 627-93-0	DNEL	8.3 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - systemic ef- fects
Dimethyl adipate	Trade secret 627-93-0	DNEL	8.3 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local ef- fects

# Relevant PNECs of components

Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environmental compartment	Exposure time
R-134a	811-97-2	PNEC	0.1 <sup>mg</sup> / <sub>l</sub>	aquatic organ- isms	freshwater	short-term (single instance)
R-134a	811-97-2	PNEC	0.01 <sup>mg</sup> / <sub>l</sub>	aquatic organ- isms	marine water	short-term (single instance)
R-134a	811-97-2	PNEC	73 <sup>mg</sup> / <sub>l</sub>	aquatic organ- isms	sewage treatment plant (STP)	short-term (single instance)
R-134a	811-97-2	PNEC	0.75 <sup>mg</sup> / <sub>kg</sub>	aquatic organ- isms	freshwater sedi- ment	short-term (single instance)
Dimethyl adipate	Trade secret 627-93-0	PNEC	0.18 <sup>mg</sup> / <sub>l</sub>	aquatic organ- isms	water	intermittent re- lease

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# Relevant PNECs of components

Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environmental compartment	Exposure time
Dimethyl adipate	Trade secret 627-93-0	PNEC	0.018 <sup>mg</sup> / <sub>l</sub>	aquatic organ- isms	freshwater	short-term (single instance)
Dimethyl adipate	Trade secret 627-93-0	PNEC	0.002 <sup>mg</sup> / <sub>l</sub>	aquatic organ- isms	marine water	short-term (single instance)
Dimethyl adipate	Trade secret 627-93-0	PNEC	10 <sup>mg</sup> / <sub>l</sub>	aquatic organ- isms	sewage treatment plant (STP)	short-term (single instance)
Dimethyl adipate	Trade secret 627-93-0	PNEC	0.16 <sup>mg</sup> / <sub>kg</sub>	aquatic organ- isms	freshwater sedi- ment	short-term (single instance)
Dimethyl adipate	Trade secret 627-93-0	PNEC	0.016 <sup>mg</sup> / <sub>kg</sub>	aquatic organ- isms	marine sediment	short-term (single instance)
Dimethyl adipate	Trade secret 627-93-0	PNEC	0.09 <sup>mg</sup> / <sub>kg</sub>	terrestrial organ- isms	soil	short-term (single instance)

# 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear protective gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

#### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

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# **SECTION 9: Physical and chemical properties**

# 9.1 Information on basic physical and chemical properties

# **Appearance**

Physical state	gaseous (liquefied)
Color	not determined
Particle	not relevant (gaseous)
Odor	characteristic

# Other safety parameters

pH (value)	not applicable (gaseous)
Melting point/freezing point	not determined
Initial boiling point and boiling range	230.9 °C at 1 atm
Flash point	not determined
Evaporation rate	Not determined
Flammability (solid, gas)	this material is combustible, but will not ignite readily
Vapor pressure	5.74 bar at 20 °C
Density	not determined
Vapor density	not determined
Relative density	Information on this property is not available
Solubility(ies)	not determined

## Partition coefficient

- n-octanol/water (log KOW)	this information is not available
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Auto-ignition temperature	>743 °C (auto-ignition temperature (liquids and gases))
Viscosity	not relevant (gaseous)
Explosive properties	none
Oxidizing properties	none

#### 9.2 Other information

Temperature class (USA, acc. to NEC 500)	T1 (maximum permissible surface temperature on the equipment:
	450°C)

# **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Gas under pressure.

#### If heated:

Danger of explosion, Gas under pressure, Danger of bursting container

## 10.2 Chemical stability

See below "Conditions to avoid".

#### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

#### 10.5 Incompatible materials

Oxidizers

#### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

# **SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

#### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

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## Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

#### Acute toxicity

Shall not be classified as acutely toxic.

## Acute toxicity estimate (ATE) of components

Name of substance	CAS No	Exposure route	ATE
Dimethyl adipate	Trade secret 627-93-0	dermal	>1,000 <sup>mg</sup> / <sub>kg</sub>

#### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

## Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

# Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

#### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

## Carcinogenicity

Shall not be classified as carcinogenic.

#### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

#### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

# Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

#### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

# **SECTION 12: Ecological information**

#### 12.1 Toxicity

Toxic to aquatic life with long lasting effects.

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Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
R-134a	811-97-2	LC50	560 <sup>mg</sup> / <sub>l</sub>	fish	24 h
R-134a	811-97-2	EC50	960 <sup>mg</sup> / <sub>l</sub>	aquatic invertebrates	24 h
Dimethyl adipate	Trade secret 627-93-0	EC50	72 <sup>mg</sup> / <sub>l</sub>	aquatic invertebrates	48 h
Dimethyl adipate	Trade secret 627-93-0	NOEC	12.5 <sup>mg</sup> / <sub>l</sub>	algae	72 h

## Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
R-134a	811-97-2	EC50	>730 <sup>mg</sup> / <sub>l</sub>	microorganisms	6 h

## 12.2 Persistence and degradability

Data are not available.

#### 12.3 Bioaccumulative potential

Data are not available.

# 12.4 Mobility in soil

Data are not available.

## 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0.1\%$ .

## 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of  $\geq$  0.1%.

#### 12.7 Other adverse effects

Data are not available.

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## **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## **SECTION 14: Transport information**

#### 14.1 UN number

DOT UN 3159
IMDG-Code UN 3159
ICAO-TI UN 3159

# 14.2 UN proper shipping name

DOT 1,1,1,2-Tetrafluoroethane
IMDG-Code 1,1,1,2-TETRAFLUOROETHANE
ICAO-TI 1,1,1,2-Tetrafluoroethane

#### 14.3 Transport hazard class(es)

DOT 2.2 IMDG-Code 2.2 ICAO-TI 2.2

## **14.4 Packing group** not assigned

#### **14.5** Environmental hazards hazardous to the aquatic environment

Environmentally hazardous substance (aquatic Benzene derivatives environment)

#### 14.6 Special precautions for user

There is no additional information.

#### 14.7 Transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

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## Information for each of the UN Model Regulations

## Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration UN3159, 1,1,1,2-Tetrafluoroethane, 2.2, environ-

mentally hazardous

Danger label(s) 2.2, fish and tree



Environmental hazards yes (hazardous to the aquatic environment)

Special provisions (SP) T50 ERG No 126

## International Maritime Dangerous Goods Code (IMDG) - Additional information

Particulars in the shipper's declaration UN3159, 1,1,1,2-TETRAFLUOROETHANE, 2.2, MAR-

**INE POLLUTANT** 

Marine pollutant yes (hazardous to the aquatic environment)

Danger label(s) 2.2, fish and tree





Special provisions (SP) -

Excepted quantities (EQ) E1

Limited quantities (LQ) 120 mL EmS F-C, S-V

Stowage category A

## International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Particulars in the shipper's declaration UN3159, 1,1,1,2-Tetrafluoroethane, 2.2

Environmental hazards yes (hazardous to the aquatic environment)

Danger label(s) 2.2



Excepted quantities (EQ) E1

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# **SECTION 15: Regulatory information**

# 15.1 Safety, health and environmental regulations specific for the product in question National regulations (United States)

Toxic Substance Control Act (TSCA) all ir

all ingredients are listed (ACTIVE) or exempt from listing

# Superfund Amendment and Reauthorization Act (SARA TITLE III )

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

 Specific Toxic Chemical Listings (EPCRA Section 313) none of the ingredients are listed

#### Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4) none of the ingredients are listed

#### **Clean Air Act**

none of the ingredients are listed

# California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

none of the ingredients are listed

# Drug precursors, Chemicals designated within the Controlled Substances Act, 21 U.S.C. § 802, paragraphs 34 (list I) and 35 (list II)

none of the ingredients are listed

#### Industry or sector specific available guidance(s)

#### **NPCA-HMIS® III**

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	/	none
Health	0	no significant risk to health
Flammability	1	material that must be preheated before ignition can occur
Physical hazard	1	material that is normally stable but can become unstable (self-react) at high temperat- ures and pressures. Material may react non-violently with water or undergo hazard- ous polymerization in the absence of inhibitors
Personal protection	-	

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#### **NFPA® 704**

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	1	material that must be preheated before ignition can occur
Health	3	material that, under emergency conditions, can cause serious or permanent injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

## **National inventories**

Country	Inventory	Status
AU	AIIC	all ingredients are listed
CA	DSL	all ingredients are listed
CN	IECSC	all ingredients are listed
EU	ECSI	not all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
JP	CSCL-ENCS	not all ingredients are listed
JP	ISHA-ENCS	not all ingredients are listed
KR	KECI	all ingredients are listed
MX	INSQ	not all ingredients are listed
NZ	NZIoC	all ingredients are listed
PH	PICCS	all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	all ingredients are listed
US	TSCA	all ingredients are listed (ACTIVE)
VN	NCI	all ingredients are listed

Legend

Australian Inventory of Industrial Chemicals Chemical Inventory and Control Regulation List of Existing and New Chemical Substances (CSCL-ENCS) AIIC CICR CSCL-ENCS

DSL

Domestic Substances List (DSL) EC Substance Inventory (EINECS, ELINCS, NLP) **ECSI** 

Inventory of Existing Chemical Substances Produced or Imported in China **IECSC** 

National Inventory of Chemical Substances

ISHA-ENCS Inventory of Existing and New Chemical Substances (ISHA-ENCS)

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Legend

Korea Existing Chemicals Inventory KECI NCI National Chemical Inventory NZIoC

New Zealand Inventory of Chemicals Philippine Inventory of Chemicals and Chemical Substances (PICCS) REACH registered substances **PICCS** 

REACH Reg.

Taiwan Chemical Substance Inventory TCSI

Toxic Substance Control Act **TSCA** 

# 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

# SECTION 16: Other information, including date of preparation or last revision

## **Indication of changes (revised safety data sheet)**

Section	Former entry (text/value)	Actual entry (text/value)	Safety- relev- ant
2.1		Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200): change in the listing (table)	yes
2.3	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0.1%.	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0.1%.	yes
2.3	Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0.1%.	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0.1%.	yes
3.2		Description of the mixture: change in the listing (table)	yes
3.2		Remarks: For full text of abbreviations: see SECTION 16	yes
8.1		Relevant DNELs of components: change in the listing (table)	yes
8.1		Relevant PNECs of components: change in the listing (table)	yes
9.1	Physical state: gaseous (dissolved, in a liquid solvent)	Physical state: gaseous (liquefied)	yes
9.1	pH (value): not determined	pH (value): not applicable (gaseous)	yes
11.1		Acute toxicity estimate (ATE) of components: change in the listing (table)	yes
12.1		Aquatic toxicity (acute) of components of the mix- ture: change in the listing (table)	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety- relev- ant
12.5	Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0.1%.	Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0.1\%$ .	yes
12.6	Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of ≥ 0.1%.	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0.1%.	yes
14.1	DOT: UN 2037	DOT: UN 3159	yes
14.1	IMDG-Code: UN 2037	IMDG-Code: UN 3159	yes
14.1	ICAO-TI: UN 2037	ICAO-TI: UN 3159	yes
14.2	DOT: Receptacles, small, containing gas	DOT: 1,1,1,2-Tetrafluoroethane	yes
14.2	IMDG-Code: RECEPTACLES, SMALL, CONTAINING GAS	IMDG-Code: 1,1,1,2-TETRAFLUOROETHANE	yes
14.2	ICAO-TI: Receptacles, small, containing gas	ICAO-TI: 1,1,1,2-Tetrafluoroethane	yes
14.5.1	Additional information: LTD QTY		yes
14.7	Particulars in the shipper's declaration: UN2037, Receptacles, small, containing gas, 2.2, environmentally hazardous	Particulars in the shipper's declaration: UN3159, 1,1,1,2-Tetrafluoroethane, 2.2, environ- mentally hazardous	yes
14.7	Special provisions (SP): LTD QTY	Special provisions (SP): T50	yes
14.7	ERG No: 115	ERG No: 126	yes
14.7	Particulars in the shipper's declaration: UN2037, RECEPTACLES, SMALL, CONTAINING GAS, (Benzene derivatives), 2.2, MARINE POLLUT- ANT	Particulars in the shipper's declaration: UN3159, 1,1,1,2-TETRAFLUOROETHANE, 2.2, MAR- INE POLLUTANT	yes
14.7	Special provisions (SP): 191, 277, 303, 327, 344, 959	Special provisions (SP): -	yes
14.7	Excepted quantities (EQ): E0	Excepted quantities (EQ): E1	yes
14.7	Limited quantities (LQ): 1 L	Limited quantities (LQ): 120 mL	yes

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acc. to 29 CFR 1910.1200 App D

# Certified A/C Pro Auto Air Conditioning A/C Stop Leak & Detector

Version number: 10.0 Revision: 2024-06-18 Replaces version of: 2023-08-23 (9)

Section	Former entry (text/value)	Actual entry (text/value)	Safety- relev- ant
14.7	EmS: F-D, S-U	EmS: F-C, S-V	yes
14.7	Stowage category: B	Stowage category: A	yes
14.7	Particulars in the shipper's declaration: UN2037, Receptacles, small, containing gas, 2.2	Particulars in the shipper's declaration: UN3159, 1,1,1,2-Tetrafluoroethane, 2.2	yes
14.7	Special provisions (SP): A98, A145, A167		yes
14.7	Excepted quantities (EQ): E0	Excepted quantities (EQ): E1	yes
14.7	Limited quantities (LQ): 1 kg		yes

# Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

## **Classification procedure**

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

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