



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

SECTION 1: Identification

1.1 Product identifier

Trade name **Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)**
Alternative number(s) 079933618446

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>

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 statement
A.10	acute toxicity (oral)	2	Acute Tox. 2	H300
A.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
A.5	germ cell mutagenicity	1B	Muta. 1B	H340
A.6	carcinogenicity	1A	Carc. 1A	H350
A.7	reproductive toxicity	2	Repr. 2	H361f
A.8D	specific target organ toxicity - single exposure (narcotic effects, drowsiness)	3	STOT SE 3	H336
A.9	specific target organ toxicity - repeated exposure	2	STOT RE 2	H373

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

Section	Hazard class	Category	Hazard class and category	Hazard statement
B.3	flammable aerosol	1	Flam. Aerosol 1	H222
B.5	gases under pressure	C	Press. Gas C	H280

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Delayed or immediate effects can be expected after short or long-term exposure. Contains gas under pressure; may explode if heated.

2.2 Label elements

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

- Signal word danger

- Pictograms

GHS02, GHS04, GHS06,
GHS07, GHS08



- Hazard statements

- H222 Extremely flammable aerosol.
- H280 Contains gas under pressure; may explode if heated.
- H300 Fatal if swallowed.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H340 May cause genetic defects.
- H350 May cause cancer.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.

- Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Pressurized container: Do not pierce or burn, even after use.
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves.
- P301+P310 If swallowed: Immediately call a poison center/doctor.
- P302+P352 If on skin: Wash with plenty of water.
- P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
- P312 Call a poison center/doctor if you feel unwell.
- P321 Specific treatment (see on this label).

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

- Precautionary statements

P330	Rinse mouth.
P362	Take off contaminated clothing and wash before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+P403	Protect from sunlight. Store in a well-ventilated place.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- Hazardous ingredients for labelling

Petroleum gases, liquefied, sweetened, n-hexane, methylcyclopentane, 2-methylpentane

2.3 Other hazards

Hazards not otherwise classified

Very toxic to aquatic life with long lasting effects (GHS category 1: aquatic toxicity - acute and/or chronic).

Results of PBT and vPvB assessment

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

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) 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
Petroleum gases, liquefied, sweetened	CAS No 68476-86-8	25 - < 50	Muta. 1B / H340 Carc. 1A / H350 Flam. Gas 1 / H220 Press. Gas C / H280	
n-hexane	CAS No 110-54-3	10 - < 25	Skin Irrit. 2 / H315 Repr. 2 / H361f STOT SE 3 / H336 STOT RE 2 / H373 Asp. Tox. 1 / H304 Flam. Liq. 2 / H225	
methylcyclopentane	CAS No 96-37-7	10 - < 25	Acute Tox. 2 / H300 Flam. Liq. 2 / H225	

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
3-methylpentane	CAS No 96-14-0	5 – < 10	Acute Tox. 2 / H300 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 2 / H225	
2-methylpentane	CAS No 107-83-5	5 – < 10	Acute Tox. 2 / H300 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 2 / H225	
2,2-dimethylbutane	CAS No 75-83-2	5 – < 10	Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 2 / H225	
2,3-dimethylbutane	CAS No 79-29-8	5 – < 10	Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 2 / H225	

For full text of abbreviations: see SECTION 16.

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. In case of respiratory tract irritation, consult a physician. 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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

4.2 Most important symptoms and effects, both acute and delayed

Narcotic effects.

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)

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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

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.

Managing of associated risks

- Flammability hazards

Do not spray on an open flame or other ignition source. 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)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
US	hexane, mixture of isomers	107-83-5	PEL (CA)	500	1,800	1,000	3,600				Cal/OSHA PEL
US	hexane, mixture of isomers	107-83-5	REL	100 (10 h)	350 (10 h)			510 (15 min)	1,800 (15 min)		NIOSH REL



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
US	isohexane	107-83-5	TLV®	500		1,000					AC-GIH® 2023
US	n-hexane	110-54-3	PEL (CA)	50	180						Cal/OSHA PEL
US	n-hexane	110-54-3	REL	50 (10 h)	180 (10 h)						NIOSH REL
US	n-hexane	110-54-3	PEL	500	1,800						29 CFR 1910.1000
US	n-hexane	110-54-3	TLV®	50						H	AC-GIH® 2023
US	neohexane	75-83-2	TLV®	500		1,000					AC-GIH® 2023
US	diisopropyl	79-29-8	TLV®	500		1,000					AC-GIH® 2023
US	C5-6 cycloalkanes	96-37-7	TLV®		1,500						AC-GIH® 2023

Notation

Ceiling-C

ceiling value is a limit value above which exposure should not occur

H

absorbed through the skin

STEL

short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Biological limit values

Country	Name of agent	Parameter	Notation	Identifier	Value	Source
US	n-hexane	2,5-hexanedione	no_hydr	BEI®	0.5 mg/l	ACGIH® 2023

Notation

no_hydr

no hydrolysis



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

Relevant DNELs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Petroleum gases, liquefied, sweetened	68476-86-8	DNEL	23.4 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
2,2-dimethylbutane	75-83-2	DNEL	5,306 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
2,2-dimethylbutane	75-83-2	DNEL	13,964 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
2,3-dimethylbutane	79-29-8	DNEL	5,306 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
2,3-dimethylbutane	79-29-8	DNEL	13,964 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

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

In the case of wanting to use the gloves again, clean them before taking off and air them well.

- Other protection measures

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

Respiratory protection

During spraying wear suitable respiratory equipment.

Environmental exposure controls

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



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	aerosol (spray aerosol)
Color	not determined
Particle	not relevant (aerosol)
Odor	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	-161.5 °C at 1,013 hPa
Flash point	-88.6 °C at 1,013 hPa
Evaporation rate	Not determined
Flammability (solid, gas)	flammable aerosol in accordance with GHS criteria

Explosive limits

- Lower explosion limit (LEL)	5 vol%
- Upper explosion limit (UEL)	15 vol%
Vapor pressure	59.89 PSI at 20 °C
Density	not determined
Vapor density	this information is not available
Relative density	Information on this property is not available
Solubility(ies)	not determined



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	315 °C (auto-ignition temperature (liquids and gases))
Viscosity	not relevant (aerosol)
Explosive properties	none
Oxidizing properties	none

9.2 Other information

Propellant content	30 %
Temperature class (USA, acc. to NEC 500)	T2 (maximum permissible surface temperature on the equipment: 300°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. Risk of ignition.

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

Do not spray on an open flame or other ignition source. Keep away from heat.

Hints to prevent fire or explosion

Protect from sunlight.

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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

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).

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

Acute toxicity

Fatal if swallowed.

- Acute toxicity estimate (ATE)

Oral 47.38 mg/kg

Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
methylcyclopentane	96-37-7	oral	15.84 mg/kg
3-methylpentane	96-14-0	oral	15.84 mg/kg
2-methylpentane	107-83-5	oral	15.84 mg/kg

Skin corrosion/irritation

Causes skin irritation.

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

May cause genetic defects.

Carcinogenicity

May cause cancer.

Reproductive toxicity

Suspected of damaging fertility.

Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Petroleum gases, liquefied, sweetened	68476-86-8	LC50	49.47 mg/l	fish	96 h
Petroleum gases, liquefied, sweetened	68476-86-8	EC50	12.32 mg/l	algae	96 h
methylcyclopentane	96-37-7	LC50	4.45 mg/l	aquatic invertebrates	48 h
methylcyclopentane	96-37-7	EC50	5.048 mg/l	algae	96 h
3-methylpentane	96-14-0	LC50	3.649 mg/l	aquatic invertebrates	48 h
3-methylpentane	96-14-0	EC50	4.321 mg/l	algae	96 h
2-methylpentane	107-83-5	LC50	3.649 mg/l	aquatic invertebrates	48 h
2-methylpentane	107-83-5	EC50	4.321 mg/l	algae	96 h
2,2-dimethylbutane	75-83-2	LL50	2.12 mg/l	fish	96 h
2,2-dimethylbutane	75-83-2	EL50	3.68 mg/l	aquatic invertebrates	48 h
2,3-dimethylbutane	79-29-8	LL50	2.12 mg/l	fish	96 h
2,3-dimethylbutane	79-29-8	EL50	3.68 mg/l	aquatic invertebrates	48 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 in a concentration of $\geq 0.1\%$.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

12.6 Endocrine disrupting properties

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

12.7 Other adverse effects

Data are not available.

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

IMDG-Code	UN 1950
ICAO-TI	UN 1950

14.2 UN proper shipping name

IMDG-Code	AEROSOLS
ICAO-TI	Aerosols, flammable, containing substances in division 6.1, packing group III

14.3 Transport hazard class(es)

IMDG-Code	2.1 (6.1)
ICAO-TI	2.1 (6.1)

14.4 Packing group

not assigned

14.5 Environmental hazards

hazardous to the aquatic environment

Environmentally hazardous substance (aquatic environment)	n-hexane
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14.6 Special precautions for user

There is no additional information.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

14.7 Transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

DOT

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

Carriage prohibited.

Reportable quantity (RQ) 20,258 lbs (9,197 kg) (n-hexane) (cyclohexane)

International Maritime Dangerous Goods Code (IMDG) - Additional information

Particulars in the shipper's declaration UN1950, AEROSOLS, (n-hexane), 2.1 (6.1), -88.6°C c.c., MARINE POLLUTANT

Marine pollutant YES (hazardous to the aquatic environment)

Danger label(s) 2.1+6.1, fish and tree



Special provisions (SP) 63, 190, 277, 327, 344, 381, 959

Excepted quantities (EQ) E0

Limited quantities (LQ) 120 mL

EmS F-D, S-U

Stowage category -

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

Particulars in the shipper's declaration UN1950, Aerosols, flammable, containing substances in division 6.1, packing group III, 2.1 (6.1)

Environmental hazards YES (hazardous to the aquatic environment)

Danger label(s) 2.1+6.1



Special provisions (SP) A145, A167

Excepted quantities (EQ) E0

Limited quantities (LQ) 30 kg



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

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)

Toxics Release Inventory: Specific Toxic Chemical Listings

Name of substance	CAS No	Remarks	Effective date
n-hexane	110-54-3		1995-01-01

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

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

Name of substance	CAS No	Remarks	Statutory code	Final RQ pounds (Kg)
n-hexane	110-54-3		3	5000 (2270)

Legend

3 "3" indicates that the source is section 112 of the Clean Air Act

Clean Air Act

none of the ingredients are listed

Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Petroleum gases, liquefied, sweetened	68476-86-8		EC Annex VI CMRs - Cat. 1A EC Annex VI CMRs - Cat. 1B
n-hexane	110-54-3	propellant	ATSDR Neurotoxicants CA TACs IRIS Neurotoxicants OEHHA RELs Prop 65
Decamethyltetrasiloxane	141-62-8	emulsifier	
methylcyclopentane	96-37-7		CDC 4th National Exposure Report
Mineral Oil	8042-47-5	solvents	



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

Name of substance	CAS No	Functionality	Authoritative Lists
cyclohexane	110-82-7	nonfunctional contaminant	CDC 4th National Exposure Report
heptane	142-82-5	propellant	CDC 4th National Exposure Report
Sorbitan monolaurate, ethoxylated	9005-64-5	preservative	
VM&P Naptha	64742-89-8		EC Annex VI CMRs - Cat. 1B
Aqueous solution of acrylic polymers	Proprietary	surfactant	

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
n-hexane	110-54-3				1.0 %

- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
methylcyclopentane		N	
Petroleum gases, liquefied, sweetened		N	
3-methylpentane		A	
2-methylpentane		N	
2,2-dimethylbutane		N	
2,3-dimethylbutane		N	
n-hexane	110-54-3	A, N, O	
n-hexane		N	

Legend

- A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH
- N National Institute for Occupational Safety and Health (NIOSH), "Recommendations for Occupational Safety and Health Standards," August 1988, available from NIOSH, Publications Dissemination Office, Division of Standards Development and Technology Transfer
- O Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
methylcyclopentane	96-37-7		F3
3-methylpentane			F3
2-methylpentane	107-83-5		F3
2,2-dimethylbutane	75-83-2		F3
2,3-dimethylbutane	79-29-8		F3
n-hexane	110-54-3		F3

Legend

F3 Flammable - Third Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
CYCLOPENTANE, METHYL-	96-37-7	
PENTANE, 3-METHYL-	96-14-0	
PENTANE, 2-METHYL-	107-83-5	
BUTANE, 2,2-DIMETHYL-	75-83-2	
BUTANE, 2,3-DIMETHYL-	79-29-8	
HEXANE	110-54-3	

- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
methylcyclopentane	96-37-7	F
n-hexane	110-54-3	T, F

Legend

F Flammability (NFPA®)
T Toxicity (ACGIH®)

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



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
ethylbenzene	100-41-4		cancer
n-hexane	110-54-3		male
toluene	108-88-3		developmental

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	3	major injury likely unless prompt action is taken and medical treatment is given
Flammability	4	material that rapidly or completely vaporizes at atmospheric pressure and normal ambient temperature or that is readily dispersed in air and burn readily
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

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	4	material that rapidly or completely vaporizes at atmospheric pressure and normal ambient temperature or that is readily dispersed in air and burn readily
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



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

Country	Inventory	Status
AU	AIIC	all ingredients are listed
CA	DSL	all ingredients are listed
CN	IECSC	not all ingredients are listed
EU	ECSI	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	not 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	not all ingredients are listed

Legend

AIIC	Australian Inventory of Industrial Chemicals
CICR	Chemical Inventory and Control Regulation
CSCL-ENCS	List of Existing and New Chemical Substances (CSCL-ENCS)
DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
INSQ	National Inventory of Chemical Substances
ISHA-ENCS	Inventory of Existing and New Chemical Substances (ISHA-ENCS)
KECI	Korea Existing Chemicals Inventory
NCI	National Chemical Inventory
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

15.2 Chemical Safety Assessment

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



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

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-relevant
2.2		- Precautionary statements: 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 $\geq 0.1\%$.	yes
2.3		Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.	yes
3.2		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.	yes
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes
8.1		Biological limit values: change in the listing (table)	yes
12.5	Results of PBT and vPvB assessment: Data are not available.	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 $\geq 0.1\%$.	yes
12.6	Endocrine disrupting properties: None of the ingredients are listed.	Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.	yes
15.1		Cleaning Product Right to Know Act Substance List (CA-RTK): change in the listing (table)	yes
15.1		National inventories: change in the listing (table)	yes



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
29 CFR 1910.1000	29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)
49 CFR US DOT	49 CFR U.S. Department of Transportation
ACGIH®	American Conference of Governmental Industrial Hygienists
ACGIH® 2023	From ACGIH®, 2023 TLVs® and BEIs® Book. Copyright 2023. Reprinted with permission. Information on the proper use of the TLVs® and BEIs®: http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement
Acute Tox.	Acute toxicity
Asp. Tox.	Aspiration hazard
ATE	Acute Toxicity Estimate
Cal/OSHA PEL	California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)
Carc.	Carcinogenicity
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DEP CODE	Department of Environmental Protection Code
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
HHS	Higher hazard substance
IATA	International Air Transport Association



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

Abbr.	Descriptions of used abbreviations
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LHS	Lower hazard substance
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality
Muta.	Germ cell mutagenicity
NFPA®	National Fire Protection Association (United States)
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)
NLP	No-Longer Polymer
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible exposure limit
ppm	Parts per million
Press. Gas	Gas under pressure
Press. Gas C	Compressed gas
Press. Gas D	Dissolved gas
Press. Gas L	Liquefied gas
Press. Gas R	Refrigerated liquefied gas
Repr.	Reproductive toxicity
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
STEL	Short-term exposure limit
STOT RE	Specific target organ toxicity - repeated exposure



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Eagle One Interior Detailer - Aerosol (Effective 5/6/2020)

Version number: 4.1
Replaces version of: 2022-07-11 (3)

Revision: 2023-09-11

Abbr.	Descriptions of used abbreviations
STOT SE	Specific target organ toxicity - single exposure
TLV®	Threshold Limit Values
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

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).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapor.
H280	Contains gas under pressure; may explode if heated.
H300	Fatal if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.

Disclaimer

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