

acc. to 29 CFR 1910.1200 App D

Refresh Your Car Vent Stick Very Cherry

Version number: GHS 5.0 Revision: 2020-10-21 Replaces version of: 2020-09-15 (GHS 4)

SECTION 1: Identification

1.1 Product identifier

Trade name Refresh Your Car Vent Stick Very Cherry

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

Relevant identified uses Consumer use: Air Freshener

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)

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 1-314-985-1511 Int'l: 1-800-526-4727

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
A.7	reproductive toxicity	2	Repr. 2	H361f

For full text of abbreviations: see SECTION 16.

2.2 Label elements

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

- Signal word warning

- Pictograms

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GHS08



- Hazard statements

H361f Suspected of damaging fertility.

- 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.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313 If exposed or concerned: Get medical advice/attention.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regula-

tions.

2.2.1.7 - Hazardous ingredients for labelling

Lilial

2.3 Other hazards

Hazards not otherwise classified

Contains Lilial, Dimethylcyclohex-3-ene-1-carbaldehyde, Benzyl salicylate. May produce an allergic reaction. Harmful to aquatic life with long lasting effects (GHS category 3: aquatic toxicity - acute and/or chronic).

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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
benzaldehyde	CAS No 100-52-7	1-<5	Acute Tox. 4 / H302 Acute Tox. 4 / H332 Flam. Liq. 4 / H227	(1)
Dimethylcyclohex-3-ene-1- carbaldehyde	CAS No 27939-60-2	<1	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317 Flam. Liq. 4 / H227	<u>(1)</u>
Phenethyl acetate	CAS No 103-45-7	<1	Acute Tox. 2 / H330 Eye Dam. 1 / H318	

For full text of abbreviations: see SECTION 16.

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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

Wash with plenty of soap and water.

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, Foam, ABC-powder

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

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.

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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.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains, Take up mechanically

Advice on how to clean up a spill

Take up mechanically.

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. Ground/bond container and receiving equipment.

- Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

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

Managing of associated risks

- Explosive atmospheres

Removal of dust deposits.

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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)

Coun try	Name of agent	CAS No	Iden- tifier	TWA [ppm]	TWA [mg/ m³]	STEL [ppm]	STEL [mg/ m³]	Ceil- ing-C [ppm]	Ceil- ing-C [mg/ m³]	Nota tion	Sourc e
US	polyvinyl chloride	9002-86- 2	TLV®		1					r	AC- GIH® 2019

Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur

respirable fraction

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

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
benzaldehyde	100-52-7	DNEL	9.8 mg/m³	human, inhalatory	worker (industry)	chronic - system- ic effects
benzaldehyde	100-52-7	DNEL	9.8 mg/m³	human, inhalatory	worker (industry)	chronic - local ef- fects
benzaldehyde	100-52-7	DNEL	1.14 mg/kg bw/day	human, dermal	worker (industry)	chronic - system- ic effects
Dimethylcyclohex-3- ene-1-carbaldehyde	27939-60-2	DNEL	7.3 mg/m ³	human, inhalatory	worker (industry)	chronic - system- ic effects
Dimethylcyclohex-3- ene-1-carbaldehyde	27939-60-2	DNEL	2.1 mg/kg bw/day	human, dermal	worker (industry)	chronic - system- ic effects
Dimethylcyclohex-3- ene-1-carbaldehyde	27939-60-2	DNEL	1,163 µg/ cm²	human, dermal	worker (industry)	chronic - local ef- fects
Phenethyl acetate	103-45-7	DNEL	6.5 mg/m ³	human, inhalatory	worker (industry)	chronic - system- ic effects
Phenethyl acetate	103-45-7	DNEL	2.27 mg/kg bw/day	human, dermal	worker (industry)	chronic - system- ic effects

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Relevant PNECs of components of the mixture

Name of substance	CAS No	End- point	Threshold level	Organism	Environmental compartment	Exposure time
benzaldehyde	100-52-7	PNEC	0.011 ^{mg} / _l	aquatic organisms	water	intermittent re- lease
benzaldehyde	100-52-7	PNEC	0 ^{mg} / _l	aquatic organisms	freshwater	short-term (single instance)
benzaldehyde	100-52-7	PNEC	0 ^{mg} / _l	aquatic organisms	marine water	short-term (single instance)
benzaldehyde	100-52-7	PNEC	7.59 ^{mg} / _l	aquatic organisms	sewage treat- ment plant (STP)	short-term (single instance)
benzaldehyde	100-52-7	PNEC	0.004 ^{mg} / _{kg}	aquatic organisms	freshwater sedi- ment	short-term (single instance)
benzaldehyde	100-52-7	PNEC	0 ^{mg} / _{kg}	aquatic organisms	marine sediment	short-term (single instance)
benzaldehyde	100-52-7	PNEC	0.001 ^{mg} / _{kg}	terrestrial organ- isms	soil	short-term (single instance)
Dimethylcyclohex-3- ene-1-carbaldehyde	27939-60-2	PNEC	0.008 ^{mg} / _l	aquatic organisms	freshwater	short-term (single instance)
Dimethylcyclohex-3- ene-1-carbaldehyde	27939-60-2	PNEC	0.001 ^{mg} / _l	aquatic organisms	marine water	short-term (single instance)
Dimethylcyclohex-3- ene-1-carbaldehyde	27939-60-2	PNEC	13.8 ^{mg} / _l	aquatic organisms	sewage treat- ment plant (STP)	short-term (single instance)
Dimethylcyclohex-3- ene-1-carbaldehyde	27939-60-2	PNEC	0.152 ^{mg} / _{kg}	aquatic organisms	freshwater sedi- ment	short-term (single instance)
Dimethylcyclohex-3- ene-1-carbaldehyde	27939-60-2	PNEC	0.015 ^{mg} / _{kg}	aquatic organisms	marine sediment	short-term (single instance)
Dimethylcyclohex-3- ene-1-carbaldehyde	27939-60-2	PNEC	0.023 ^{mg} / _{kg}	terrestrial organ- isms	soil	short-term (single instance)
Phenethyl acetate	103-45-7	PNEC	0.105 ^{mg} / _l	aquatic organisms	water	intermittent re- lease
Phenethyl acetate	103-45-7	PNEC	0.011 ^{mg} / _l	aquatic organisms	freshwater	short-term (single instance)
Phenethyl acetate	103-45-7	PNEC	0.001 ^{mg} / _l	aquatic organisms	marine water	short-term (single instance)
Phenethyl acetate	103-45-7	PNEC	10 ^{mg} / _l	aquatic organisms	sewage treat- ment plant (STP)	short-term (single instance)
Phenethyl acetate	103-45-7	PNEC	0.128 ^{mg} / _{kg}	aquatic organisms	freshwater sedi- ment	short-term (single instance)

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Name of substance	CAS No	End- point	Threshold level	Organism	Environmental compartment	Exposure time
Phenethyl acetate	103-45-7	PNEC	0.013 ^{mg} / _{kg}	aquatic organisms	marine sediment	short-term (single instance)
Phenethyl acetate	103-45-7	PNEC	0.019 ^{mg} / _{kg}	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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	solid
Color	Conforms to Standard
Odor	Conforms to standard

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Other safety parameters

pH (value)	not applicable
Melting point/freezing point	not determined
Initial boiling point and boiling range	179 °C
Flash point	93.33 °C
Evaporation rate	not determined
Flammability (solid, gas)	this material is combustible, but will not ignite readily
Explosion limits of dust clouds	not determined
Vapor pressure	169 Pa at 25 °C
Density	not determined
Vapor density	this information is not available
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
Auto-ignition temperature	not determined
Viscosity	not relevant (solid matter)
Explosive properties	none
Oxidizing properties	none

9.2 Other information there is no additional information

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SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

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.

Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

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).

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 of the mixture

Name of substance	CAS No	Exposure route	ATE
benzaldehyde	100-52-7	oral	1,430 ^{mg} / _{kg}
benzaldehyde	100-52-7	inhalation: vapor	11 ^{mg} / _l /4h
Phenethyl acetate	103-45-7	inhalation: vapor	0.766 ^{mg} / _l /4h

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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

Contains Lilial, Dimethylcyclohex-3-ene-1-carbaldehyde, Benzyl salicylate. May produce an allergic reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Suspected of damaging fertility.

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

Harmful 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
benzaldehyde	100-52-7	LC50	12.4 ^{mg} / _l	fish	96 h
benzaldehyde	100-52-7	EC50	19.7 ^{mg} / _l	aquatic invertebrates	48 h
benzaldehyde	100-52-7	ErC50	33.1 ^{mg} / _l	algae	72 h
Dimethylcyclohex-3- ene-1-carbaldehyde	27939-60-2	LC50	15 ^{mg} / _l	fish	96 h
Dimethylcyclohex-3- ene-1-carbaldehyde	27939-60-2	EC50	7.74 ^{mg} / _l	aquatic invertebrates	48 h
Dimethylcyclohex-3- ene-1-carbaldehyde	27939-60-2	ErC50	22.8 ^{mg} / _l	algae	72 h

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Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Phenethyl acetate	103-45-7	LC50	10.5 ^{mg} / _l	fish	96 h
Phenethyl acetate	103-45-7	EC50	36.6 ^{mg} / _l	aquatic invertebrates	48 h
Phenethyl acetate	103-45-7	ErC50	40 ^{mg} / _l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
benzaldehyde	100-52-7	EC50	50 ^{mg} / _l	aquatic invertebrates	24 h
Phenethyl acetate	103-45-7	EC50	>1,000 ^{mg} / _l	microorganisms	3 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

Data are not available.

12.6 Other adverse effects

Endocrine disrupting potential

The mixture contains substance(s) with an endocrine disrupting potential.

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

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

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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	not assigned
14.2	UN proper shipping name	not assigned
14.3	Transport hazard class(es)	not assigned
14.4	Packing group	not assigned
14.5	Environmental hazards	non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

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)

Not subject to transport regulations.

International Maritime Dangerous Goods Code (IMDG)

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR)

Not subject to ICAO-IATA.

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 ingredients are listed

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

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

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	Name acc. to inventory	CAS No	Functional- ity	Authoritative Lists
Polyvinyl Chloride		9002-86-2	stabilizer	
2-t-Butylcyclohexyl Acetate		88-41-5	fragrance	
Benzaldehyde		100-52-7	fragrance	
Acetoxydihydrodicyclo- pentadiene		54830-99-8	fragrance	
Dimethylcyclohex-3-ene-1-car- baldehyde		27939-60-2	fragrance	
1,3,4,6,7,8-hexahydro- 4,6,6,7,8,8- hexamethylindeno[5,6-c]pyran		1222-05-5	fragrance	
Benzyl salicylate	Benzyl salicylate	118-58-1	fragrance	EU Fragrance Allergens
Hexyl Acetate		142-92-7	fragrance	
Phenethyl acetate		103-45-7	fragrance	
Isopentyl acetate		123-92-2	fragrance	
Lilial	2-(4-tert-Butylbenzyl) propional- dehyde	80-54-6	fragrance	EU Fragrance Allergens
A,α-dimethylphenethyl butyrate		10094-34-5	fragrance	
ВНТ		128-37-0	preservative	

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	Name acc. to inventory	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Thres hold	De Minimis Concentra- tion Threshold
isopentyl acetate	iso-Amyl acetate	123-92-2				1.0 %

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- Hazardous Substances List (MN-ERTK)

Name of substance	Name acc. to inventory	CAS No	References	Remarks
benzaldehyde	Benzaldehyde	100-52-7	I	

Legend

American Industrial Hygiene Association (AIHA), "Workplace Environmental Exposure Level Guides" (1992), available from AIHA

- Hazardous Substance List (NJ-RTK)

Name of substance	Name acc. to inventory	CAS No	Remarks	Classifications
ВНТ	2,6-di-tert-butyl-p-cresol (phen- ol, 2,6-bis(1,1-dimethylethyl)-4- methyl-)	128-37-0		
Polyvinyl Chloride	PVC (polyvinyl chloride)	9002-86-2		
benzaldehyde	benzaldehyde	100-52-7		F2
isopentyl acetate	isoamyl acetate	123-92-2		F3

Legend

F2 Flammable - Second Degree F3 Flammable - Third Degree

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

Name of substance	Name acc. to inventory	CAS No	Classification
benzaldehyde	BENZALDEHYDE	100-52-7	
isopentyl acetate	1-BUTANOL, 3-METHYL-, ACET- ATE	123-92-2	Е

Legend

E Environmental hazard

- Hazardous Substance List (RI-RTK)

Name of substance	Name acc. to inventory	CAS No	References
ВНТ	2,6-Ditert. butyl-p-cresol	128-37-0	Т
benzaldehyde	Benzaldehyde	100-52-7	F
isopentyl acetate	Isoamyl acetate	123-92-2	Т

Legend

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

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

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	*	chronic (long-term) health effects may result from repeated overexposure
Health	0	no significant risk to health
Flammability	2	material that must be moderately heated or exposed to relatively high ambient tem- peratures before ignition can occur
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	2	material that must be moderately heated or exposed to relatively high ambient tem- peratures before ignition can occur
Health	0	material that, under emergency conditions, would offer no hazard beyond that of or- dinary combustible material
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

National inventories

Country	Inventory	Status
AU	AICS	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

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Country	Inventory	Status
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	not 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

Legend

AICS Australian Inventory of Chemical Substances CICR Chemical Inventory and Control Regulation

CSCL-ENCS List of Existing and New Chemical Substances (CSCL-ENCS)

DSL

ECSI

Domestic Substances List (DSL)
EC Substance Inventory (EINECS, ELINCS, NLP)
Inventory of Existing Chemical Substances Produced or Imported in China **IECSC**

INSQ National Inventory of Chemical Substances

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

KECI Korea Existing Chemicals Inventory NZIoC

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

REACH Reg. REACH registered substances

Taiwan Chemical Substance Inventory TCSI

TSCA Toxic Substance Control Act

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
3.2		Description of the mixture: change in the listing (table)	yes
4.1	Following skin contact: Brush off loose particles from skin. Rinse skin with water/shower.	Following skin contact: Wash with plenty of soap and water.	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety- relev- ant
5.2	Special hazards arising from the substance or mixture: Deposited combustible dust has considerable ex- plosion potential.	Special hazards arising from the substance or mixture	yes
7.1	- Measures to prevent fire as well as aerosol and dust generation: Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas. Ground/bond container and receiving equipment.	- Measures to prevent fire as well as aerosol and dust generation: Use local and general ventilation. Use only in well-ventilated areas. Ground/bond container and receiving equipment.	yes
7.2	- Ventilation requirements: Use local and general ventilation.		yes
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes
8.1		Relevant DNELs of components of the mixture: change in the listing (table)	yes
8.1		Relevant PNECs of components of the mixture: change in the listing (table)	yes
8.2	Respiratory protection: Particulate filter device (EN 143).	Respiratory protection: In case of inadequate ventilation wear respirat- ory protection.	yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.1		Aquatic toxicity (acute) of components of the mix- ture: change in the listing (table)	yes
12.1		Aquatic toxicity (chronic) of components of the mixture: change in the listing (table)	yes
14.1	UN number: not subject to transport regulations	UN number: not assigned	yes

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
49 CFR US DOT	49 CFR U.S. Department of Transportation
ACGIH®	American Conference of Governmental Industrial Hygienists

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Abbr.	Descriptions of used abbreviations
ACGIH® 2019	From ACGIH®, 2019 TLVs® and BEIs® Book. Copyright 2019. 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
ATE	Acute Toxicity Estimate
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
ELINCS	European List of Notified Chemical Substances
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
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
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	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
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NFPA®	National Fire Protection Association (United States)

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Descriptions of used abbreviations Abbr.

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
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitization
STEL	Short-term exposure limit
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 chapter 2 and 3)

Code	Text
H227	Combustible liquid.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

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Code	Text
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H361f	Suspected of damaging fertility.

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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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