

acc. to 29 CFR 1910.1200 App D



Version number: 2.0 Revision: 2018-09-10 Replaces version of: 2016-02-09 (1)

SECTION 1: Identification

1.1 Product identifier

Trade name Refresh Delightful Daydream - Very Cherry

Alternative number(s) 09177

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

Relevant identified uses Consumer Use (Car Air Freshener)

1.3 Details of the supplier of the safety data sheet

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

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

e-Mail: Energizer@custhelp.com Http://data.energizer.com

1.4 Emergency telephone number

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

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

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

Reproductive toxicity. Repr. 2. H361f.

For full text of abbreviations: see SECTION 16.

Additional information

Adverse health effects are not reasonably expected from normal use of product. This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

2.2 Label elements

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

- Signal word Warning



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- Pictograms



- Hazard statements

H361f Suspected of damaging fertility.

- Precautionary statements

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

P103 Read label before use.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P281 Wear personal protective equipment/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.

- Hazardous ingredients for labelling 2-(4-tert-butylbenzyl)propionaldehyde

2.3 Other hazards

Hazards not otherwise classified

Contains 2-(4-tert-butylbenzyl)propionaldehyde, 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



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Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
benzaldehyde	CAS No 100-52-7	1-<5	Acute Tox. 4 / H302 Acute Tox. 3 / H331 Flam. Liq. 4 / H227
dimethylcyclohex-3-ene-1-carbal- dehyde	CAS No 27939-60-2	<1	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317
benzyl salicylate	CAS No 118-58-1	<1	Eye Irrit. 2 / H319 Skin Sens. 1B / H317
2-(4-tert-butylbenzyl)propionalde- hyde	CAS No 80-54-6	<1	Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Skin Sens. 1B / H317 Repr. 2 / H361f Flam. Liq. 4 / H227

For full text of abbreviations: see SECTION 16.

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

Brush off loose particles from skin. Rinse skin with water/shower.

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. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed



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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

Deposited combustible dust has considerable explosion potential.

Hazardous combustion products

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate 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.

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill

Covering of drains, Take up mechanically



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Advices 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. Take precautionary measures against static discharge. 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.

Control of the effects

Protect against external exposure, such as

Heat, High temperatures

- Ventilation requirements

Use local and general ventilation.



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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)

Country	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]
US		PEL	1,766	15		
US		PEL	529.5	5		
US	9002-86-2	TLV®		1		

Notation

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

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

Particulate filter device (EN 143).



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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

Physical state solid

Color Conforms to Standard
Odor Conforms to standard

pH (value) not applicable not determined

Melting point/freezing point not determined
Initial boiling point and boiling range not determined

Flash point 93.33 °C

Evaporation rate not determined

Flammability (solid, gas) this material is combustible, but will not ignite

readily, not determined

Explosion limits of dust clouds not determined

Vapor pressure not determined

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 not determined
Auto-ignition temperature not determined

Viscosity not relevant (solid matter)

Explosive properties none Oxidizing properties none

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.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.



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Serious eye damage/eye irritation

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

Respiratory or skin sensitization

Contains 2-(4-tert-butylbenzyl)propionaldehyde, 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
benzyl salicylate	118-58-1	LC50	1.03 ^{mg} / _l	fish	96 h
benzyl salicylate	118-58-1	EC50	1.16 ^{mg} / _l	aquatic invertebrates	48 h
benzyl salicylate	118-58-1	ErC50	1.29 ^{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
2-(4-tert- butylbenzyl)propional- dehyde	80-54-6	LC50	2.04 ^{mg} / _l	fish	96 h
2-(4-tert- butylbenzyl)propional- dehyde	80-54-6	EC50	2.51 ^{mg} / _l	aquatic invertebrates	48 h
2-(4-tert- butylbenzyl)propional- dehyde	80-54-6	ErC50	29.16 ^{mg} / _l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture Name of substance **CAS No Endpoint** Value **Species** 50 ^{mg}/₁ benzaldehyde 100-52-7 EC50 aquatic invertebrates 1.21 ^{mg}/_l benzyl salicylate 118-58-1 EC50 aquatic invertebrates benzyl salicylate 118-58-1 LC50 4.34 mg/_I aquatic invertebrates

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.



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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

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 not subject to transport regulations

14.2 UN proper shipping name not relevant

14.3 Transport hazard class(es) none

14.4 Packing group not relevant

14.5 Environmental hazards non-environmentally hazardous acc. to the danger-

ous 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

Not subject to transport regulations.

- Reportable quantity (RQ) 2,358,491 lbs (1,070,755 kg) (isopentyl acetate)

International Maritime Dangerous Goods Code (IMDG)

Not subject to IMDG.



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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)

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

Clean Air Act

none of the ingredients are listed

New Jersey Worker and Community Right to Know Act

Right to Know Hazardous Substance List					
Name acc. to inventory CAS No Remarks Classifications					
benzaldehyde 100-52-7 F2					

Legend

F2 Flammable - Second Degree

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.



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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	not all ingredients are listed
CA	DSL	not all ingredients are listed
CN	IECSC	not 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	not all ingredients are listed



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Country	Inventory	Status
MX	INSQ	not all ingredients are listed
NZ	NZIoC	not all ingredients are listed
PH	PICCS	not all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	not all ingredients are listed
US	TSCA	not all ingredients are listed

Legend

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

CSCL-ENCS

DSL ECSI

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

IECSC INSQ 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
REACH registered substances **PICCS**

REACH Reg.

Taiwan Chemical Substance Inventory TCSI

TSCA **Toxic Substance Control Act**

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
1.3	Details of the supplier of the safety data sheet: Handstands, an Energizer Holdings, Inc. company 102 West 12200 South 84020 Draper United States Telephone: 1-800-228-8987 Hours: 8AM-5PM MST e-Mail: Info@handstands.com	Details of the supplier of the safety data sheet: Energizer Manufacturing, Inc. 25225 Detroit Rd. 44145 Westlake United States Telephone: 800-383-7323; 314-985-2000 (USA / CANADA) e-Mail: Energizer@custhelp.com	yes



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Section	Former entry (text/value)	Actual entry (text/value)	Safety- relev- ant
		Http://data.energizer.com	
1.4	Emergency telephone number	Emergency telephone number: 1-314-985-1511 Int'l: 1-800-526-4727	yes
1.4	Emergency information service: (800) 255-3924 USA, Canada, Puerto Rico, and US Virgin Islands, +1 (813) 248-0585 International		yes
2.1	Classification of the substance or mixture: For full text of abbreviations: see SECTION 16.	Classification of the substance or mixture	yes
2.1		Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)	yes
2.1		Classification acc. to OSHA "Hazard Communica- tion Standard" (29 CFR 1910.1200): change in the listing (table)	yes
2.2	- Signal word: not required	- Signal word: Warning	yes
2.2	- Pictograms: not required	- Pictograms	yes
2.2		- Pictograms: change in the listing (table)	yes
2.2		- Hazard statements: change in the listing (table)	yes
2.2		- Precautionary statements: change in the listing (table)	yes
2.2		- Hazardous ingredients for labelling: 2-(4-tert-butylbenzyl)propionaldehyde	yes
2.3	Other hazards: There is no additional information.	Other hazards	yes
2.3		Hazards not otherwise classified: change in the listing (table)	yes
3.2	Mixtures: Not relevant. For full text of abbreviations: see SECTION 16.	Mixtures	yes
3.2		Description of the mixture	yes



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3.2		Description of the mixture: change in the listing (table)	yes
5.2	Hazardous combustion products: Nitrogen oxides (NOx)	Hazardous combustion products: Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)	yes
6.4	Reference to other sections: Hazardous combustion products: see section 5. Personal precautions: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.	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.	yes
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes
9.1	Oxidizing properties: none	Oxidizing properties: nonethere is no additional information	yes
10.2	Chemical stability: The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.	Chemical stability: See below "Conditions to avoid".	yes
11.1	Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200): This mixture does not meet the criteria for classification.	Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)	yes
11.1	Respiratory or skin sensitization: Shall not be classified as a respiratory or skin sensitizer.	Respiratory or skin sensitization: Contains 2-(4-tert-butylbenzyl)propionaldehyde, dimethylcyclohex-3-ene-1-carbaldehyde, benzyl salicylate. May produce an allergic reaction.	yes
11.1	Reproductive toxicity: Shall not be classified as a reproductive toxicant.	Reproductive toxicity: Suspected of damaging fertility.	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
12.6	Other adverse effects: Data are not available.	Other adverse effects	yes



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12.6		Endocrine disrupting potential: The mixture contains substance(s) with an endo- crine disrupting potential.	yes
13.1	Relevant provisions relating to waste		yes
13.1	List of wastes: Not assigned		yes
14.3	Transport hazard class(es)	Transport hazard class(es): none	yes
14.3	Class: not regulated		yes
14.5	Environmental hazards: not relevant	Environmental hazards: non-environmentally hazardous acc. to the dan- gerous goods regulations	yes
14.7	Information for each of the UN Model Regulations: Not regulated when carried in single or combination packaging containing a net quantity of 5L or less or 5 kg or less per the following: DOT: 171.4(2) ADR: SP 375 IMDG: 2.10.2.7 IATA: special provision A197	Information for each of the UN Model Regula- tions	yes
14.7		Reportable quantity (RQ): 2,358,491 lbs (1,070,755 kg) (isopentyl acetate)	yes
14.7	IMDG: Not subject to IMDG. Not regulated.	International Maritime Dangerous Goods Code (IMDG): Not subject to IMDG.	yes
14.7	IATA: Not subject to ICAO-IATA. not regulated.	International Civil Aviation Organization (ICAO- IATA/DGR): Not subject to ICAO-IATA.	yes
15.1		National regulations (United States)	yes
15.1		Superfund Amendment and Reauthorization Act (SARA TITLE III)	yes
15.1		The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304): none of the ingredients are listed	yes



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Section	Former entry (text/value)	Actual entry (text/value)	Safety- relev- ant	
15.1		Specific Toxic Chemical Listings (EPCRA Section 313): none of the ingredients are listed	yes	
15.1		Clean Air Act: none of the ingredients are listed	yes	
15.1		New Jersey Worker and Community Right to Know Act	yes	
15.1		Right to Know Hazardous Substance List: change in the listing (table)	yes	
15.1		California Environmental Protection Agency (Cal/ EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987: none of the ingredients are listed	yes	
15.1		NPCA-HMIS® III: change in the listing (table)	yes	
15.1		NFPA® 704: change in the listing (table)	yes	
15.1		National inventories	yes	
15.1		National inventories: change in the listing (table)	yes	
16		List of relevant phrases (code and full text as stated in chapter 2 and 3)	yes	
16		List of relevant phrases (code and full text as stated in chapter 2 and 3): change in the listing (table)	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).



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

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.
H319.	Causes serious eye irritation.
H331.	Toxic if inhaled.
H361f.	Suspected of damaging fertility.

Disclaimer

This SDS has been compiled and is solely intended for this product. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.