

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

COAST FOOD SERVICE SANITIZER (Cartridge)

Version number: GHS 2.0
Replaces version of: 2020-09-21 (GHS 1)

Revision: 2020-11-10

SECTION 1: Identification

1.1 Product identifier

Trade name **COAST FOOD SERVICE SANITIZER (Cartridge)**
Authorization number F3803-003 EPA Reg. No. 47371-147-50371
Alternative number(s) CPI-3803#03-46, F3803-003, NSN# 6840-01-624-1820

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

Relevant identified uses Concentrated hard surface disinfectant/sanitizer
Uses advised against Do not use in any fashion not specified on the product label.

1.3 Details of the supplier of the safety data sheet

Coast Products, Inc.
975 Queen Street
Honolulu HI 96814
United States

Telephone: 808-593-8709
e-mail: <http://coast-products.com/>

1.4 Emergency telephone number

Emergency information service 800-535-5053
This number is only available during the following office hours: Mon-Fri 09:00 AM - 05:00 PM
National Poison Center 800-222-1222

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.2	skin corrosion/irritation	1A	Skin Corr. 1A	H314
A.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis.

2.2 Label elements

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

- Signal word danger

- Pictograms

GHS05



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

COAST FOOD SERVICE SANITIZER (Cartridge)

Version number: GHS 2.0
Replaces version of: 2020-09-21 (GHS 1)

Revision: 2020-11-10

- Hazard statements

H314 Causes severe skin burns and eye damage.

- Precautionary statements

P260 Do not breathe dusts or mists.
P280 Wear eye protection/face protection.
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a poison center/doctor.
P321 Specific treatment (see on this label).
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling Didecyldimethylammonium chloride

2.3 Other hazards

Hazards not otherwise classified

Very toxic to aquatic life (GHS category 1: aquatic toxicity - acute).

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
Didecyldimethylammonium chloride	CAS No 7173-51-5	1 - < 5	Acute Tox. 4 / H302 Acute Tox. 4 / H312 Skin Corr. 1B / H314	
Quaternary ammonium compounds, benzyl-C-12-16-alkyldimethyl, chlorides	CAS No 68424-85-1	1 - < 5	Acute Tox. 4 / H302 Acute Tox. 2 / H330	
Ethanol	CAS No 64-17-5	1 - < 5	Carc. 1A / H350 Flam. Liq. 2 / H225	

For full text of abbreviations: see SECTION 16.

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

COAST FOOD SERVICE SANITIZER (Cartridge)

Version number: GHS 2.0
Replaces version of: 2020-09-21 (GHS 1)

Revision: 2020-11-10

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. This pesticide is a cationic germicide. Do not mix with soap or anionic materials. Do not use or store near heat or flame. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment. . You may contact the National Poison Center 800-222-1222 for emergency medical treatment information.

NOTE TO PHYSICIAN Probable mucosal damage may contraindicate the use of gastric lavage.

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

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

Following eye contact

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Following ingestion

Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NO_x), 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.

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

COAST FOOD SERVICE SANITIZER (Cartridge)

Version number: GHS 2.0
Replaces version of: 2020-09-21 (GHS 1)

Revision: 2020-11-10

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

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

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

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and rubber gloves. Wash thoroughly with soap and water after handling. Harmful if swallowed. Remove, contaminated clothing and wash clothing before reuse.

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

Control of the effects

Protect against external exposure, such as

Frost

7.3 Specific end use(s)

See section 16 for a general overview.

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

COAST FOOD SERVICE SANITIZER (Cartridge)

Version number: GHS 2.0
Replaces version of: 2020-09-21 (GHS 1)

Revision: 2020-11-10

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	ethanol	64-17-5	TLV®			1,000					ACGIH® 2019
US	ethyl alcohol	64-17-5	REL	1,000 (10 h)	1,900 (10 h)						NIOSH REL
US	ethyl alcohol (ethanol)	64-17-5	PEL (CA)	1,000	1,900						Cal/OSHA PEL
US	ethyl alcohol (ethanol)	64-17-5	PEL	1,000	1,900						29 CFR 1910.1000

Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur
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	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Quaternary ammonium compounds, benzyl-C-12-16-alkyldimethyl, chlorides	68424-85-1	DNEL	3.96 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Quaternary ammonium compounds, benzyl-C-12-16-alkyldimethyl, chlorides	68424-85-1	DNEL	5.7 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant PNECs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
Didecyltrimethylammonium chloride	7173-51-5	PNEC	1.1 µg/l	aquatic organisms	freshwater	short-term (single instance)
Didecyltrimethylammonium chloride	7173-51-5	PNEC	0.11 µg/l	aquatic organisms	marine water	short-term (single instance)
Didecyltrimethylammonium chloride	7173-51-5	PNEC	0.14 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Didecyltrimethylammonium chloride	7173-51-5	PNEC	61.86 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Didecyltrimethylammonium chloride	7173-51-5	PNEC	6.186 mg/kg	aquatic organisms	marine sediment	short-term (single instance)

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

COAST FOOD SERVICE SANITIZER (Cartridge)

Version number: GHS 2.0
Replaces version of: 2020-09-21 (GHS 1)

Revision: 2020-11-10

Relevant PNECs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
Didecyltrimethylammonium chloride	7173-51-5	PNEC	1.4 mg/kg	terrestrial organisms	soil	short-term (single instance)
Quaternary ammonium compounds, benzyl-C-12-16-alkyldimethyl, chlorides	68424-85-1	PNEC	0.001 mg/l	aquatic organisms	freshwater	short-term (single instance)
Quaternary ammonium compounds, benzyl-C-12-16-alkyldimethyl, chlorides	68424-85-1	PNEC	0.001 mg/l	aquatic organisms	marine water	short-term (single instance)
Quaternary ammonium compounds, benzyl-C-12-16-alkyldimethyl, chlorides	68424-85-1	PNEC	0.4 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Quaternary ammonium compounds, benzyl-C-12-16-alkyldimethyl, chlorides	68424-85-1	PNEC	12.27 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Quaternary ammonium compounds, benzyl-C-12-16-alkyldimethyl, chlorides	68424-85-1	PNEC	13.09 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Quaternary ammonium compounds, benzyl-C-12-16-alkyldimethyl, chlorides	68424-85-1	PNEC	7 mg/kg	terrestrial organisms	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 suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these 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.

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

COAST FOOD SERVICE SANITIZER (Cartridge)

Version number: GHS 2.0
Replaces version of: 2020-09-21 (GHS 1)

Revision: 2020-11-10

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	None
Odor	None

Other safety parameters

pH (value)	6 – 8
Melting point/freezing point	not determined
Initial boiling point and boiling range	64.7 °C at 1,013 hPa
Flash point	9.7 °C at 1,013 hPa
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	169.3 hPa 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	350 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

9.2 Other information

Temperature class (USA, acc. to NEC 500)	T2 (maximum permissible surface temperature on the equipment: 300°C)
--	--

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

COAST FOOD SERVICE SANITIZER (Cartridge)

Version number: GHS 2.0
Replaces version of: 2020-09-21 (GHS 1)

Revision: 2020-11-10

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.

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
Didecyldimethylammonium chloride	7173-51-5	oral	329 mg/kg
Didecyldimethylammonium chloride	7173-51-5	dermal	1,000 mg/kg
Quaternary ammonium compounds, benzyl-C-12-16-alkyldimethyl, chlorides	68424-85-1	oral	795 mg/kg
Quaternary ammonium compounds, benzyl-C-12-16-alkyldimethyl, chlorides	68424-85-1	inhalation: dust/mist	0.22 mg/l/4h

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

COAST FOOD SERVICE SANITIZER (Cartridge)

Version number: GHS 2.0
Replaces version of: 2020-09-21 (GHS 1)

Revision: 2020-11-10

Carcinogenicity

Shall not be classified as carcinogenic.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans			
Name of substance	CAS No	Classification	Number
Ethanol	64-17-5	1	

Legend

1 Carcinogenic to humans

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

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

Specific target organ toxicity - repeated exposure

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

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

Very toxic to aquatic life.

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Didecyldimethylammonium chloride	7173-51-5	LC50	0.97 mg/l	fish	96 h
Didecyldimethylammonium chloride	7173-51-5	EC50	0.057 mg/l	aquatic invertebrates	48 h
Didecyldimethylammonium chloride	7173-51-5	ErC50	0.062 mg/l	algae	72 h
Quaternary ammonium compounds, benzyl-C-12-16-alkyldimethyl, chlorides	68424-85-1	LC50	0.515 mg/l	fish	96 h
Quaternary ammonium compounds, benzyl-C-12-16-alkyldimethyl, chlorides	68424-85-1	EC50	0.016 mg/l	aquatic invertebrates	48 h
Quaternary ammonium compounds, benzyl-C-12-16-alkyldimethyl, chlorides	68424-85-1	ErC50	0.03 mg/l	algae	96 h
Ethanol	64-17-5	LC50	15,400 mg/l	fish	96 h
Ethanol	64-17-5	EC50	12,700 mg/l	fish	96 h
Ethanol	64-17-5	ErC50	22,000 mg/l	algae	96 h

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

COAST FOOD SERVICE SANITIZER (Cartridge)

Version number: GHS 2.0
Replaces version of: 2020-09-21 (GHS 1)

Revision: 2020-11-10

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

None of the ingredients are listed.

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 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 | hazardous to the aquatic environment |
| 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

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

Not subject to transport regulations.

International Maritime Dangerous Goods Code (IMDG)

not assigned

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

COAST FOOD SERVICE SANITIZER (Cartridge)

Version number: GHS 2.0
Replaces version of: 2020-09-21 (GHS 1)

Revision: 2020-11-10

International Civil Aviation Organization (ICAO-IATA/DGR)

not assigned

SECTION 15: Regulatory information

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

National regulations (United States)

FIFRA Labeling

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

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

- Specific Toxic Chemical Listings (EPCRA Section 313)

none of the ingredients are listed

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

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

none of the ingredients are listed

Clean Air Act

none of the ingredients are listed

Right to Know Hazardous Substance List

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

Name of substance	CAS No	Functionality	Authoritative Lists
Ethanol	64-17-5	solvents	

- Toxic or Hazardous Substance List (MA-TURA)

none of the ingredients are listed

- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
Ethanol	64-17-5	A, O	

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
- 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

COAST FOOD SERVICE SANITIZER (Cartridge)

Version number: GHS 2.0
Replaces version of: 2020-09-21 (GHS 1)

Revision: 2020-11-10

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Ethanol	64-17-5		CA MU TE F3

Legend

CA Carcinogenic
F3 Flammable - Third Degree
MU Mutagenic
TE Teratogenic

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

Name acc. to inventory	CAS No	Classification
ETHANOL	64-17-5	

- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Ethanol	64-17-5	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

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
ethanol (ethyl alcohol)	64-17-5	in alcoholic beverages	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	3	material that can be ignited under almost all ambient temperature conditions
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).

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

COAST FOOD SERVICE SANITIZER (Cartridge)

Version number: GHS 2.0
Replaces version of: 2020-09-21 (GHS 1)

Revision: 2020-11-10

Category	Degree of hazard	Description
Flammability	3	material that can be ignited under almost all ambient temperature conditions
Health	3	material that, under emergency conditions, can cause serious or permanent injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

National inventories

Country	Inventory	Status
EU	REACH Reg.	all ingredients are listed
US	TSCA	all ingredients are listed

Legend

REACH Reg. REACH registered substances
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-relevant
1.1	Trade name: COAST FOOD SERVICE SANITIZER	Trade name: COAST FOOD SERVICE SANITIZER (Cartridge)	yes

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® 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
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
DGR	Dangerous Goods Regulations (see IATA/DGR)

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

COAST FOOD SERVICE SANITIZER (Cartridge)

Version number: GHS 2.0
Replaces version of: 2020-09-21 (GHS 1)

Revision: 2020-11-10

Abbr.	Descriptions of used abbreviations
DNEL	Derived No-Effect Level
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
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
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
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
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NFPA®	National Fire Protection Association (United States)
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)
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
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
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).

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

COAST FOOD SERVICE SANITIZER (Cartridge)

Version number: GHS 2.0
Replaces version of: 2020-09-21 (GHS 1)

Revision: 2020-11-10

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

Code	Text
H225	Highly flammable liquid and vapor.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H350	May cause cancer.

Disclaimer

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