



Report No.: MND240129QD_US(En)2/2
Nomination No.: TJHL2401000836SD-01

Safety Data Sheet (SDS)

Product Name: DR.EASY Pet Wipes for Dogs and Cats(220715-3)
Report Version: Prepared according to American OSHA HCS-2012 (29 CFR 1910.1200)

Application Company Name: DR.EASY BIO-TECH (HEFEI) CO., LTD.
Application Company Address: Xiangyi Road, Xiaomiao Industrial Zone, Shushan district, Hefei, Anhui,
China
Contact Information: --
24 Hour Emergency Call: 8613705692258

Inspection Date: 2024/02/02

SGS-CSTC Standards Technical Services(Qingdao) Co.,Ltd

Authorised Signatory
2024-02-07



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SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China
中国·山东·青岛市崂山区株洲路143号通标中心

t (86-0532) 68999367 www.sgsgroup.com.cn
t (86-0532) 68999367 sgs.china@sgs.com

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Safety Data Sheet

DR. EASY Pet Wipes for Dogs and Cats
(220715-3)

Version: V2.0.0.1
Report No.: MND240129QD_US(En)2/2
Nomination No.: TJHL2401000836SD-01
Creation Date: 2024/02/02
Revision Date: 2024/02/02

*Prepared according to American OSHA HCS-2012 (29 CFR 1910.1200)

1 Identification

Product identifier

Product Name	DR.EASY Pet Wipes for Dogs and Cats(220715-3)
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable

Recommended use of the product and restrictions on use

Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.

Details of the supplier of the Safety Data Sheet

Name of the company	DR.EASY BIO-TECH (HEFEI) CO., LTD.
Address of the company	Xiangyi Road, Xiaomiao Industrial Zone, Shushan district, Hefei, Anhui, China
Post code	—
Telephone number	—
Fax number	055162257627
E-mail address	doctoreasy@qq.com

Emergency phone number

Emergency phone number	8613705692258
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2 Hazard(s) identification

Hazard classification according to 29 CFR 1910.1200

According to OSHA HCS-2012, not classified as a hazardous chemical.

Label elements

Hazard pictograms	Not applicable
Signal word	Not applicable

Hazard statements

Hazard statements	Not applicable
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Precautionary statements

- ◆ Prevention

Prevention	Not applicable
◆ Response	
Response	Not applicable
◆ Storage	
Storage	Not applicable
◆ Disposal	
Disposal	Not applicable

Other hazards

	Not applicable.
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Hazard description

◆ Physical and chemical hazards

	No information available
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◆ Health hazards

Inhaled	Inhalation of the product may produce adverse health effects or irritation of the respiratory tract following discomfort.
Ingestion	Accidental ingestion of the product may be harmful to the health of the individual.
Skin Contact	Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects.
Eye	This product may cause temporary discomfort following direct contact with the eye.

◆ Environmental hazards

	Please refer to 12th chapter of SDS.
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3 Composition/information on ingredients

Substance/mixture

	Mixture
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Component	CAS No.	EC No.	Concentration (wt, %)
Phenoxyethanol	122-99-6	204-589-7	0.30
Ethylhexylglycerin	70445-33-9	615-116-2	0.05
Benzalkonium chloride	8001-54-5	616-786-9	0.05
Caprylhydroxamic Acid	7377-03-9	230-936-7	0.02
4'-hydroxyacetophenone	99-93-4	202-802-8	0.15
Caprylyl Glycol	1117-86-8	214-254-7	0.02
Decyl Glucoside	68515-73-1	500-220-1	0.05
Lavander Oil	8000-28-0	616-770-1	0.01
Persea americana Extract	84695-98-7	-	0.01
Tocopherol Acetate	7695-91-2	231-710-0	0.01
Cucumis Sativus Extract	89998-01-6	289-738-4	0.01
Chamomilla Recutita Flower Extract	84082-60-0	282-006-5	0.01

Punica Granatum Extract	84961-57-9	284-646-0	0.01
Aloe Barbadensis Leaf Extract	85507-69-3	287-390-8	0.05
Butylene Glycol	107-88-0	203-529-7	0.05
Propylene Glycol substance with a Community workplace exposure limit	57-55-6	200-338-0	0.15
Sodium Citrate	68-04-2	200-675-3	0.01
Citric acid	77-92-9	201-069-1	0.01
Water	7732-18-5	231-791-2	99.03

4 First-aid measures

Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water and consult a physician if feel uncomfortable.
Skin contact	No harm in general situation. First aid is not needed.
Ingestion	Rinse mouth. Rest.
Inhalation	No harm in general situation. First aid is not needed.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

Most important symptoms/effects, acute and delayed

1	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.
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Indication of any immediate medical attention and special treatment needed

1	Treat symptomatically.
2	Symptoms may be delayed.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Use extinguishing media suitable for surrounding area.
Unsuitable extinguishing media	There is no restriction on the type of extinguisher which may be used.

Specific hazards arising from the substance or mixture

1	Development of hazardous combustion gases or vapor possible in the event of fire.
2	May expansion or decompose explosively when heated or involved in fire.

Special protective equipment and precautions for fire-fighters

1	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

1	Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
2	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
3	Use personal protective equipment, do not breathe dust/fume.

Environmental precautions

1	Prevent further leakage or spillage if safe to do so.
2	Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

1	Cut off the source of the leak as much as possible.
2	Keep leaks in a ventilated place.
3	Isolation of contaminated areas and restrictions on access.
4	It is recommended that emergency personnel wear dust masks.
5	Collect the spill with a clean shovel and place it in a clean, dry, loosely closed container and move the container away from the leak.
6	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

7 Handling and storage

Precautions for safe handling

1	Handling is performed in a well ventilated place.
2	Wear suitable protective equipment.
3	Avoid contact with eyes.
4	Keep away from heat/sparks/open flames/ hot surfaces.

Conditions for safe storage, including any incompatibilities

1	Keep containers tightly closed.
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/hot surfaces.
4	Store away from incompatible materials and foodstuff containers.

8 Exposure controls/personal protection

Control parameters

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Phenoxyethanol	Switzerland	20	110	40	220
	Poland	-	230	-	-
	Germany (DFG)	20	110	40	220
	Germany (AGS)	20	110	40	220
	Canada - Ontario	25	141	-	-

	Austria	20	110	20	110
Propylene Glycol substance with a Community workplace exposure limit	United Kingdom	-	10	-	-
	New Zealand	150	474	-	-
	Latvia	-	7	-	-
	Ireland	-	10	-	-
	Canada - Ontario	-	10	-	-
	Australia	-	10	-	-

Engineering controls

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Use explosion-proof electrical/ventilating/lighting/equipment.
4	Set up emergency exit and necessary risk-elimination area.

Personal protection equipment

General requirement	No special requirements, please see the description below.
Eye protection	In general situation, eye protection is not needed. In the production process, when contacting with vapour or dust, tightly fitting safety goggles.
Hand protection	In general situation, hand protection is not needed.
Respiratory protection	In general situation, respiratory protection is not needed. If exposure limits are exceeded or if irritation or other symptoms are experienced, wear dust proof mask or gas defence mask.
Skin and body protection	In general situation, skin and body protection are not needed.

9 Physical and chemical properties and safety characteristics

Physical and chemical properties

Appearance (physical state, color, etc.)	White Flake
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/freezing point(°C)	No information available
Initial boiling point and boiling range(°C)	No information available
Flash point(Closed cup, °C)	Not applicable
Evaporation rate	Not applicable
Flammability	No information available
Upper/lower explosive limits[% (v/v)]	Upper limit: No information available; Lower limit: No information available
Vapor pressure	Not applicable
Vapor density(Air = 1)	Not applicable
Relative density(Water=1)	No information available
Solubility	No information available

n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Kinematic viscosity	Not applicable

10 Stability and reactivity

Stability and reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	The substance contains a certain amount of water, and may release hydrogen gas in contact with active metals.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Metal alkoxides, furfuryl alcohol, acetaldehyde, nitric acid, nitrate, nitrite, oxyacid salt halogen and inorganic peroxide. Alkali, sodium, calcium, and other active metal, halogen, metal oxide, nonmetal oxide, acyl halide and metal phosphide.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

Acute toxicity

Component	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
4'-hydroxyacetophenone	1500mg/kg(Mouse)	No information available	No information available
Lavander Oil	4250mg/kg(Rat)	> 5000mg/kg(Rabbit)	No information available
Phenoxyethanol	1260mg/kg(Rat)	5510mg/kg(Rabbit)	No information available
Butylene Glycol	18610mg/kg(Rat)	> 20000mg/kg(Rabbit)	No information available
CaprylhydroxaMic Acid	10700mg/kg(Rat)	No information available	No information available
Propylene Glycol substance with a Community workplace exposure limit	20000mg/kg(Rat)	20800mg/kg(Rabbit)	No information available
Citric acid	3000mg/kg(Rat)	No information available	No information available
Benzalkonium chloride	240mg/kg(Rat)	No information available	No information available

Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP	OSHA Carcinogen List
Phenoxyethanol	Not Listed	Not Listed	Not Listed
Ethylhexylglycerin	Not Listed	Not Listed	Not Listed
Benzalkonium chloride	Not Listed	Not Listed	Not Listed
CaprylhydroxaMic Acid	Not Listed	Not Listed	Not Listed
4'-hydroxyacetophenone	Not Listed	Not Listed	Not Listed

Caprylyl Glycol	Not Listed	Not Listed	Not Listed
Decyl Glucoside	Not Listed	Not Listed	Not Listed
Lavander Oil	Not Listed	Not Listed	Not Listed
Persea americana Extract	Not Listed	Not Listed	Not Listed
Tocopherol Acetate	Not Listed	Not Listed	Not Listed
Cucumis Sativus Extract	Not Listed	Not Listed	Not Listed
Chamomilla Recutita Flower Extract	Not Listed	Not Listed	Not Listed
Punica Granatum Extract	Not Listed	Not Listed	Not Listed
Aloe Barbadensis Leaf Extract	Not Listed	Not Listed	Not Listed
Butylene Glycol	Not Listed	Not Listed	Not Listed
Propylene Glycol substance with a Community workplace exposure limit	Not Listed	Not Listed	Not Listed
Sodium Citrate	Not Listed	Not Listed	Not Listed
Citric acid	Not Listed	Not Listed	Not Listed
Water	Not Listed	Not Listed	Not Listed

Others

DR.EASY Pet Wipes for Dogs and Cats(220715-3)	
Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Reproductive toxicity(additional)	Based on available data, the classification criteria are not met

12 Ecological information

Acute aquatic toxicity

Component	Fish	Crustaceans	Algae
Caprylyl Glycol	LC ₅₀ : 2.2~22mg/L (96h)(Fish)	EC ₅₀ : 176mg/L (48h)(Crustaceans)	ErC ₅₀ : 35mg/L (72h)(Algae)
Ethylhexylglycerin	LC ₅₀ : 60.2mg/L (96h)(Fish)	EC ₅₀ : 78.3mg/L (48h)(Crustaceans)	ErC ₅₀ : 84.3mg/L (72h)(Algae)
Sodium Citrate	LC ₅₀ : 590mg/L (96h)(Fish)	No information available	No information available
Phenoxyethanol	LC ₅₀ : 344mg/L (96h)(Fish)	No information available	No information available

Butylene Glycol	LC ₅₀ : > 100mg/L (96h)(Fish)	EC ₅₀ : > 1000mg/L (48h)(Crustaceans)	ErC ₅₀ : > 1 070mg/L (72h)(Algae)
Caprylhydroxamic Acid	No information available	EC ₅₀ : 49.89mg/L (48h)(Crustaceans)	No information available
Propylene Glycol substance with a Community workplace exposure limit	LC ₅₀ : > 100mg/L (96h)(Fish)	EC ₅₀ : >1000mg/L (48h)(Crustaceans)	ErC ₅₀ : >1000mg/L (72h)(Algae)
Citric acid	LC ₅₀ : 440mg/L (96h)(Fish)	No information available	No information available
Decyl Glucoside	LC ₅₀ : 100.81mg/L (96h)(Fish)	No information available	No information available

Chronic aquatic toxicity

Component	Fish	Crustaceans	Algae
Ethylhexylglycerin	NOEC: 7.2mg/L(Fish)	No information available	No information available
Propylene Glycol substance with a Community workplace exposure limit	NOEC: >100mg/L(Fish)	NOEC: 1000mg/L(Crustaceans)	NOEC: 1000mg/L(Algae)

Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Phenoxyethanol	Low	Low
Benzalkonium chloride	Low(Half-life = 14 days)	Low(Half-life = 3 days)
4'-hydroxyacetophenone	Low	Low
Caprylyl Glycol	Low	Low
Lavander Oil	High	High
Chamomilla Recutita Flower Extract	High	High
Butylene Glycol	Low	Low
Propylene Glycol substance with a Community workplace exposure limit	Low	Low
Citric acid	Low	Low

Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Phenoxyethanol	Low	Log Kow=1.2
Benzalkonium chloride	Low	Log Kow=0.05
4'-hydroxyacetophenone	Low	Log Kow=1.35
Caprylyl Glycol	Low	Log Kow=1.6735
Lavander Oil	Medium	Log Kow=3.93

Chamomilla Recutita Flower Extract	High	Log Kow=5.6285
Butylene Glycol	Low	Log Kow=-0.2909
Propylene Glycol substance with a Community workplace exposure limit	Low	BCF=1
Citric acid	Low	Log Kow=-1.7

| Mobility in soil

Component	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (Koc)
Phenoxyethanol	Low	12.12
Benzalkonium chloride	High	1.06
4'-hydroxyacetophenone	Low	74.82
Caprylyl Glycol	Low	10
Lavander Oil	Low	517.9
Chamomilla Recutita Flower Extract	Low	1115
Butylene Glycol	High	1
Propylene Glycol substance with a Community workplace exposure limit	High	1
Citric acid	Low	10

| Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
Phenoxyethanol	Not PBT/vPvB
Ethylhexylglycerin	Not PBT/vPvB
Benzalkonium chloride	Insufficient information, temporarily unable to evaluate
Caprylhydroxamic Acid	Insufficient information, temporarily unable to evaluate
4'-hydroxyacetophenone	Not PBT/vPvB
Caprylyl Glycol	Not PBT/vPvB
Decyl Glucoside	Not PBT/vPvB
Lavander Oil	Insufficient information, temporarily unable to evaluate
Persea americana Extract	Insufficient information, temporarily unable to evaluate
Tocopherol Acetate	Not PBT/vPvB
Cucumis Sativus Extract	Insufficient information, temporarily unable to evaluate
Chamomilla Recutita Flower Extract	Insufficient information, temporarily unable to evaluate
Punica Granatum Extract	Insufficient information, temporarily unable to evaluate
Aloe Barbadensis Leaf Extract	Insufficient information, temporarily unable to evaluate

Butylene Glycol	Not PBT/vPvB
Propylene Glycol substance with a Community workplace exposure limit	Not PBT/vPvB
Sodium Citrate	Not PBT/vPvB
Citric acid	Not PBT/vPvB
Water	Insufficient information, temporarily unable to evaluate

13 Disposal considerations

Disposal considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section waste chemicals and contaminated packaging.

14 Transport information

Label and Mark

Transporting Label	Not applicable
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US DOT (49CFR)

49CFR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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IATA-DGR

IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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UN-ADR

UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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15 Regulatory information

International chemical inventory

Component	EC inventory	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AIIC	ENCS
Phenoxyethanol	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ethylhexylglycerin	✓	✗	✓	✓	✓	✓	✓	✓	✓
Benzalkonium chloride	✗	✗	✓	✓	✓	✓	✓	✓	✓
CaprylhydroxaMic Acid	✓	✓	✗	✗	✗	✗	✗	✓	✓
4'-hydroxyacetophenone	✓	✓	✗	✓	✓	✓	✓	✓	✓
Caprylyl Glycol	✓	✓	✓	✓	✓	✓	✓	✓	✓

Decyl Glucoside	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lavander Oil	✗	✓	✓	✓	✓	✓	✓	✓	✗
Persea americana Extract	✗	✗	✗	✗	✗	✗	✗	✗	✗
Tocopherol Acetate	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cucumis Sativus Extract	✓	✗	✓	✓	✓	✓	✗	✓	✗
Chamomilla Recutita Flower Extract	✓	✗	✗	✓	✓	✗	✗	✗	✗
Punica Granatum Extract	✓	✗	✗	✓	✓	✓	✗	✓	✗
Aloe Barbadensis Leaf Extract	✓	✗	✓	✓	✓	✓	✗	✓	✗
Butylene Glycol	✓	✓	✓	✓	✓	✓	✓	✓	✓
Propylene Glycol substance with a Community workplace exposure limit	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sodium Citrate	✓	✓	✓	✓	✓	✓	✓	✓	✓
Citric acid	✓	✓	✓	✓	✓	✓	✓	✓	✓
Water	✓	✓	✓	✓	✓	✓	✓	✓	✓

- [EC inventory]European Inventory of Existing Commercial Chemical Substances
- [TSCA]United States Toxic Substances Control Act Inventory
- [DSL]Canadian Domestic Substances List
- [IECSC]China Inventory of Existing Chemical Substances
- [NZIoC]New Zealand Inventory of Chemicals
- [PICCS]Philippines Inventory of Chemicals and Chemical Substances
- [KECI]Korea Existing Chemicals Inventory
- [AIIC]Australian. Inventory of Industrial Chemical (AIIC)
- [ENCS]Japan Inventory of Existing & New Chemical Substances

US chemical inventory

Component	A	B	C	D	E	F	G	H
Phenoxyethanol	✗	✗	✗	✗	✗	✗	✗	✗
Ethylhexylglycerin	✗	✗	✗	✗	✗	✗	✗	✗
Benzalkonium chloride	✗	✗	✗	✗	✗	✗	✗	✗
CaprylhydroxaMic Acid	✗	✗	✗	✗	✗	✗	✗	✗
4'-hydroxyacetophenone	✗	✗	✗	✗	✗	✗	✗	✗
Caprylyl Glycol	✗	✗	✗	✗	✗	✗	✗	✗
Decyl Glucoside	✗	✗	✗	✗	✗	✗	✗	✗
Lavander Oil	✗	✗	✗	✗	✗	✗	✗	✗
Persea americana Extract	✗	✗	✗	✗	✗	✗	✗	✗
Tocopherol Acetate	✗	✗	✗	✗	✗	✗	✗	✗
Cucumis Sativus Extract	✗	✗	✗	✗	✗	✗	✗	✗
Chamomilla Recutita Flower Extract	✗	✗	✗	✗	✗	✗	✗	✗
Punica Granatum Extract	✗	✗	✗	✗	✗	✗	✗	✗

Aloe Barbadensis Leaf Extract	×	×	×	×	×	×	×	×
Butylene Glycol	×	×	×	×	×	×	×	×
Propylene Glycol substance with a Community workplace exposure limit	×	×	×	×	✓	✓	×	×
Sodium Citrate	×	×	×	×	×	×	×	×
Citric acid	×	×	×	×	×	×	×	×
Water	×	×	×	×	×	×	×	×

- [A] US Clean Air Act (CAA)- Section 112, Hazardous Air Pollutants
[B] US SARA 302- Extremely Hazardous Substance List
[C] US CERCLA- Hazardous Substances List
[D] US Massachusetts Right-to-Know Substance List
[E] US New Jersey Right to Know Hazardous Substance List
[F] US Pennsylvania Right to Know Hazardous Substance List
[G] US New York City Right-to-Know Hazardous Substance List
[H] US California Proposition 65 List

Note:

“✓” Indicates that the substance included in the regulations.
“×” No data or not included in the regulations.

16 Other information

Information on revision

Creation Date	2024/02/02
Revision Date	2024/02/02
Reason for revision	-

Reference

- [1] IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.
[2] IARC, website: <http://www.iarc.fr/>.
[3] OECD: The Global Portal to Information on Chemical Substances, website: <https://www.echemportal.org/echemportal/>.
[4] CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.
[5] NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.
[6] EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.
[7] U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.
[8] Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG-CODE	International Maritime Dangerous Goods CODE
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC ₅₀	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD ₅₀	Lethal Dose 50%	NTP	National Toxicology Program
EC ₅₀	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC _x	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
P _{OW}	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment

ED

Endocrine disruptor

HCS

Hazard Communication Standard

Disclaimer

This Safety Data Sheet (SDS) was prepared according to OSHA HCS-2012. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.