

Safety Data Sheet

OSHA 29 CFR 1910.1200


Issue date: 19/02/2020

EFSH20020151-CG-01

1 Identification



- **Product identifier**
- **Trade name:** PETS DRY SHAMPOO
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance/ mixture:** Shampoo for pets..
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
CHANGXING JIARUI CLEANING PRODUCTS CO.,LTD
QINGCAOWU INDUSTIRAL PARK,LIJIAXIANG TWON,CHANGXING COUNTRY,HUZHOU CITY
Tel: 18858075910
Email: jennyzen200321@vip.163.com
- **Other US contact point:** Not information available.
- **Further information obtainable from:** CHANGXING JIARUI CLEANING PRODUCTS CO.,LTD
- **Emergency telephone number**
US Poison Center
Tel: + 1 800 222 1222

2 Hazard(s) identification

- **Classification of the substance or mixture:**
Flammable aerosols Category 1 Extremely flammable aerosol
Gases under pressure Liquefied gas Contains gas under pressure; may explode if heated
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200) and extended by company and literature data.
- **Label elements**
- **Labeling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms:**

- **Signal word:** Danger
- **Hazard-determining components of labelling:** Not applicable
- **Hazard statements:**
Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
- **Precautionary statement:**
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Protect from sunlight. Do not expose to temperatures exceeding 50 ° C/122 °F.
Protect from sunlight. Store in a well-ventilated place.
- **Hazards not otherwise classified (HNOC):** No further relevant information available.

3 Composition/information on ingredients

- **Chemical characterization:** Mixture
- **Description:**
Mixture of the substances listed below with nonhazardous additions; For the wording of the listed risk phrases refer to section 16.

· Components:		
CAS No.	Composition Name	%, w/w
106-97-8	Butane  Flammable gases, Category 1;  Gases under pressure	41.28

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74-98-6	Propane ⚠️ Flammable gases, Category 1; ⚠️ Gases under pressure	27.52
64-17-5	Alcohol ⚠️ Flammable liquid, Category 2	20.3
9087-61-0	Aluminum starch octenylsuccinate	6
67-63-0	Isopropyl alcohol ⚠️ Flammable liquid, Category 2; ⚠️ Serious eye damage/eye irritation, Category 2A; Specific target organ toxicity, single exposure; Narcotic effects, Category 3	1
7631-86-9	Silica substance with a Community workplace exposure limit	1
63148-62-9	Polydimethylsiloxanes	1
None	Fragrance	0.9
110-27-0	Isopropyl myristate	0.5
102-71-6	Triethanolamine ⚠️ Serious eye damage/eye irritation, Category 2A	0.5

4 First aid measures

- Description of first aid measures

After inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If feel unwell, get medical aid immediately.

After skin contact: Rinse skin with water/shower. If irritation persists, call a physician.

After eye contact: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

After swallowing: Rinse mouth. If feel unwell, get medical aid immediately.

- Information for doctor

- **Most important symptoms and effects, both acute and delayed:** No known symptoms or effects.

- **Indication of any immediate medical attention and special treatment needed:** Treat according to symptom, there is not known specific medicine.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish. Do not use water with full jet.

- **Special hazards arising from the substance or mixture:** May explode if heated.

- **Special protective equipment and precaution for firefighters**

Protective equipment: Wear fully protective suit and mouth respiratory protective device.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures:

Cut off leakage source and collect spillage timely if safe do it; Ensure adequate ventilation; Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area); Wear personal protective equipment; Avoid breathing aerosols.

- Environmental precautions:

Do not allow the product to enter sewers/surface or ground water.

Inform respective authorities in case of seepage into water course or sewages system.

- Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust); Ensure good ventilation; Dispose contaminated material as waster according to item 13.

7 Handling and storage

- Handling

- Precautions for safe handling:

Read label before use; Smoking, eating and drinking should be prohibited; Use only in well ventilated areas; Do not

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spray on an open flame or other ignition source; Do not pierce or burn, even after use; Avoid all sources of ignition; Avoid breathing aerosols; Use respiratory protective device against the effects of aerosols.

- **Information about fire and explosion protection:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking; Do not pierce or burn, even after use.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- **Information about storage in one common storage facility:** Keep away from flammable substance.
- **Further information about storage conditions:** Store in a well-ventilated place.

8 Exposure controls/personal protection

· **Components with limit values that require monitoring at the workplace:**

CAS No.	Composition Name	Limit value
106-97-8	Butane	NIOSH REL: 800 ppm (1900 mg/m ³) Up to 10-hour TWA; ACGIH TLV: 1000 ppm 8-hour TWA; Cal/OSHA PEL: 800 ppm (1900 mg/m ³) 8-hour TWA
74-98-6	Propane	OSHA PEL: 1000 ppm (1800 mg/m ³) 8-hour TWA; NIOSH REL: 1000 ppm (1800 mg/m ³) Up to 10-hour TWA; Cal/OSHA PEL: 1000 ppm (1800 mg/m ³) 8-hour TWA
64-17-5	Alcohol	OSHA PEL: 1000 ppm (1900 mg/m ³) 8-hour TWA; NIOSH REL: 1000 ppm (1900 mg/m ³) Up to 10-hour TWA; ACGIH TLV: 1000 ppm STEL; Cal/OSHA PEL: 1000 ppm (1900 mg/m ³) 8-hour TWA
67-63-0	Isopropyl alcohol	OSHA PEL: 400 ppm (980 mg/m ³) 8-hour TWA; NIOSH REL: 400 ppm (980 mg/m ³) Up to 10-hour TWA; 500 ppm (1225 mg/m ³) STEL; ACGIH TLV: 200 ppm 8-hour TWA; 400 ppm STEL; Cal/OSHA PEL: 400 ppm (980 mg/m ³) 8-hour TWA; 500 ppm (1225 mg/m ³) STEL
7631-86-9	Silica	OSHA PEL: 20 mppcf or (80 mg/m ³)/(%SiO ₂) 8-hour TWA; NIOSH REL: 6 mg/m ³ Up to 10-hour TWA; Cal/OSHA PEL: 6 mg/m ³ (total dust), 3 mg/m ³ (respirable dust), 6 mg/m ³ (precipitated and gel) 8-hour TWA
102-71-6	Triethanolamine	ACGIH TLV: 5 mg/m ³ 8-hour TWA; Cal/OSHA PEL: 5 mg/m ³ 8-hour TWA

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure:**

· **Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice; Wash hands after handling; Do not eat, drink or smoke when using this product; See section 7 for information about design of technical facilities.

· **Personal protective equipment:**

· **Breathing equipment:** Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

· **Protection of hands:**



Protective gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11 mm; breakthrough times up to 480 minutes).

· **Eye protection:**



Protective goggles with side-shields.

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9 Physical and chemical properties

· Information on basic physical and chemical properties

· Appearance:

Form	Aerosol
Color	White
Odor	Weak odor
Odor threshold	Not determined.
· pH-value	6.1-6.2 (50g/L water solution) at 25 °C
· Change in condition	
Melting point/melting range	Not determined.
Boiling point and boiling range	Not determined.
· Freezing point	Not determined.
· Flash point	Not applicable
· Flammability (solid, gas)	Flammable gas.
· Decomposition temperature	Not determined.
· Self-ignition	Product is not self-ignition.
· Danger of explosion	May burst if heated.
· Explosion limits	
Lower:	Not determined.
Upper:	Not determined.
· Oxidizing properties	Not determined.
· Vapor pressure	Not determined.
· Density	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in/Miscibility with	
Water	Soluble in water.
· Partition coefficient (n-octanol/water)	Not determined.
· Viscosity	
Dynamic	Not determined.
Kinematic	Not determined.
· Other information	Not determined.

10 Stability and reactivity

- **Reactivity:** No decomposition if used according to specification.
- **Chemical stability:** Stable under recommended storage conditions.
- **Possibility of hazardous reactions:** No known hazardous reaction.
- **Conditions to avoid:** High temperature.
- **Incompatible materials:** Strong acid, strong oxidizing agent and flammable substance.
- **Hazardous decomposition products:** No known hazardous decomposition products.

11 Toxicological information

- **Acute toxicity:** Not acute toxic mixture.
- **LD/LC50 values that are relevant for classification:** No animal tested has been done for this product.

106-97-8 Butane

Rat	LC50-inhalation	658000mg/m ³ /4H
Mouse	LC50-inhalation	680000mg/m ³ /2H

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64-17-5 Alcohol		
Rat	LD50-oral	7060 mg/kg
	LC50-inhalation	20000ppm/10H
Rabbit	LD50-oral	6300 mg/kg
Mouse	LD50-oral	3450 mg/kg
	LC50-inhalation	39000ppm/4H
67-63-0 Isopropyl alcohol		
Mouse	LD50-oral	3600mg/kg
Rabbit	LD50-oral	6410mg/kg
	LD50-skin	12800mg/kg
Rat	LD50-oral	5045mg/kg
	LC50-inhalation	16000ppm/8H
63148-62-9 Polydimethylsiloxanes		
Guinea pig	LD50-oral	>10000mg/kg
Rabbit	LD50-skin	>2000mg/kg
Rat	LD50-oral	>24000mg/kg
110-27-0 Isopropyl myristate		
Guinea pig	LD50-oral	>25ml/kg
Mouse	LD50-oral	49700 mg/kg
Rat	LC50-oral	>41000mg/m3/1H
Rabbit	LD50-skin	5000mg/kg
102-71-6 Triethanolamine		
Guinea pig	LD50-oral	2200mg/kg
Rat	LD50-oral	4.92mL/kg
	LD50-skin	>16mL/kg
Mouse	LD50-oral	5846mg/kg
Rabbit	LD50-oral	2200mg/kg
	LD50-skin	>20ml/kg
Remark: All the above data are from literature.		

- **Primary irritant effect**
- **Skin corrosion/irritation:** Not irritant to skin normally.
- **Serious eyes damage/ irritation:** Not irritant to eyes normally.
- **Sensitization:** Not sensitive to skin or respiratory.

Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations.

- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer):**

64-17-5	Alcohol	1
67-63-0	Isopropyl alcohol	3
7631-86-9	Silica	3

- **NTP (National Toxicology Program):** None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** Not hazardous to aquatic environment.

106-97-8 Butane	
Short-term toxicity to fish	LC50 (4 days) 24.11 - 147.54 mg/L
Short-term toxicity to aquatic invertebrates	LC50 (48 h) 14.22 - 69.43 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (4 days) 7.71 - 19.37 mg/L
74-98-6 Propane	
Short-term toxicity to fish	LC50 (4 days) 24.11 - 147.54 mg/L
Short-term toxicity to aquatic invertebrates	LC50 (48 h) 14.22 - 69.43 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (4 days) 7.71 - 19.37 mg/L

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64-17-5 Alcohol	
Short-term toxicity to fish	LC50 (4 days) 14.2 - 15.4 g/L EC50 (4 days) 12.7 - 12.9 g/L
Long-term toxicity to fish	NOEC (5 days) 250 - 1 000 mg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 10 g/L LC50 (48 h) 5.012 g/L
Long-term toxicity to aquatic invertebrates	NOEC (10 days) 2 - 9.6 mg/L LC50 (10 days) 1.806 g/L LC50 (48 h) 9.248 g/L
Toxicity to aquatic algae and cyanobacteria	EC50 (4 days) 675 - 22 000 mg/L
Toxicity to aquatic plants other than algae	EC50 (7 days) 4.432 - 5.967 g/L
67-63-0 Isopropyl alcohol	
Short-term toxicity to fish	LC50 (4 days) 9.64 - 10 g/L
Short-term toxicity to aquatic invertebrates	EC50 (24 h) 10 g/L LC50 (24 h) 10 g/L
7631-86-9 Silica	
Short-term toxicity to fish	LC50 (4 days) 1.033 - 1.289 g/L
Long-term toxicity to fish	NOEC (30 days) 57.001 - 86.03 mg/L
Short-term toxicity to aquatic invertebrates	LC50 (4 days) 2.594 g/L
Long-term toxicity to aquatic invertebrates	NOEC (30 days) 34.223 - 346.737 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (4 days) 217.576 - 217.6 mg/L NOEC (30 days) 42.1 - 42.11 mg/L
110-27-0 Isopropyl myristate	
Short-term toxicity to fish	LC50 (4 days) 1 g/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 50 - 100 000 µg/L
Long-term toxicity to aquatic invertebrates	NOEC (21 days) 100 mg/L EC50 (21 days) 100 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 100 mg/L
Toxicity to microorganisms	EC50 (18 h) 10 mg/L
102-71-6 Triethanolamine	
Short-term toxicity to fish	LC50 (4 days) 11.8 g/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 609.88 mg/L
Long-term toxicity to aquatic invertebrates	NOEC (21 days) 16 - 250 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 216 - 512 mg/L
Toxicity to microorganisms	IC50 (3 h) 1 g/L

• Persistence and degradability: Readily biodegradable.

106-97-8	Butane	Readily biodegradable in water
74-98-6	Propane	Readily biodegradable(in water)
64-17-5	Alcohol	BOD ₅ =1.067-1.236 g O ₂ /g; COD=1.99 g O ₂ /g; Readily biodegradable in water
67-63-0	Isopropyl alcohol	BOD ₅ =2.23 g O ₂ /g; Readily biodegradable in water
110-27-0	Isopropyl myristate	Readily biodegradable in water

• Bio-accumulative potential: Low bio-accumulation.

106-97-8	Butane	Log Pow = 2.89 at 20 °C and pH 7
74-98-6	Propane	Log Pow = 2.36 at 20 °C and pH 7
64-17-5	Alcohol	Log Pow = -0.77 - -0.3 at 24 - 25 °C and pH 7 - 7.4
67-63-0	Isopropyl alcohol	Log Pow= 0.05 at 25 °C
7631-86-9	Silica	Log Pow=0.53 at 25 °C and pH 7
110-27-0	Isopropyl myristate	Log Pow = 7.71
102-71-6	Triethanolamine	Log Pow = -2.476 - 1.34 at 25 °C and pH 7.1 - 9.5

• Mobility in soil: High mobility in soil.

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- **Additional ecological information**
- **Other adverse effects:** No further relevant information available.

13 Disposal consideration

- **Waste treatment methods**
- **Recommendation:** Must not be disposed together with household garbage; Disposed it must be in according to the local regulation.
- **Un-cleaned packaging**
- **Recommendation:** Dispose of contents/container in according to the local regulation.

14 Transport information

· UN-Number DOT, IATA, IMO	UN1950
· UN proper shipping name DOT, IATA IMO	Aerosols, flammable Aerosols
· Transport hazard class (es) DOT, IATA	 Flammable, gas 2.1 2 Aerosols 2.1
Class Label IMO Class Label	
· Packing group DOT, IMO, IATA	
· Environmental hazardous Marine pollution	No
· Special precautions for user	Warning: Aerosols, flammable
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
- **Section 355 (extremely hazardous substances):** None of the ingredients is listed.
- **Section 313 (Specific toxic chemical listings):**

67-63-0	Isopropyl alcohol
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· **TSCA (Toxic Substances Control Act):**

106-97-8	Butane
74-98-6	Propane
64-17-5	Alcohol
9087-61-0	Aluminum starch octenylsuccinate
67-63-0	Isopropyl alcohol
7631-86-9	Silica
63148-62-9	Polydimethylsiloxanes
110-27-0	Isopropyl myristate
102-71-6	Triethanolamine

· **Proposition 65**

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· Chemicals known to cause cancer: None of the ingredients is listed.		
· Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.		
· Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.		
· Chemicals known to cause developmental toxicity: None of the ingredients is listed.		
· Washington, WAC 173-334-130 (CHCC): None of the ingredients is listed.		
· Chemicals of Concern, published by Maine DEP on July, 2015: None of the ingredients is listed.		
· Chemicals of High Concern to Children, published by Department of Health, Vermont, Rev Date Nov 24, 2014: None of the ingredients is listed.		
· High Priority Chemicals of Concern for children's Health, Oregon, update on May 18, 2016: None of the ingredients is listed.		
· Carcinogenicity categories		
· EPA (Environmental Protection Agency): None of the ingredients is listed.		
· TLV (Threshold Limit Value established by ACGIH):		
64-17-5	Alcohol	A4
67-63-0	Isopropyl alcohol	A3
· NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.		
· OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.		

16 Other information

Relevant phrases:

Flammable gases, Category 1 Extremely flammable gas
 Gases under pressure Contains gas under pressure; may explode if heated
 Flammable liquid, Category 2 Highly flammable liquid and vapor
 Serious eye damage/eye irritation, Category 2A Causes serious eye irritation
 Specific target organ toxicity, single exposure; Narcotic effects, Category 3 May cause drowsiness or dizziness
 Specific target organ toxicity, single exposure-Respiratory tract irritation, Category 3 Respiratory tract irritation

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

· **Abbreviations and acronyms:**

DOT: Department of Transportation
IMDG: International Maritime Code for Dangerous Goods.
IATA: International Air Transport Association
LD50: Lethal dose, 50 percent
LC50: Lethal concentration, 50 percent
EC50: Concentration of maximal effect, 50 percent
NOEC: No observed effect concentration
IC50: Half maximal inhibitory concentration
PEL: Permissible Exposure Limit
TLV: Threshold limit value
REL: Recommended Exposure Limit

End of safety data sheet