DONGGUAN DOME CAR CARE INDUSTER.CO.,LTD

Safety Data Sheet

Product Name: 400ML AIR DUSTER/CRUXTEC ADS01 SDS No.SHIS23160026

Prepared according to the United Nations "GLOBALLY HARMONIZEDSYSTEM OF CLASSIFICATIONAND LABELLING OF CHEMICALS" (the 9th revised edition)

SECTION 1: Identification

Product identifier	
Product Name	400ML AIR DUSTER/CRUXTEC ADS01
Relevant identified uses of the substance or mixture and uses advised against	
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	DONGGUAN DOME CAR CARE INDUSTER.CO.,LTD
Address of the company	XINHE INDUSTRIAL ZONE,WANJIANG DISTRICT,DONGGUAN CITY,GUANGDONG,CHINA
Post code	523039
Cellphone number	+86-769-81197099
Emergency Phone number	**+86-18617260609**

SECTION 2: Hazards identification

Hazard classification according to GHS	
AEROSOLS（Category1）	
Label elements	
Symbol	
Signal word	Danger
Hazard statements	
H222	Extremely flammable aerosol
H229	Pressurized container: may burst if heated
Precautionary statements	
General precautionary statements	

P102	Keep out of reach of children.
Prevention	
P203	Obtain,read and follow all safety instructions before use.
P210	Keep away from heat,hot surfaces,sparks,open flames and other ignition sources.No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn,even after use.
Response	
/	
Storage	
P410+P412	Protect from sunlight.Do not expose to temperatures exceeding 50 ℃/122 ℉.
Disposal	
/	
Other hazards that do not cause classification	
No information available.	

SECTION 3: Composition/information on ingredients

( ) Substances		(√) Mixtures	
Component	**Cas No.**	**EC No.**	**Concentration (weight percent, %)**
Carbon dioxide	124-38-9	204-696-9	40
Water	7732-18-5	686-299-4	20
Butane	106-97-8	203-448-7	30
Ethylene glycol nonionic surfactant	-	-	10

SECTION 4: First-aid measures

Description of first aid measures	
General advice	First aid measures are usually required, please show this SDS to the doctor who arrives at the scene. Keep victim calm and warm.
Eye contact	First rinse with plenty of water thoroughly, and then seek medical attention.
Skin contact	Take off and isolate contaminated clothing and shoes. Rinse the skin with plenty of water. Seek medical attention.
Ingestion	Rinse your mouth and seek medical attention.
Inhalation	Move the patient to fresh air immediately.Give artificial respiration if victim is not

	breathing.Administer oxygen if breathing is difficult.Seek medical attention.
Protecting of first-aiders	Ensure that emergency personnel understand the hazard characteristics of the product and take self-protection measures to protect themselves and prevent the spread of pollution.

Most important symptoms and effects, both acute and delayed	
No information available.	
Indication of any immediate medical attention and special treatment needed	
1	Treat symptomatically.
2	Symptoms may be delayed.

SECTION 5: Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	Use extinguishing agent suitable for type of surrounding fire.Small Fire:Dry chemical or CO_2.Large Fire:Water spray, fog or regular foam.
Unsuitable extinguishing media	/
Specific hazards arising from the substance or mixture	
1	Containers may explode when heated.
2	Vapors may cause dizziness or asphyxiation without warning.
3	Fire may produce irritating, corrosive and/or toxic gases.
Advice for firefighters	
1	Wear positive pressure self-contained breathing apparatus (in accordance with MSHA/NIOSH or equivalent) when extinguishing fires.
2	Extinguish fire at a safe distance and with adequate protection.
3	Prevent entry into waterways, sewers, basements or confined areas.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	
1	Wear appropriate protective equipment (see safety data sheet section 8) to prevent any contamination of skin, eyes and personal clothing.
2	Do not touch spilled material.
3	Evacuate the hazard area and provide emergency personnel with information on accidental spills.
For emergency responders	
1	Keep unauthorized personnel away.

2	It is recommended that emergency personnel wear positive pressure self-contained breathing apparatus, wear protective clothing and chemically impermeable gloves..
3	Keep working position upwind, uphill and/or upstream.
4	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental precautions	
1	While ensuring safety, take measures to prevent further leakage or overflow.
2	Prevent entry into waterways, sewers, basements or confined areas.
Methods and materials for containment and cleaning up	
1	When a small amount of leakage occurs, dry sand or inert adsorption materials can be used to absorb the leakage. When a large amount of leakage occurs, dyke control is required.
2	Fixtures or collections should be stored in suitable airtight containers and disposed of in accordance with local laws and regulations.
3	Remove all ignition sources and use fire-proof tools and explosion-proof equipment.

SECTION 7: Handling and storage

Precautions for safe handling	
1	Avoid breath spray.
2	To prevent ignition of vapors caused by electrostatic discharge, ground all metal parts of the equipment.
3	Use explosion-proof equipment
4	Operate in a well-ventilated place.
5	It is recommended that operators wear appropriate personal protective equipment.
6	Avoid contact with skin and eyes.
7	Keep away from heat,hot surfaces,sparks,open flames and other ignition sources.
Conditions for safe storage, including any incompatibilities	
1	Store in a cool, ventilated warehouse.
2	The container must be clearly marked with a permanent label.
3	Keep away from fire and heat sources.
4	Prevent overheating/heating. Keep container tightly closed.
5	The storage area shall be equipped with leakage emergency treatment equipment and suitable storage materials.

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational Exposure limit values							
Component	Cas No	Standard	Limit value-Eight hours		Limit value - Short term		Note
			ppm	mg/m³	ppm	mg/m³	
Carbon dioxide	124-38-9	Germany (AGS)	5000	9100	10000	18200	-
Water	7732-18-5	-	-	-	-	-	-
Butane	106-97-8	Canada - Ontario	1000	-	-	-	-
Ethylene glycol	-	-	-	-	-	-	-

Biological limit values
No information available.

Monitoring methods	
1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (Series standard).

Appropriate engineering controls	
1	Strengthen ventilation and keep the concentration in the air below the occupational exposure limit.
2	Set up automatic alarm devices and accident ventilation facilities.
3	Ensure that eyewash stations and safety showers are close to the workstation location.
4	Use explosion-proof electrical/ventilating/lighting/equipment. The power system must meet the explosion-proof requirements of the hazardous area.
5	Set up emergency exit and necessary risk-elimination area.
6	Set up cordon, warning signs and warning instructions in Chinese, and set up a communication alarm system.

Individual protection measures, such as personal protective equipment (PPE)	
Formulate good occupational hygiene regulations, and personal protective equipment should be used in conjunction with other control measures, such as engineering controls, ventilation, and isolation. Personal protective equipment (PPE) is selected according to GB39800.1-2020.	
Eye protection	Wear safety glasses with side shields.
Skin and body protection	Wear chemical-resistant gloves.
Respiratory protection	If ventilation is insufficient, wear suitable respiratory equipment.

Other protection requirements	Appropriate selection based on work environment, type of work and risks involved. Smoking, eating and drinking are prohibited at the workplace. After work, shower and change. Practice good hygiene.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties	
Physical state	Aerosol
Colour	Transparent
Odour	No information available
Melting point/freezing point	No information available
Initial boiling point/boiling range	No information available
Flammability	Extremely Flammable
Lower and upper explosion limit/flammability limit	No information available
Flash point	Not applicable
Auto-ignition temperature	No information available
Decomposition temperature	No information available
pH	No information available
Kinematic viscosity	No information available
Solubility	No information available
Octanol/water partition coefficient (log value)	No information available
Vapor Pressure	No information available
Density/relative density (water = 1)	No information available
Relative vapour density (air=1)	No information available
Particle characteristics	Not applicable
Additional features	
No data	

SECTION 10: Stability and reactivity

Reactivity	Contact with incompatible materials can cause chemical reactions.
Chemical stability	It is stable under correct used and storage conditions.
Possibility of hazardous reactions	No information available
Conditions to avoid	No information available

Incompatible materials	No information available
Hazardous decomposition products	Under normal storage and use conditions, It should not produce dangerous decomposition products.

SECTION 11: Toxicological information

Acute toxicity		Not classified.			
The LD_{50}/LC_{50} values for each component are as follows:					
Component	Cas No	LD_{50}(oral)	LD_{50}(dermal)	LC_{50}(inhalation,4h)	Note
Carbon dioxide	124-38-9	No data	No data	No data	ECHA
Water	7732-18-5	No data	No data	No data	ECHA
Butane	106-97-8	No data	No data	658 mg/l/4h (rat)	ECHA
Ethylene glycol nonionic surfactant	-	-	-	-	-
Skin corrosion/irritation			Not classified.		
Serious eye damage/irritation			Not classified.		
Skin sensitization			Not classified.		
Respiratory sensitization			Not classified.		
Germ cell mutagenicity			Not classified.		
Carcinogenicity			Not classified.		
Reproductive toxicity			Not classified.		
Specific target organ toxicity -single exposure			Not classified.		
Specific target organ toxicity – Repeated exposure-repeated exposure			Not classified.		
Aspiration hazard			Not classified.		
Others					
No information available					

SECTION 12: Ecological information

Acute aquatic toxicity
No data（ECHA）
Chronic aquatic toxicity
No data（ECHA）
Persistence and degradability

No data（ECHA）
Bioaccumulative potential
No data（ECHA）
Mobility in soil
No data（ECHA）
Other harmful Effects
There are no obvious known effects or serious risks

SECTION 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. Before disposal should refer to the relevant national and local laws and regulation.
Disposal recommendations	Refer to relevant requirements of Waste chemicals and Contaminated packaging.

SECTION 14: Transport information

Label and Mark		
Transporting Label		
Marine pollutant Mark		None
IMDG-CODE		
UN number		UN1950
Proper shipping name(PSN)		AEROSOLS
Class or division		2.1
Subsidiary hazard(s)		-
Packing group		-
Special provisions		63 190 277 327 344 381 959
Limited quantities		See SP277
Excepted quantities		E0
Packing	Instructions	P207 LP200

	Provisions	PP87 L2
IBC	Instructions	-
	Provisions	-
Portable tanks and bulk containers	Tank Instructions	-
	Provisions	-
EmS No.		F-D, S-U
Stowage and handing		- SW1 SW22
Segregation		SG69
Properties and observations		-
Marine pollutants (yes/no)		NO
ICAO/IATA-DGR		
UN number		UN1950
proper shipping name		Aerosols, flammable
Class or division (Sub Hazard)		2.1
Hazard Label(s)		Flamm, gas
Packing group		-
Excepted quantities		E0
Passenger and Cargo Aircraft Limited Quantity Packing Instructions		Y203
Passenger and Cargo Aircraft Limited Quantity Maximum net Quantity per Package		30 kg G
Passenger and Cargo Aircraft Packing Instructions		203
Passenger and Cargo Aircraft Maximum net Quantity per Package		75 kg
Cargo Aircraft Packing Instructions		203
Cargo Aircraft Maximum net Quantity per Package		150 kg
Special provisions		A145 A167 A802
ERG code		10L
UN-ADR		
UN number		UN1950
proper shipping name		Aerosols,flammable
Class		2

Classification code		5F
Packing group		-
Labels		2.1
Special provisions		190 327 344 625
Limited quantities		1L
Excepted quantities		E0
Packaging	Packing instructions	P207 LP200
	Special packing provisions	PP87 RR6 L2
	Mixed packing provisions	MP9
Portable tanks and bulk containers	Instructions	-
	Special provisions	-
ADR tank	Tank code	-
	Special provisions	-
Vehicle for tank carriage		-
Transport category(Tunnel restriction code)		2(D)
Special provisions for carriage	Packages	V14
	Bulk	-
	Loading,unloading and handling	CV9 CV12
	Operation	S2
Hazard identification No.		-

Special precautions

Transport precautions: Handle lightly and prevent breakage of packaging and containers. Strict packing, fastening and labelling must be carried out and must comply with the applicable conditions of transport.

Transport of bulk cargo in accordance with IMO instruments

Not applicable

SECTION 15: Regulatory information

The following laws and regulations have made corresponding provisions on the safe use, storage, transportation, handling, classification and marking of chemicals:

1. "The Work Safety Law of the People's Republic of China";

2. "Law of the People's Republic of China on the Prevention and Control of Occupational Diseases";

3. "Environmental Protection Law of the People's Republic of China";

4. "Regulations on the Safety Management of Hazardous Chemicals" (Order No. 591 of the State Council);

5. "Regulations on Work Safety License" (Order No. 397 of the State Council);

6. "Measures for the Administration of Road Transport Safety of Dangerous Goods" (Order No. 29 of the Ministry of Transport 2019).

China Chemical Management Information

Chemical Name	A	B	C	D	E	F	G
Carbon dioxide	×	√	×	×	×	×	×
Water	×	×	×	×	×	×	×
Butane	×	√	×	×	×	×	×
Ethylene glycol nonionic surfactant	-	-	-	-	-	-	-

A- "Catalogue of Occupational Disease Hazard Factors", National Health and Disease Control Fa [2015] No. 92

B- "Catalogue of Hazardous Chemicals (2015 Edition)", Announcement No. 5, 2015 of the State Administration of Work Safety

C- "Catalogue of Highly Toxic Substances", Health Law Jianfa [2003] No. 142

D- "List of Hazardous Chemicals under Key Supervision (Batch 1 and 2)", Notice No. 95 of 2011 and No. 12 of 2013 of the State Administration of Work Safety

E- "Key Environmental Management Hazardous Chemicals Catalog", Ministry of Environmental Protection, 2014 No. 33

F- "List of Precursor Explosive Hazardous Chemicals (2017 Edition)", announced by the Ministry of Public Security on May 11, 2017

G-Catalogue of Special Controlled Hazardous Chemicals (First Edition)", Emergency Management Ministry Ministry of Industry and Information Technology Ministry of Public Security Ministry of Transport Announcement No. 3, 2020

Note

"√" means that the substance is included in the catalogue list

"×" means that there is no information or it is not included in the catalog (name) list

Other management information

"Montreal Protocol" (Annex A, B, C, E): Not included

Rotterdam Convention (Annex III Chemicals subject to the prior informed consent procedure): Not listed

"Stockholm Convention on Persistent Organic Pollutants" (Appendix A, B, C): not included

SECTION 16: Other information

Information on revision

Creation Date: 2023/03/03

Creation Company: DONGGUAN DOME CAR CARE INDUSTER.CO.,LTD

Reason for revision: -

Reference

[1] General rule for classification and hazard communication of chemicals (GB 13690-2009).

[2] Safety data sheet for chemical products-Content and order of sections (GB/T 16483-2008).

[3] Guidance on the compilation of safety data sheet for chemical products (GB/T 17519-2013).

[4] Regulations concerning road transportation of dangerous goods (JT/T 617-2018).

[5] UNITED NATIONS-GLOBALLY HARMONIZEDSYSTEM OF CLASSIFICATIONAND LABELLING OF CHEMICALS (GHS, the 9th revised edition).

[6] Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations (Twenty-second revised edition).

[7]IMO- International Maritime Dangerous Goods (IMDG Code, 40-20 edition).

[8]IATA - Dangerous Goods Regulations (DGR, 64 edition).

[9]UNITED NATIONS- Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR, 2023 edition).

[10]IPCS:The International Chemical Safety Cards (ICSC) ,website: http://www.ilo.org/dyn/icsc/showcard.home.

[11]IARC, website: http://www.iarc.fr/.

[12]OECD: The Global Portal to Information on Chemical Substances, website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en.

[13]CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple.

[14]NLM:ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp.

[15]EPA: Integrated Risk Information System, website: http://cfpub.epa.gov/iris/.

[16]U.S. Department of Transportation:ERG, website: http://www.phmsa.dot.gov/hazmat/library/erg.

[17]Germany GESTIS-database on hazard substance, website: http://gestis-en.itrust.de/.

[18]ECHA, European Chemicals Agency, website: https://echa.europa.eu/home.

[19]NITE, National Institute of Technology and Evaluation, website: https://www.nite.go.jp/en/index.html

Abbreviations and acronyms

CAS –Chemical Abstracts Service

EC NO–European INventory Existingcommercial Chemical Substances

PC-STEL- permissible concentration-short term exposure limit

PC-TWA - permissible concentration-time weighted average

NTP-National Toxicology Program

IARC - International Agency for Research on Cancer

LC_{50} - Lethal Concentration 50%

LD_{50} - Lethal Dose 50%

EC_x - Concentration that produces x% response

EC_{50} - Effective Concentration 50%

NOEC -No Observed Effect Concentration

ErC_{50}-Expressed as a decrease in growth rate EC_{50}

PBT - Persistent, Bioaccumulative, Toxic

vPvB - very Persistent, very Bioaccumulative

BCF - Bioconcentration factor (BCF)

Log Kow–Octanol/Water Partition Coefficient

CMR-Carcinogens, mutagens or substances toxic to reproduction

RAHC-The Remote Area Health Corps

UN-The United Nations

IATA–International Air Transport Association

OECD-Organization for Economic Co-operation and Development

ACGIH–American Conference of Governmental Industrial Hygienists

IMDG-International Maritime Dangerous Goods

DGR-Dangerous Goods Regulations

ADR-Agreement Concerning the International Carriage of Dangerous Goods by Road

IMSBC CODE-International Maritime Solid Bulk Cargoes Code

Disclaimer

This Safety Data Sheet (SDS) was prepared according to UN GHS (the 9th revised edition). 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

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