

SAFETY DATA SHEET (SDS)

Revision date: April.7. 2025

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Identification of product

Product name : AEROSOLS (POWER REFILL AGENT)

Ref No. : 19894

UN/NA(PIN)No. UN1950

Applications : AEROSOLS (POWER REFILL AGENT)

1.2 Area of application

For use in Gasoperated Air soft Guns

2 HAZARDS IDENTIFICATION

2.1 Classification of Substance or Mixture

Classification according to Regulation (EC) No 1272/2008(CLP)

: Extremely flammable gas (H220)

2,2 Lable elements

Labeling according to Regulation(EC)No1272/2008(CLP)



Signal Words : Danger

Hazard statements : Extremely flammable gas

Precautionary statements :

General : Keep out of the reach for children

Prevetion : Keep away from heat / sparks /open flames / hot surfaces - No smoking

Leaking gas fire ; Do not extinguish ,unless leak can be stopped safely

Store : Store in a well ventilated place

2,3 Other Hazards

No additional information available

3 COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS no.	EINECS no.	Concentration %	Classification
Propane	74-98-6	200-827-9	80%	Simple Asphy
Butane	106-97-8	203-448-7	10%	Flam. Gas 1 H220
Butance(containing $\geq 0.1\%$ butadiene(230 - 450 - 8)				Liquefied Gas , H280
May cause frostbite				
HFC 32	75-10-5	200-839-4	10%	

4 FIRST AID MEASURES

- 4.1 Inhalation**
Immediately remove to fresh air in case of accidental inhalation of vapours.
Seek medical advice as soon as possible
- 4.2 Skin Contact**
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Seek medical advice as soon as possible if irritation or frostbite occurs
- 4.3 Eye Contact**
For contact with the liquid, immediately flush eyes thoroughly with warm water for at least 15 minutes.
Hold the eyelids open and away from eyeballs to ensure that all surfaces are flushed thoroughly.
Seek medical attention immediately
- 4.4 Ingestion**
Unlikely route of exposure. This product is a gas at normal temperature and pressure.

5 FIRE FIGHTING MEASURES

- 5.1 Extinguishing media**
CO2, dry chemicals, water spray or fog.
- 5.2 Special fire fighting procedures**
Evacuate all personnel from danger area. Remove ignition sources if without risk.
Use water to disperse vapours. Remove all cylinders from area of fire if without risk.
- 5.3 Unusual fire and explosion hazards**
Possible risk of can rupture when exposed to fire/high temperatures.
- 5.4 Hazardous Decomposition Products**
Fire or high temperatures can create carbon monoxide and/or carbon dioxide

6 ACCIDENTAL RELEASE MEASURES

- 6.1 Steps to be taken in case of release or spill**
Flammable liquid and gas under pressure forms explosive mixtures with air.
Immediately evacuate all personnel from danger area. Remove all sources of ignition if without risk.
Reduce vapors with fog or fine water spray. Ventilate area or remove cylinders to well ventilated areas.
- 6.2 Waste disposal method**
Prevent waste from contaminating the surrounding environment. Keep personnel away.
Discard any product, residue, disposable container in any environmentally acceptable manner, in full compliance with national, state, and local regulations.

7 HANDLING AND STORAGE

- 7.1 Handling**
The gas may explode when heated or on contact with fire and static electricity.
Therefore, it is extremely important to keep it from any source of ignition.
Avoid contact with skin, eyes and clothing.
- 7.2 Storage**
Store in cool, dry place away from all sources of heat including direct sunlight.
When possible, use appropriate container.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Respiratory protection

Make sure that the ventilation is good in the place of use. Self-contained breathing apparatus is needed only when the concentration exceeds the exposure limits or when working during a large gas leak.

8.2 Hand protection

To prevent frostbites, protecting oil and cold resistant gloves should be worn when using this product.

8.3 Skin and Body protection

Overall or long-sleeved work clothing, and closed-in shoes or safety footwear.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1	Molecular Weight	44,50
9.2	Specific Gravity (50/60°F)	0.49 to 0.57(liquid)
9.3	Vapor pressure at 20 Deg. Celsius	107 to 730 kpag (1 bar = 100 kpag)
9.4	Boiling point (Celcius)	- 42
9.5	Dew Point (Celsius)	-39,40
9.6	Latent heat of vaporization (Kcal/kg)	102,00
9.7	Appearance, odor and state	
	Colorless gas at normal temperature and pressure, faintly disagreeable odor.	
9.8	Low Flammability Limit	1.9% in air
9.9	Upper Flammability Limit	9.5% in air
	Flash point (Celcius)	- 41

10 STABILITY AND REACTIVITY

10.1 Conditions to avoid

The product is normally stored under pressure in liquid form. It is fairly stable under normal temperature (below 50 Celcius) and normal pressure (1 atm) As the gas temperature and pressure change, the gas will react accordingly. Thus, possible dangers may occur.

10.2 Materials to avoid

May explode if mixed with oxidizer, nickel carbonyl or oxygen.

10.3 Hazardous decomposition products

Carbon monoxide

11 TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

In theory, LPG is a tranquilizer of the human central nervous system. Therefore, if it comes in direct contact with humans it may be potentially harmful.

11.2 Irritation and corrosion

INHALED: irritation of the respiratory tract. At moderate exposures, subject is likely to have headaches or experience dizziness. At high exposure, lack of oxygen may result in consciousness and respiratory arrest.

EYE: May cause irritation, with a possibility of freezing due to rapid evaporation.

SKIN: Excessive and prolonged contact with the liquid can cause skin irritation and frostbite due to rapid evaporation.

12 ECOLOGICAL INFORMATION

No adverse ecological effects expected. Propane does not contain any Class I or Class II ozone-depleting chemicals. Propane is not listed as a marine pollutant.

13 DISPOSAL CONSIDERATIONS

Do not puncture or incinerate even when empty.
Dispose of in accordance with local authority requirements.

14 TRANSPORT INFORMATION

14.1 Land transport

ADR/RID labels	dg-placard class 2.1 Limited Quantities	
Classification code (ADR)	: 5F	
Special provisions (ADR)	: 190,327,344,625	
Limited quantities (ADR)	: 1L	
Excepted quantities (ADR)	: LQ	
Packing instructions (ADR)	: P207	
Special packing provisions (ADR)	: PP87,RR6,L2	
Mixed packing provisions (ADR)	: MP9	
Transport category (ADR)	: 2	
Special provisions for carriage - Packages (ADR)	: V14	
Special provisions for carriage - Loading,unloading and handling (ADR)	: CV9,CV12	
Special provisions for carriage - Operation (ADR)	: S2	
Tunnel restriction code (ADR)	: D	



14.2 Transport by sea

Special provisions (IMDG)	: 63,190,277,327,344,381,959	
Limited quantities (IMDG)	: SP277	
Excepted instructions (IMDG)	: LQ	
Packing instructions (IMDG)	: P207	
Special packing provisions (IMDG)	: PP87,L2	
EmS-No. (Fire)	: F-D	
EmS-No. (Spillage)	: S-U	
Stowage category (IMDG)	: None	
Stowage and handling (IMDG)	: SW1,SW22	
Segregation (IMDG)	: SG69	



according to Regulation (EC) No.1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

15 REGULATORY INFORMATION

The following selected regulatory requirements may apply to this product. Not all such requirements are identified. Users of this product are solely responsible for compliance with all applicable national, state and local regulations.

R.O.C. Regulations:

1. Occupational Safety and Health Act
2. Enforcement Rules Of the Occupational Safety and Health Act
3. Standards of Permissible Exposure Limits of Airborne Hazardous Substances in Workplace
4. Regulation of Labelling and Hazard Communication

Use and Restrictions :

In general , young people under 18 years of age must not work with this product ,
according to EC Council Directive 94/33/EC

Reference Literatures : Liquefied Petroleum Gases Handbook , NFPA , 4ed.2017

This SDS was prepared and is to be used only for this product , If the products is used as a component in another products , this SDS information may not be applicable, The responsibility of the use of the product lies with the customer.