

revision of: 19/01/2005
 version number: 001

1. Identification of the substance / preparation and the company / undertaking

1.1 Identification of the substance or preparation	Condor Fix Permanent spray
1.2. Use of the substance / preparation	Accessories for photography and professional studios
1.3. Company / undertaking identification	Condor Foto s.a.s. – via Prinetti 32 20127 Milano tel. 0039 02 2611 0946 - fax 0039 02 2614 7831
1.4. Emergency telephone	tel. 0039 02 2611 0946

2. Composition / Information on ingredients**2.1. Hazardous components**

Substance	concentration	CAS number	Einecs	Risk phrases (*):
propane	5-10%	74-98-6		R13
butane	10-20%	106-97-8		R13
n-butyl acetate	30-50%	123-86-4		R10 R66 R67
2-propanone	10-20%	67-64-1		R11

The propellant is propane-butane for spray products.

(*) for the complete text of risk phrases, see paragraph 16

3. Hazards identification

The product may flare up when naked flames are present. The spray can may explode at high temperatures (over 50°C)

4. First aid measures

4.1. Inhalation:	Remove patient to fresh air, keep at rest.
4.2. Eye contact:	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
4.3. Skin contact:	Wash with soap and water.
4.4. Ingestion:	Rinse with plenty of water. Do not induce vomiting. Obtain medical attention.

If indisposition insist, obtain medical attention.

5. Fire-fighting measures

The product contains extremely flammable liquefied gas.

5.10 Extinguishing media: carbon dioxide - dry powder - foam.

5.20 Special procedures: In case of fire, use protective equipment. Cool fire-exposed containers. Containers may explode.

6. Accidental release measures

6.1. Personal precautions: Appropriate clothing and rubber gloves can be worn.

6.2. Environmental precautions: Do not allow to enter water courses. Contain spillages with absorbent material. Avoid sparks and naked flames. Stop engines. Do not smoke.

6.3. Methods of cleaning up: Contain spillages with absorbent material. Sweep up with absorbent material and dispose according to local laws.

7. Handling and storage:

7.1. Handling Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Do not smoke. Keep out of reach of children

7.2. Storage (If great quantities are involved) Store out of direct sun-light in ventilated area and keep away from flames. Avoid build-up of electrostatic charges, keep away from incandescent materials and sources of ignition.

7.3. Specific use(s) No other uses are known.

8. Exposure controls / Personal Protection

8.1. Exposure limit values

propane	TLV: 2500 ppm TWA; (ACGIH 2003)
butane	TLV: 800 ppm TWA; (ACGIH 2003)
n-butyl acetate	TLV: 150 ppm come TWA; 200 ppm come STEL; (ACGIH 2003)
2-propanone	TLV 750 ppm; 1780 mg/m ³ (ACGIH 1993-1993)

8.2.1. Occupational exposure controls

No particular protection equipment is necessary when the product is normally used. Follow general use of ventilation when spray is involved.

8.2.1.1. Respiratory protection Not necessary for normal use. Follow general use of ventilation when spray is involved.

8.2.1.2. Hand protection Not necessary for normal use.

8.2.1.3. Eye protection Not necessary for normal use.

8.2.1.4. Skin protection Not necessary for normal use.

8.2.2. Environmental exposure controls Not available data.

9. Physical and chemical properties

9.1. General information

9.1.1. Appearance Spray can. Colorless.

9.1.2. Odour Sweet.

9.2. Important health, safety and environmental information

9.2.1. pH: Not applicable.

9.2.2. Boiling point / boiling range: -0,5 °C

9.2.3. Flash point: -60 °C

9.2.4. Flammability (solid, gas); 287 °C

9.2.5. Explosive properties Not available data.

9.2.6. Oxydising properties Not available data.

9.2.7. Relative density: Not available data.

9.2.8 Solubility: .

9.2.8.1. Water solubility: Incomplete.

9.2.8.2. Fat solubility: Incomplete.

9.2.9. Partition coeff.: n-octanol /water: Not available data.

9.2.10. Viscosity: Not available data.

9.2.11. Vapour density: Not available data.

9.2.12. Evaporation rate: Not available data.

9.3. Other information Pressure: 3,5 bar at 20°C - 8 bar at 50°C

10. Stability and ractivity

The product is stable . No hazardous chemicals are known to be formed during conventional uses of it.

10.1. Conditions to avoid Keep containers closed. Store in ventilated area and keep away from flames. Keep away from incandescent materials and sources of ignition.

10.2. Materials to avoid None.

10.3. Hazardous decomposition products None.

11. Toxicological information

This product has not been tested for toxicity. In case, see at single components' safety data sheets. Propellent does not present chemical hazard for skin and mucosae.

12. Ecological information:

12.1. Ecotoxicity Not available data.

12.2. Mobility Not available data.

12.3. Persistence and degradability Not available data.

12.4. Bioaccumulative potential Not available data.

12.5. Other adverse effects Not available data.

13. Disposal considerations:

Residues and empty containers must not be allowed to enter drains and water courses. Follow local environmental laws.

14. Transport information

UN number	1950
ADR (road)	classe 2 - lettera 5°F
RID (rail)	classe 2 - lettera 5°F
IMDG (sea)	classe 2 - pagina 2102 - gruppo di imballaggio aerosol
ICAO / IATA (air)	classe 2.1

15. Regulatory information

In accordance with EC directive, (91/155/CE, 2001/58/CE, 94/1/CE, 2004/73/CE), the product is labelled:

Classification: Extremely Flammable.

Risk	R12	Extremely flammable
phrases	R66	Repeated exposure may cause skin dryness or cracking.
	R67	Vapours may cause drowsiness and dizziness.

Safety	S9	Keep container in a well-ventilated place
advice	S16	Keep away from sources of ignition-No smoking
	S15	Keep away from heat
	S2	Keep out of reach of children

16. Other information

Risk phrases (paragraph 2)

R13	Extremely flammable liquefied gas
R10	Flammable
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.
R11	Highly flammable

Bibliography: NIOSH - Registry of toxic effects of chemical substances.
I.SAX-Dangerous properties of industrial materials.

The information of this safety data sheet is based on our present knowledges.

This safety data sheet conforms to EC 91/155/EC, 2001/58/EC, 2001/59/EC, 2004/73/EC

Since the condition of handling and use are beyond our control, we make no guarantee of results. We assume no liability for damages resulting from following our suggestions or recommendations.

This safety data sheet substitutes all previous edition - previous edition number:

Revised section: All section revised.