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Material Safety Data Sheet

Regulation EC No 1907/2006 Art.31

Productname : POSITIV 20
Ref.Nr.: AB28200-3-200810
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1. IDENTIFICATION OF PRODUCT AND COMPANY

Productname : POSITIV 20
Aerosol

Application : Photo-sensitive lacquer

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2. HAZARD IDENTIFICATION

Health and Safety : Extremely Flammable
(DME propellant)
Irritating to eyes.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.

Environment : According to EU-directive 99/45/EC not classified

Other hazards : Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.
Without adequate ventilation formation of explosive mixtures may be possible.

3. COMPOSITION AND INFORMATION ON COMPONENTS

Hazardous ingredient	CAS-nr	EINECS	w/w %	symbol	R-phrases*	Notes
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	203-539-1	5-10		R10	A
2-methoxy-1-methylethyl acetate	108-65-6	203-603-9	5-10	Xi	10-36	A
dimethyl ether	115-10-6	204-065-8	30-60	F+	12	A

n-butyl acetate	123-86-4	204-658-1	1-5		10-66-67	
acetone; propan-2-one; propanone	67-64-1	200-662-2	30-60	F,Xi	11-36-66-67	A
Explanation notes						
A : substance with Community workplace exposure limit						

(* Explanation risk-phrases : see chapter 16)

4. FIRST AID MEASURES

General Advice :	The usual precautions for handling chemicals should be observed If any symptoms should occur, seek medical advice.
Contact with eyes :	If substance has got into eyes, immediately wash out with water for at least 15 minutes Seek immediate medical attention
Contact with skin :	Wash with water and soap. Seek medical attention if irritation persists
Inhalation :	Fresh air, keep warm and at rest. Seek medical attention if ill effects occur
Ingestion :	Ingestion is unlikely to occur If swallowed accidentally, do not induce vomiting and seek medical advice.

5. FIRE-FIGHTING MEASURES

Flash point (without propellant):	< 0 °C (Closed Cup)
Explosion limits : upper limit :	Not available.
lower limit :	Not available.
Extinguishing media :	foam, carbon dioxide or dry agent
Fire-fighting procedures :	Keep container(s) exposed to fire cool, by spraying with water
Unusual exposure hazard :	Aerosols may explode if heated above 50°C

6. ACCIDENTAL RELEASE MEASURES

Personal precautions :	Shut off all ignition sources Ensure adequate ventilation Wear suitable protective clothing and gloves.
Environmental precautions :	Do not allow to enter public sewers and watercourses
Cleaning methods :	Absorb spillage in suitable inert material

7. HANDLING AND STORAGE

Handling procedures :	Use only in well ventilated areas Keep away from heat and sources of ignition Do not spray on a naked flame or incandescent material. Do not pierce or burn aerosols, even after use. Do not breathe aerosols or vapours. Avoid contact with skin and eyes. Eyewash bottles should be available
Storage procedures :	Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Keep in a cool, dry, well ventilated place Keep out of reach of children.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Control procedures :	Ensure adequate ventilation Keep away from heat and sources of ignition Take precautionary measures against static discharges
Personal protection :	Ensure adequate ventilation

It is advisable to take precautions to avoid contact with skin and eyes when handling the product.

inhalation :

In case of insufficient ventilation, wear suitable respiratory equipment.
(Filter type AX)

hands and skin :

Wear suitable protective gloves
(butylrubber)

eyes :

Wear safety goggles.

Exposure limits :

Hazardous ingredient	CAS-nr	method	
EU established exposure limits:			
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm
2-methoxy-1-methylethyl acetate	108-65-6	TWA	50 ppm
		STEL	100 ppm
dimethyl ether	115-10-6	TWA	1000 ppm
acetone; propan-2-one; propanone	67-64-1	TWA	500 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES (for aerosols without propellant)

Apperance : physical state :	DME propelled liquid.
colour :	Blue.
odour :	Solvent.
Boiling point/range :	Not available.
Relative density :	0.87 g/cm ³ (@ 20°C).
pH :	Not applicable.
Vapour pressure :	Not available.
Relative vapour density :	Not available.
Solubility in water :	Insoluble in water
Flash point :	< 0 °C (Closed Cup)
Auto-ignition :	> 200 °C
Viscosity :	Not applicable.
Evaporation rate :	Not available.

10. STABILITY AND REACTIVITY

Conditions to be avoided :	Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat and sources of ignition
Materials to be avoided :	Strong oxidising agent
Hazardous decomposition compounds :	CO,CO ₂

11. TOXICOLOGICAL INFORMATION

Inhalation :	Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion :	Ingestion is unlikely to occur
Skin contact :	Prolonged skin contact will result in defatting of the skin
Eye contact :	Irritating to eyes
Toxicological data :	No experimental data available

12. ECOLOGICAL INFORMATION

Hazardous ingredient	CAS-nr	method	
C.I. Basic Violet 3with > 0.1 % of Michler's ketone (ECno. 202-027-5)	548-62-9	LC50 fish	0.7 mg/l

Do not allow to enter public sewers and watercourses
No experimental data available

13. WASTE DISPOSAL

Product :	Do not discharge into drains or the environment, dispose to an authorised waste collection point. Disposal should be in accordance with local, state or national legislation
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14. TRANSPORT

UN-number :	1950
Road/Rail - ADR/RID :	UN1950 Aerosols Class : 2.1, PG : NA, Class code : 5F, Label : 2.1, Tunnel-code : (B/D)
Sea - IMDG :	UN1950 Aerosols, flammable Class : 2.1, PG : NA, Label : 2.1
EmS	F-D, S-U
Air - IATA/ICAO :	UN1950 Aerosols, flammable Class : 2.1, PG : NA, Label : RFG
Packing instr. LQ	Y203
PAX	203
CAO	203

15. REGULATORY INFORMATION

Warning symbol(s) :	F+ : EXTREMELY FLAMMABLE Xi : IRRITANT
Risk-phrase(s) :	R36: Irritating to eyes. R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness.
Safety-phrase(s) :	S2: Keep out of the reach of children. S16: Keep away from sources of ignition - No smoking. S23: Do not breathe vapours/spray. S35: This material and its container must be disposed of in a safe way. S51: Use only in well-ventilated areas.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Without adequate ventilation formation of explosive mixtures may be possible.

Classified according to Dir. 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.
Classification according to EU-directive 99/45/EC

16. OTHER INFORMATION

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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REVISIONS IN CHAPTRE : 3,11,13,14,15

***Explanation risk-phrases:**
R10: Flammable.
R11: Highly flammable.
R12: Extremely flammable.
R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

This Material Safety Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Material Safety Data Sheet will be sent to you upon simple request or can be found on our website : www.crcind.com. We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.