1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Trade name: WATER-BASED PAINT
Product type and use: Spray paint
Company:
COLORPACK s.r.l.
Via B.Cellini 26
20020 Solaro
Milano - Italia

Emergency telephone number of the company and/or of an authorised advisory centre:
COLORPACK s.r.l. Fax +39 029691714 Tel.+39 029690664 (8.30-17.00 from monday to friday)
Sito Web: www.colorpack.com E-mail: info@colorpack.com
Competent person responsible for the safety data sheet:
m.franzoni@colorpack.com

Centro Antiveleni - Ospedale di Niguarda - Milano - Tel. 02/66101029

2. HAZARDS IDENTIFICATION

The product catches fire with extreme ease, even at temperatures below 0 °C. Without sufficient ventilation formation of explosive mixtures with air may be possible. Pressurized container. Protect from sunlight and do not expose to temperature exceeding 50°C. Heat can increase pressure inside the container with possibility of explosion. Fire can explode container: fire can be propagated at distance by the jump of container. High concentration of gas can cause loss of senseless.

Symbols:
F+ Extremely flammable
R Phrases:
R12 Extremely flammable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Dangerous components according to Council Directive 67/548/EEC and following updating till the 29th (2004/73/CE of 29/04/2004) for which there is permissible exposure limits admitted:

50% - 60% dimethyl ether
N.67/548/CEE: 603-019-00-8 CAS: 115-10-6 EINECS: 204-065-8
F+ Extremely flammable
R12 Extremely flammable.

10% - 12.5% isopropanol
N.67/548/CEE: 603-117-00-0 CAS: 67-63-0 EINECS: 200-661-7
F Highly flammable
Xi Irritant
R11 Highly flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

3% - 5% 2-butoxyethanol
N.67/548/CEE: 603-014-00-0 CAS: 111-76-2 EINECS: 203-905-0
Xn Harmful
Safety Data Sheet
WATER-BASED PAINT

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R36/38 Irritating to eyes and skin.

1% - 3% ammonia ...
C Corrosive
N Dangerous for the environment
R34 Causes burns.
R50 Very toxic to aquatic organisms.

4. FIRST AID MEASURES
Contact with skin:
Wash with plenty of water and soap.
Contact with eyes:
Wash immediately with water for at least 10 minutes.
Swallowing:
Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet.
A suspension of activated charcoal in water, or liquid paraffin may be administered.
Inhalation:
Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.

5. FIRE-FIGHTING MEASURES
Heat can increase pressure inside the container with possibility of explosion. Fire can explode container: fire can be propagated at distance by the jump of container.
Recommended extinguishers:
CO2 or Dry chemical fire extinguisher.
Extinguishers not to be used:
None in particular.
Risks arising from combustion:
Avoid inhaling the fumes.
Protective equipment:
Use protection for the respiratory tract.
High concentration of gas can cause loss of senseless.
Cool the containers exposed to the fire with water.

6. ACCIDENTAL RELEASE MEASURES
Measures for personal safety:
Use gloves and protective clothing.
Environmental measures:
Limit leakages with earth or sand.
Eliminate all unguarded flames and possible sources of ignition. Do not smoke.
If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.
Cleaning methods:
If the product is in a liquid form, stop it from entering the drainage system.
Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.
After the product has been recovered, rinse the area and materials involved with water.
7. HANDLING AND STORAGE

Handling precautions:
- Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.
- Operate in well ventilated place. Vapours are more weighty than air. Vapours may form explosive mixture with air.
- Do not vaporize on flames or incandescent material.
- Do not make hole or burn after use.
- Do not eat or drink while working.
- Do not smoke while working.

Incompatible materials:
None in particular.

Storage conditions:
- Always keep the containers tightly closed.
- Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
- Keep away from flame and sparks. Avoid accumulating electrostatic charge.

Instructions as regards storage premises:
- Cool and adequately ventilated.
- Safety electric system.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary measures:
- Give adequate ventilation to the premises where the product is stored and/or handled.

Respiratory protection:
- Use adequate protective respiratory equipment, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).

Protection for hands:
- Not needed for normal use.

Eye protection:
- Not needed for normal use.

Protection for skin:
- No special precaution must be adopted for normal use.

Exposure limit(s) (ACGIH):
- isopropanol
  - TLV TWA: 400 ppm - 983 mg/m3
  - TLV STEL: 500 ppm - 1230 mg/m3
- 2-butoxyethanol
  - TLV TWA: 25 ppm - 121 mg/m3 skin

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour: Liquid
Odour: Characteristic
Can Volume: 210 l 270 l 405 l 520 l 800 ml
Product Volume: 150 l 200 l 300 l 400 l 600 ml
Flash point: < 0 °C Abel Pensky
Solid/gas flammability: -41 °C Abel Pensky
Autoignition temperature: 350 °C
Propellant explosivity: 3.4 ÷ 18.6 % in volume aria
Vapour pressure: 4.0 bar +/- 0.3 - 20 °C
Deformation Pression: 15 bar
Explosion Pression: 18 ÷ 20 bar
Relative density: 0.95 +/- 0.05
Solubility in water: YES

10. STABILITY AND REACTIVITY
Conditions to avoid:
Avoid accumulating electrostatic charge.
Substances to avoid:
Avoid contact with combustible materials. The product could catch fire.
Hazardous decomposition products:
None.

11. TOXICOLOGICAL INFORMATION
The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.
Set out below is the toxicological information relating to the main substances in the preparation.
2-butoxyethanol
LD50 (RABBIT) ORAL: 320 mg/Kg

12. ECOLOGICAL INFORMATION
Adopt good working practices, so that the product is not released into the environment.
List of substances dangerous for the environment and corresponding classification:
1% - 3% ammonia ....%
R50 Very toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION
ADR-UN number: 1950
ADR-Class: CL. 2 - 5F
ADR-Shipping Name: AEROSOL
ADR-Label: 2.1
IMDG-Class: CL. 2,1 AEROSOL
IMDG-Page: 2102

15. REGULATORY INFORMATION

Symbols:
F+ Extremely flammable
R Phrases:
R12 Extremely flammable.
S Phrases:
S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe vapour
S33 Take precautionary measures against static discharges.
S43 In case of fire, use CO2 or Dry chemical fire extinguisher
S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well-ventilated areas.
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S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.
S2 Keep out of reach of children.
S7 Keep container tightly closed.

Special Provisions:
Pressurized 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. Keep away from sources of ignition - No smoking. Keep out of reach of children.

Volatile organic compounds - VOCs = 490 g/l

Where applicable, refer to the following regulatory provisions:
Directive 2003/105/EC ('Activities linked to risks of serious accidents').
Directive 1999/13/EC (VOC directive)

16. OTHER INFORMATION

Main bibliographic sources:
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
SAX’s DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold
ACGIH - Threshold Limit Values - 1997 edition

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

Text of R phrases referred to under heading 3:

R12 Extremely flammable.
R11 Highly flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R36/38 Irritating to eyes and skin.
R34 Causes burns.
R50 Very toxic to aquatic organisms.

This MSDS cancels and replaces any preceding release.