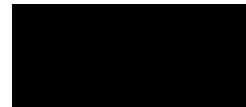


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1. Identification of the substance / preparation and of the company / undertaking

Trade Name:
AntiVirus-Air-Glass

Address of the Company / Supplier:
Power Color International GmbH
Königspergerstr. 5
D-93426 Roding
Fon: +49 9461-402593
Mail: info@pc-int.de

Emergency phone No.: +49 6131 / 19240
(Poison information centre of the University
Clinic Mainz/Germany)

2. Composition / Information on Ingredients

Chemical characterization (preparation)
Watery dispersion.

Ingredients:

Marking	Contents	CAS-No.	EINECS-No.
Titan(IV)-oxide	< 0,5%	13463-67-7	236-675-5
Tungsten(VI)-oxide	< 0,5%	39318-18-8	215-231-4
Silicon dioxide	< 2%	7631-86-9	238-878-4
Water	< 37%	7732-18-5	231-791-2
Ethanol	> 60%	64-17-5	200-578-6
Additive		Not specified	

Full text of each relevant R phrase can be found in heading 16.

3. Hazards Identification

Classification

Indications of danger : Highly flammable
R-phrases: Highly flammable.

4. First Aid Measures

General information

Take off immediately all contaminated clothing Move victim to fresh air. Instruct person to keep calm and warm. If victim is at risk of losing consciousness, position and transport on their side.

After inhalation

Provide fresh air. Consult physician if problems persist.

After contact with skin

Take off immediately all contaminated clothing. After contact with skin, wash immediately with: water and soap.

After contact with eyes

After contact with eye rinse immediately with lot of water at least 5 minutes with open eyelid. Subsequently consult an ophthalmologist.

After ingestion

If major quantity of dust is swallowed or inhaled, immediately drink: Consult physician. Do not attempt to make an unconscious person vomit.

Advice to doctor

Symptoms: Dizziness. Headache. Nausea. Unconsciousness.

Nature of Hazard: Oils and milk are contraindicated. Caution if victim vomits: Risk of aspiration!

Treatment: Following swallowing of paraffin-oil carry out stomach pumping with animal charcoal addition agent.

5. Fire Fighting Measures

Suitable Extinguishing Media: Atomized water. Alcohol resistant foam. Dry extinguishing powder. Carbon dioxide (CO₂).

Extinguishing Media to Avoid: High power water jet.

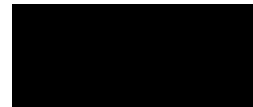
Fire and Explosion Hazards: In case of fire may form: Carbon monoxide.

Special Protective Equipment: In case of fire: Wear self-contained breathing apparatus. Full protective suit.

Additional Information: Use water spray/stream to protect personnel and to cool endangered containers. Vapours are heavier than air and will travel at floor level. In case of fire and/or explosion do not breathe fumes.

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6. Accidental Release Measures

Personal Precautions: Wear personal protection equipment. Keep away from unprotected people. Keep upwind. Provide adequate ventilation. Remove from all sources of ignition. Avoid contact with skin and eyes. Do not breathe gas/fumes/vapour/spray.

Environmental Precautions and Methods for Cleaning up: Do not empty into drains or the aquatic environment. In cases of gas being released or leakage into waters, the ground or the drainage system the appropriate authorities must be informed. Ventilate area. Water (with cleaning agent).

Further Information: Clean contaminated articles and floor according to the environmental legislation. Suitable material for absorbing: Universal binding agent. Clean with detergents. Avoid solvent cleaners. Ventilate area.

7. Handling and Storage

Handling

Advice on safe handling

If suction of the immediate vicinity is impossible or insufficient, the entire working place must be sufficiently ventilated using appropriate machines. Handle open container with care. It is recommended to organise all working processes so that the following can be ruled out: inhalation. Skin contact. eye contact.

Advice on protection against fire and explosion

Concentrated vapours are heavier than air. Fumes may form explosive mixtures with air. Keep away from sources of ignition. No smoking. Take precautionary measures against static discharges.

Further information on handling

Keep in a cool, well-ventilated place.

Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Ensure the earthing of containers, apparatus, pumps and suction equipment.

Storage class: 3A flammable liquid substances

Further information on storage conditions

storage stability: 6 months

Storage temperature: 5°C - 25°C

Storage class (VCI) : 3A

8. Exposure Controls and Personal Protection

Exposure limit values

Exposure limits (EH40)

CAS No.	Substance	ml/m ³	mg/m ³	F/ml	Category	Origin
64-17-5	Ethanol	1000	1920		TWA (8h) STEL (15 min)	WEL WEL

Exposure controls

Occupational exposure controls

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn. In the immediate working surroundings there must be: Emergency spray installed. Provide eye spray and label its location conspicuously.

Protective and hygiene measures

It is recommended to organise all working processes so that the following can be ruled out: inhalation. skin contact. eye contact. After work, wash hands and face.

Respiratory protection

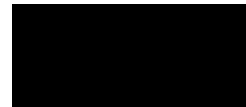
Wear respiratory protection when in the presence of vapour, dust, and aerosols.

Hand protection

Protect skin by using skin protective cream. Tested protective gloves are to be worn: Qualified materials: NBR (Nitrile rubber). Butyl rubber. FKM (Fluoroelastomer).

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Eye protection

Tightly sealed safety glasses.

Skin protection

Lab apron.

Environmental exposure controls

refer to Chap. 5 and 6

9. Physical and Chemical Properties

General Information

Aggregate state : liquid

Colour : milky

Odour : light alcoholic

Basic information about Health- and Environment- protection as well as safety

pH-value (at 25 °C): 3 - 4

Change of condition

Boiling point: not known

Flashing point : 23 °C

Density (at 20 °C) : 0,91 ± 0,05 g/cm³

Volatile Volume: >95%

10. Stability and Reactivity

Conditions to avoid

Keep only in the original container at temperature not exceeding 30 °C.

Materials to avoid

Oxidizing agents. Alkalis (alkalis).

Hazardous decomposition products

No risks worthy of mention.

11. Toxicological Information

Acute toxicity

Toxicological data are not available.

Specific effects in experiment on an animal

The information refers to the solvent. Ethanol:

Oral LD50 7060 mg/kg (rat)

Dermal LD50 >20000 mg/kg (rabbit)

Inhalativ LC50 20000 mg/L (rat)

Empirical data on effects on humans

Inhalation causes narcotic effects/intoxication.

Further information

See protective measures under point 7 and 8.

12. Ecological Information

Further information

Preparation not tested. The information about ecology refer to the main components.

13. Disposal Considerations

Waste disposal number of waste from residues/unused products

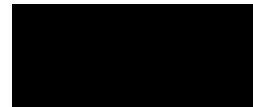
080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

Waste disposal number of used product

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances.
Classified as hazardous waste.

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Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances
Classified as hazardous waste.

Contaminated packaging

Completely emptied packings can be re-cycled.

14. Transport Information

Transportation by Road or Railway according to ADR and RID

Class : 3 Risklabel: 3
packing group : II UN-No.: 1170
..... Hazard-No. 33



Classification for Transportation by Inland-Navigation according to ADNO

Description of the goods

ethanol, ethyl alcohol, solution

Classification for Transportation by Vessels according to IMDG

IMDG-class : 3 UN-No. : 1170

Marine pollutant : no EmS : F-E, S-D
IMDG packing group : II Risklabel : 3

Remarks (marine transport)

ethanol, ethyl alcohol, solution

Classification for Transportation by Aeroplane according to IATA-DGR/ICAO-TI

ICAO/IATA-Class : 3 UN/ID-No. : 1170

IATA-Packing Instructions - Passenger : 305

IATA-Packing Instructions - Cargo : 307

ICAO-Packing Group : II

IATA-max. quantity - Cargo : 60 L

Description of the goods

ethanol, ethyl alcohol, solution

15. Regulatory Information

Classification according to EEC-Regulations:

Hazard Identification	F	Highly flammable
R-Phrases	11	Highly flammable
S-Phrases	2	Keep out of the reach of children.
	7	Keep container tightly closed.
	13	Keep away from food, drink and animal feedingstuffs.
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	46	If swallowed, seek medical advice immediately and show this container or label.

National Regulations

Water contaminating class : 1 - slightly water contaminating

16. Other Information

Text of R phrases mentioned in Section 2

R 11 Highly flammable.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.