

**SAFETY DATA SHEET****1. Identification of the product and of the company/undertaking****Product identifier****Product use:** Hose used with PROS DB machines.

Product	Description
8995690231	Hose 1.8m MPP9023 for PROS DB

**Details of the supplier:**

Company: KWH Mirka Ltd

Address: Pensalavägen 210

FI-66850 Jeppo, Finland

Phone: +358 20 760 2111 Fax: +358 20 760 2290

E-mail: sales@mirka.com

**Emergency telephone number:**

+358 20 760 2111

Opening hours: Monday – Friday, 08.00 a.m. – 04.00 p.m. (UTC/GMT +2.00/+3.00).

**2. Identification of the substance**

## 2.1. Dust hose

Ethylene-vinyl acetate copolymers

Main applications: Foaming, film extrusion, injection molding, hot melt adhesive.

## 2.2. Air hose

Product information: Polyester plasticizer PACIZER 6848

Recommended use and restrictions on use: manufactured additive of PVC.

**3. Hazard identification:**

## 3.1. Dust hose

Classification according to Regulation (EC) No. 1272/2008: None.

Contents of label: None.

Other Hazards: None.

Results of PBT and vPvB assessment: This information is not required.



### 3.2 Air hose

Hazard classification:	ND.
Warning information:	ND.
GHS label:	ND.
Signal word:	ND.
Hazard statement:	ND.
Precautionary statement:	Wear suitable gloves and eye/face protection.
Other hazards:	ND.

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## 4. Composition / Information on ingredients:

### 4.1. Dust hose

<b>Components</b>	<b>Ethylene-vinyl acetate copolymers</b>	<b>Vinyl acetate</b>
CAS No.	24937-78-8	108-05-4
EC No.	429-840-1	203-545-4
Percent %	> 99	< 0.5
Notes		Residual only

### 4.2. Air hose

Product name:	(Bis-2-Ethylhexyl-terephthalate)
Synonyms:	DOTP
CAS number:	6422-86-2
Hazardous ingredient:	ND

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## 5. First aid measures:

### 5.1. Dust hose

#### Emergency and first aid procedures:

- Eye contact: Flush eyes with plenty of water for several minutes. Seek medical advice if pain persists.
- Inhalation: Supply fresh air. Get medical attention.
- Skin contact: If contact with molten material, immediately immerse contacted area with cold water. Don't attempt to peel off the molten material from skin. Get medical attention.
- Ingestion: Get medical attention.

Major symptom and harm effect:	None.
First aid personal protection:	No need.
Notes to physician:	Expatiate symptom or phenomenon of the patient.



## 5.2. Air hose

First aid measures for different exposure routes:

- Inhalation: Move affected person to fresh air, and promptly seek medical attention.
- Skin contact: Wash off immediately with plenty of soap and water. Take all contaminated clothing off immediately. Seek medical advice if irritation develops.
- Eye contact: Immediately flush with large quantities of clean water for at least 15 minutes and call a physician.
- Ingestion: See a physician immediately.

Most important symptoms and hazardous effects: ND.

Protection of first-aiders: ND.

Notes to physician: ND.

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## 6. Fire fighting measures:

### 6.1. Dust hose

Suitable extinguishing media: Water, carbon dioxide, dry chemical.

Special exposure hazards: Dust may be explosive when mixed with air.

Special extinguishing procedure:

1. Stand on the up-wind side, then apply fire extinguisher to cover the fire area thoroughly.
2. If possible, remove the remaining pellets or goods to a safe location.
3. Appropriate protective fire fighting clothing and respirator are necessary for firefighters.

### 6.2. Air hose

Extinguishing media: CO<sub>2</sub>, dry chemical powder, alcohol or polymer foam.

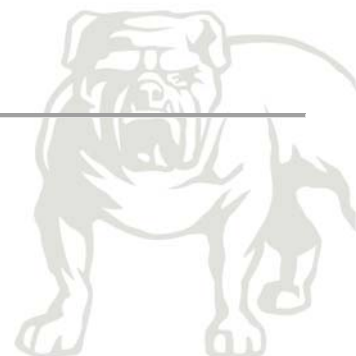
Fire and explosion hazards: ND.

Special fire fighting procedures: ND.

Special equipment for the protection of firefighters:

Use a positive-pressure self-contained breathing apparatus and full protective clothing for chemicals.

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## 7. Accidental release measures:

### 7.1. Dust hose

Personal protection: It may be slippery.

Environmental protection: Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Stop leak and shovel into container for disposal.

### 7.2. Air hose

Personal precautions: Clean-up personnel should wear protective clothing and equipment to prevent inhalation of vapor and skin and eye content.

Environmental precautions: This material should be kept out of sewage and drainage systems and all bodies of water. Clean up releases as soon as possible, observing precautions in the Personal precautions in this section.

Methods for cleaning up: Absorb materials with any commercial waste absorbent.

Dike large spills and place materials in salvage containers.

Consult an expert on the disposal of recovered materials.

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## 8. Handling and storage

### 8.1. Dust hose

Handling: Before using, read the Product Data Sheet. Use in well-ventilated area.

Storage: Keep in a dry, cool place. Do not store in heat or direct sunlight. Keep container tightly closed when not being used.

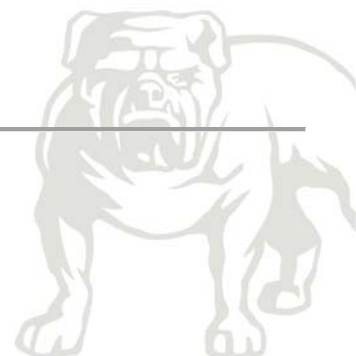
Specific end uses: None.

### 8.2. Air hose

Handling: Avoid contact with eyes, skin or clothing. Do not breathe in the vapor.  
Wash thoroughly after handling.

Keep away from heat. Keep away from sources of ignition – no smoking.

Storage: Store away from all sources of flame and heat.  
Avoid contact with oxidizing agents, strong alkalis and acids.  
Keep container closed and store in cool area.



## 9. Exposure control / Personal protection

### 9.1. Dust hose

Engineering control: Ventilated area to prevent accumulation of dust and fumes.

Control factor: 108-05-4 vinyl acetate.

PEL: Long-term value: 35 mg/m<sup>3</sup>, 10 ppm.

TLV: Short-term value: 15 ppm; Long-term value: 10 ppm.

DNEL: The product is exempt from REACH registration.

PNEC: The product is exempt from REACH registration.

Environmental exposure controls: No special environmental precautions required.

#### **Personal Protection Equipment:**

- Respiratory protection: Use dust-proof mask.
  - Hand protection: Use rubber gloves. Use thermal resistant gloves, when needed.
  - Eye Protection: Use safety goggles, when dust is present.
  - Skin and body protection: Long-sleeve lab coats and gloves to protect from skin exposure.
- Hygiene procedures: None.

### 9.2. Air hose

Engineering control: Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure.

Control parameters:

- 8 hours time-weighted average exposure limits TWA: ND.
- Short-term exposure limits STEL: ND.
- Maximum exposure limits CEILING: ND.
- Biological standards: ND.

Biological beacon: LD/50>5000mg/kg.

#### **Personal protective equipment:**

Respiratory protection: Use an approved air-purifying respirator.

Hand protection: Chemical-resistant gloves.

Eye protection: Safety glasses with shields.

Skin and body protection: To prevent skin contact wear skin protection, such as gloves, workpants, long-sleeve work shirt, or disposable clothing.

Specific hygiene measures: Wash hands before eating and drinking.



## 10. Physical and chemical properties

### 10.1. Dust hose

Appearance: Solid pellets	Odor: Negligible
Odor threshold: Not applicable	PH value: Not applicable
Melting point: 60 ~ 90°C	Boiling point/Boiling range: Not applicable
Inflammability: Not applicable	Flash point: ----
Decomposition temperature: not applicable	Exposure limits: Not applicable
Autoignition temperature: 300 ~ 350°C	Vapor density: Not applicable
Vapor pressure: Not applicable	Solubility in water: Insoluble
Density: 0.925 ~ 0.955	Volatility speed: -----
Partition coefficient (n-octanol/water, iog Kow): --	

### 10.2. Air hose

Appearance: Transparent clear liquid	Odor: Slight odor
Odor threshold: ND	Melting point: ND
pH: ND	Boiling point/Boiling range: 400°C
Flammability: ND	Flash point & method: 460.4°F / 238°C
Decomposition temperature: ND	Used: Closed cup
Autoignition temperature: ND	Explosion limits: ND
Vapor pressure: ND	Vapor density: ND
Density: 0.982 (25°C)	Solubility: Water insoluble
Partition coefficient n-octanol/water: ND	Evaporation rate: ND

## 11. Stability and reactivity

### 11.1. Dust hose

Reactivity:	Stable under normal conditions of handling, use and transportation.
Stability:	Stable.
Special conditions of hazardous reaction:	Not applicable.
Conditions to avoid:	Avoid heating above the recommended processing temperature.



Incompatibility: May react with strong oxidant.  
Hazardous decomposition products: CO, CO<sub>2</sub>, and a wide variety of innocuous or toxic fumes.

### 11.2. Air hose

Stability: Stable.  
Possible hazardous reactions occurring under specific condition: ND.  
Conditions to avoid: Heat and moisture.  
This product is stable up to general PVC processing temperature.  
Material to avoid: Strong oxidizing agents, strong alkalis and strong acids.  
Hazardous decomposition products: Thermal decomposition or combustion may produce carbon dioxide and carbon monoxide.

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## 12. Toxicological information

### 12.1. Dust hose

Routes of exposure: Skin, eyes, inhalation.

Immediate effects:

- Eye: slight irritation, rabbit.
- Inhalation: Dust irritating to respiratory tract.
- Skin contact: slight irritation, rabbit.
- Ingestion: Essentially non-toxic based on components.

Other: Toxicological data are not available.

### 12.2. Air hose

Routes of exposure (inhalation, ingestion, skin and eye contact):

ND.

Symptoms: ND.

Acute toxicity: ND.

Chronic toxicity or delayed toxicity: ND.



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### 13. Ecological information

#### 13.1. Dust hose

Ecological toxicity: Difficult to biodegrade. It can be recycled with appropriate technologies.

Sustainable and De-toxic: Hard to naturally degrade.

Ecological accumulation: None.

Liquidity in soil: None.

Results of PBT and vPvB assessment:

This information is not required.

Other poor effect: Improper burning may generate hazardous gas.

#### 13.2. Air hose

Ecotoxicity: ND.

Persistence and degradability: ND.

Bioaccumulative potential: ND.

Mobility in soil: ND.

Other adverse effect: ND.

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### 14. Disposal information

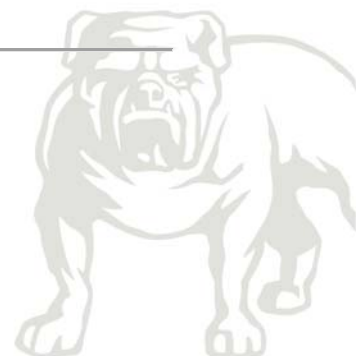
#### 14.1. Dust hose

Disposal information: Dispose of waste material at an approved waste incineration facility in accordance with applicable regulations.

#### 14.2. Air hose

Recommended methods for safe and environmentally preferred disposal:

Disposal must be carried out in accordance with applicable governmental regulation.





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## 15. Transportation information

### 15.1. Dust hose

United Nations Number (UN No.):	Not regulated.
United Nations shipping name:	Not regulated.
D.O.T. hazard class:	Not regulated as a hazardous for transportation.
Package category:	Not regulated.
Maritime pollutants:	Not regulated.
Special transport way and note:	Not regulated.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.

### 15.2. Air hose

UN number:	Not applicable.
UN proper shipping name:	Not applicable.
Transport hazard class:	Not applicable.
Packing pollution:	Not applicable.
Marine pollution:	No
Specific precautionary transport measure and conditions:	ND.

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## 16. Regulatory information

### 16.1. Dust hose

Ethylene-vinyl acetate copolymer (CAS#24937-78-8) is listed in the following chemical inventories:

- USA TSCA.
  - Canada DSL.
  - European EINECS are exempt from the listings, all monomers are listed.
  - Australian AICS.
  - Korean ECL.
  - Philippines PICCS.
  - Chinese Inventory of Existing Chemical Substances.
- Chemical Safety Assessment: Chemical Safety Assessment (CSA) is not required.
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