

\*\*\*\*\* \* AKZONOBEL PAINTS SAFETY DATA SHEET \* \*\*\*\*\*

**Dulux PureAir**

Date: 16/05/2014

**1. IDENTIFICATION OF THE PREPARATION AND COMPANY**

PRODUCT NUMBER: A907-Line

PRODUCT NAME : Dulux PureAir Line

Supplied by :  
Akzo Nobel Paints (Malaysia) Sdn.Bhd  
Nilai Works  
Lot 5827 Kawasan Perindustrian Nilai  
Mukim Setul 71800 Nilai  
Negeri Sembilan  
Malaysia

E-mail address :

Emergency Telephone : Malaysia (Nilai) : (006) 06 799 4200  
HSE&S Manager  
Department of Health, Safety, Environmental & Security (HSE&S)

**INTENDED USE**

AkzoNobel's Paints decorative products are intended for use in the decoration of buildings surfaces. Refer to product label for details of areas of use and methods of application.

**2. HAZARDS IDENTIFICATION**

This product has been assessed under the Occupational Safety and Health (Classification, Packaging & Labelling of Hazardous Chemicals) Regulations 1997, and is classified as follows.

Indication(s) of Danger

None

Symbol Letter(s)

None

Category(ies) of Danger

None

Warning Label Phrases

None

Information on Occupational Exposure Limits is given in Section 8.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substances presenting a physico-chemical, health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or which are assigned occupational exposure limits.

EC No.	CAS No.	HAZARDOUS INGREDIENTS	%	CLASSIFICATION
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		DIATOMACEOUS EARTH	1.0-2.5		
200-338-0	57-55-6	PROPYLENE GLYCOL	1.0-2.5		
	6846-50-0	TRIMETHYLPENTANEDIOL DIISOBUTYRATE	1.0-2.5		
236-671-3	13463-41-7	PYRITHIONE ZINC	< 1.0	N, T	R23-41-50
215-222-5	1314-13-2	ZINC OXIDE	< 1.0	N	R50/53

Note: The text for R phrase codes shown above (if any) is given in section 16.

Note: 'EC Number' if quoted is the EINECS or ELINCS number.

#### **4. FIRST-AID MEASURES**

In all cases of doubt, or where symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped administer artificial respiration. Give nothing by mouth. If unconscious place in the recovery position. Seek medical advice.

**EYE CONTACT:** Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes, holding lids apart. Seek medical advice.

**SKIN CONTACT:** Remove contaminated clothing, wash skin thoroughly with soap and water, or use a proprietary skin cleanser. Do not use solvents or thinners. Seek medical advice if symptoms persist.

**INGESTION:** If accidentally swallowed, DO NOT INDUCE VOMITING. Keep at rest and obtain medical attention.

#### **5. FIRE-FIGHTING MEASURES**

Extinguishing media: Recommended - alcohol resistant foam, CO<sub>2</sub>, powders.

Not to be used - waterjet.

Recommendations : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Fire fighters should wear self-contained breathing apparatus.

Closed containers exposed to fire should be cooled with water. Do not allow run-off from fire-fighting to enter drains or water-courses.

#### **6. ACCIDENTAL RELEASE MEASURES**

Exclude non-essential personnel.

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in section 8. Contain and collect spillage with non-combustible absorbent materials, eg sand, earth, vermiculite or diatomaceous earth, and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

## **7. HANDLING AND STORAGE**

**HANDLING CONDITIONS:** Prevent air-borne concentrations higher than the occupational exposure limits. Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Avoid skin and eye contact. Avoid inhalation of vapour. Smoking, eating and drinking should be prohibited in storage and use areas. For personal protection, see Section 8. Always keep in containers made of the same material as the supply container, or in containers that are compatible with the product.

**STORAGE CONDITIONS:** Observe the label precautions. Store in a cool, dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Containers which are opened should be properly resealed and kept upright to prevent leakage. Do not use or store any paint container by hanging on a hook.

**SPECIFIC USE(s):** Where applicable refer to the product label and literature for the application and use instructions.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **EXPOSURE LIMIT VALUES**

<b>HAZARDOUS INGREDIENT</b>	<b>LTEL (8hr TWA) ppm</b>	<b>LTEL (8hr TWA) mg/m<sup>3</sup></b>	<b>STEL (15 mins) ppm</b>	<b>STEL (15 mins) mg/m<sup>3</sup></b>	<b>Notes</b>
DIATOMACEOUS EARTH		2.4			WEL, rd
PROPYLENE GLYCOL	150	470			WEL

OEL - Occupational Exposure Limits

WEL - Workplace Exposure Limit

SUP - Manufacturer's recommended Limit

LTEL - Long-term Exposure Limit.

TWA - Time weighted Average

STEL - Short term Exposure Limit (15mins)

sk - Risk of absorption through unbroken skin

sen - Respiratory sensitiser

rd - Figure quoted is for Respirable dust

id - Figure quoted is for Inhalable dust

Further guidance on WELs and OELs, and on occupational exposure to harmful materials (including mixed exposures) is given in HSE Guidance Note EH40.

### **EXPOSURE CONTROLS**

All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of local regulations.

**RESPIRATORY PROTECTION:** Avoid the inhalation of vapour, particulates and spray mist. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general ventilation. If this is not sufficient to maintain concentrations of particulates and solvent vapour below the occupational exposure limit, respiratory protection must be worn.

The selection of respiratory equipment should be in accordance with local regulations.

When spray applying, suitable respiratory equipment with positive air supply should be used in cases of insufficient ventilation or where operational procedures demand it. Ensure compliance with local regulations.

**HAND PROTECTION:** Wear suitable gloves for protection against materials in section 3.

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed.

**EYE PROTECTION:** Eye protection designed to protect against liquid splashes should be worn.

**SKIN PROTECTION:** Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

**FLATTING:** Protective gloves should be worn to avoid the risk of skin irritation. When surfaces are to be prepared for painting, account should

be taken of the age of the property and the possibility that lead pigmented paint might be present. There is a possibility that ingestion or inhalation of scrapings or dust arising from the preparation work could cause health effects. As a working rule you should assume that this will be the case if the age of the property is pre 1960.

Where possible wet flattening or chemical stripping methods should be used with surfaces of this type to avoid the creation of dust. When dry flattening cannot be avoided, and effective local exhaust ventilation is not available, it is recommended that a dust respirator is worn, that is approved for use with lead dusts, and its type selected on the basis of Occupational Safety and Health (Use and Standard of Exposure of Chemicals Hazardous to Health) Regulations 2000, taking into account the occupational hygiene exposure standard for lead in air. Furthermore, steps should be taken to ensure containment of the dusts created, and that all practicable measures are taken to clean up thoroughly all deposits of dusts in and around the affected area.

The UK Control of Lead at Work approved code of practice 1998 (ISBN 0 71 7615065) might be consulted for advice on protective clothing and personal hygiene precautions.

Care should also be taken to exclude visitors, members of the household and especially children from the affected area, during the actual work and the subsequent clean up operations.

All scrapings, dust, etc. should be disposed of by the professional painting contractor as Special (Hazardous) Waste, with the relevant documentation under the Environmental Quality (Scheduled Wastes) Regulations 1989.

Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

ENVIRONMENTAL EXPOSURE CONTROLS: See section 12 for detailed information.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State :	Liquid
Flash Point :	NON FLASH      °C
Specific Gravity :	1.300
Water Miscibility :	Yes
pH :	8.5 - 9.5
Viscosity :	N/A                      (ISO 6mm Range)

## **10. STABILITY AND REACTIVITY**

CONDITIONS TO AVOID: Extremes of temperature.

MATERIALS TO AVOID: Keep away from oxidising agents, strongly alkaline and strongly acidic materials in order to avoid exothermic reactions.

HAZARDOUS DECOMPOSITION PRODUCTS: When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke and oxides of nitrogen.

## **11. TOXICOLOGICAL INFORMATION**

There is no experimental data available on the product itself. However, it has been assessed according to the Occupational Safety and Health (Classification, Packaging & Labelling of Chemicals) Regulations 1997 and classified for toxicological hazards. See Section 15 for these details, including associated risk and safety phrases.

Over-exposures of vapour are irritating to eyes and respiratory system. Excessive concentrations may produce effects on the central nervous system including drowsiness. In extreme cases loss of consciousness may result. Long term exposure to vapour concentrations in excess of quoted OELs may result in adverse health effects. Splashes entering the eye will cause discomfort and possible damage. Prolonged contact with the skin may have a defatting effect which may lead to skin irritation and in some cases dermatitis.

## **12. ECOLOGICAL INFORMATION**

There is no specific data available on the product itself.

The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters.

The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

Products classified as Marine Pollutants are indicated as such under Transport (section 14).

Products classified as Dangerous For the Environment are indicated as such in sections 2 and 15.

Any substances in the product that are classified as Dangerous for the Environment, present at concentrations above those requiring listing are given in section 3.

## **13. DISPOSAL CONSIDERATIONS**

Wastes, including emptied containers, should be disposed of in accordance with national regulations.

## **14. TRANSPORT INFORMATION**

Transport within user's premises:

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport to be in accordance with ADR for road, IMDG for sea. The transport classifications provided in this section are not valid for transport by Air. Please call the number in section 1 of this safety data sheet to obtain more information on this products classification for Air transport.

### **ADR Classification Information**

UN Number : 0000

Proper Shipping Name : NOT APPLICABLE

Hazard Class : EX

Sub-Hazard Class :

Packing Group : EX

Technical Name (NOS only) :

Ltd Qty Code :

Packing Instructions :

### **IMDG Classification Information**

UN Number : 0000

Proper Shipping Name : NOT APPLICABLE

Hazard Class : EX

Sub-Hazard Class :

Packing Group : EX

Technical Name (NOS only) :

Ltd Qty Maximum :

Packing Instructions :

Marine Pollutant if indicated here:

Emergency Schedule No :

Flashpoint : NON FLASH

## **15. REGULATORY INFORMATION**

This product has been assessed under the Dangerous Preparations Directive (1999/45/EC) and is classified as follows:

### NAMED SUBSTANCES

Contains

No substances are required to be named in this section

### INDICATION(S) OF DANGER

None

### SYMBOLS LETTER(S)

None

### WARNING LABEL PHRASES:

- |     |   |
|-----|---|
| S2  | Keep out of the reach of children.                            |
| S23 | Do not breathe solvent vapour/spray.                          |
| S51 | Use only in well-ventilated areas.                            |
| J17 | Safety data sheet available for professional user on request. |

Where 'J'and/or 'P' phrases are denoted, these are AkzoNobel Paints or paint industry reference codes to additional phrases.

## **16. OTHER INFORMATION**

Text for R Phrases shown in section 3 describing each ingredient:

- |        |  |
|--------|--|
| R23    | Toxic by inhalation.   |
| R41    | Risk of serious damage to eyes.  |
| R50    | Very toxic to aquatic organisms.   |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

The information given in this data sheet is required pursuant to the Occupational Safety and Health (Classification, Packaging & Labelling of Hazardous Chemicals) Regulations 1997 - Regulation 9.

Other Reference: Occupational Safety and Health ( Use and Standard of Exposure of Chemicals Hazardous to Health ) Regulations 2000.

The information on this sheet is not a specification: it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions and recommendations are not followed.

We will be pleased to answer any specific enquiries regarding the safe use, storage and handling of our product.

Contact: Akzo Nobel Paints (Malaysia) Sdn. Bhd. (3393-v)

(formerly known as ICI Paints (Malaysia) Sdn. Bhd.)

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