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\* Product Safety Data Sheet \*  
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Version: 1  
Date: Dec 2009

## **DULUX ULTRA ADVANCED ALKYD GLOSS ENAMEL 1508**

The information contained herein is based on data available at the time of preparation of this data sheet which ICI Paints believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. ICI Paints shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and the users of this material. Complies with OSHA hazard communication standard 29CFR1910.1200. prepared 07/23/07  
Paints

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### **HAZARDS IDENTIFICATION (ANSI Section 3)**

**Primary route(s) of exposure :** Inhalation, skin contact, eye contact, ingestion.

**Effects of overexposure :**

**Inhalation :** Irritation of respiratory tract. Prolonged inhalation may lead to mucous membrane irritation, coughing, allergic response, pneumoconiosis. Possible sensitization to respiratory tract.

**Skin contact :** Irritation of skin.

**Eye contact :** Irritation of eyes.

**Ingestion :** Ingestion may cause gastro-intestinal disturbances.

**Medical conditions aggravated by exposure :** Eye, skin, respiratory disorders, lung disorders.

### **FIRST-AID MEASURES (ANSI Section 4)**

**Inhalation :** Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty. Remove to fresh air if inhalation causes eye watering, headaches, dizziness, or other discomfort.

**Skin contact :** Wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin. Repeated applications may be needed. Remove contaminated clothing.

**Eye contact :** Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment.

**Ingestion :** If swallowed, obtain medical treatment immediately.

### **FIRE-FIGHTING MEASURES (ANSI Section 5)**

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**Fire extinguishing media :** Dry chemical or foam closed containers may burst if exposed to extreme heat or fire.

**Fire fighting procedures :** Water may be used to cool and protect exposed containers. Firefighters should use full protective clothing, eye protection, and self-contained breathing apparatus.

**Hazardous decomposition or combustion products :** Carbon monoxide, carbon dioxide, acrid fumes.

#### **ACCIDENTAL RELEASE MEASURES (ANSI Section 6)**

**Steps to be taken in case material is released or spilled :** Comply with all applicable health and environmental regulations. Ventilate area. Place collected material in proper container.

#### **HANDLING AND STORAGE (ANSI Section 7)**

**Handling and storage :** Store below 100f (38c). Keep from freezing.

**Other precautions :** Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes, and breathing of vapors. Wash hands thoroughly after handling, especially before eating or smoking. Keep containers tightly closed and upright when not in use.

#### **EXPOSURE CONTROLS/PERSONAL PROTECTION (ANSI Section 8)**

**Respiratory protection :** Control environmental concentrations below applicable exposure standards when using this material. When respiratory protection is determined to be necessary, use a NIOSH/MSHA (Canadian z94.4) Approved elastomeric sealing- surface facepiece respirator outfitted with organic vapor cartridges and paint spray (dust/mist) prefilters. Determine the proper level of protection by conducting appropriate air monitoring. Consult 29CFR1910.134 For selection of respirators (Canadian z94.4).

**Ventilation :** Provide dilution ventilation or local exhaust to prevent build-up of vapors.

**Personal protective equipment :** Eye wash, safety shower, safety glasses or goggles. Impervious gloves, impervious clothing.

#### **STABILITY AND REACTIVITY (ANSI Section 10)**

**Under normal conditions :** Stable see section 5 fire fighting measures

**Materials to avoid :** Styrene monomer.

**Conditions to avoid :** Freezing.

**Hazardous polymerization :** Will not occur

#### **TOXICOLOGICAL INFORMATION (ANSI Section 11)**

**Supplemental health information :** No additional effects are anticipated

**Carcinogenicity :** The international agency for research on cancer (IARC) has classified cobalt and certain cobalt compounds as possibly carcinogenic to humans (group 2b). Injection of metallic cobalt, cobalt alloys, and certain cobalt compounds has resulted in the development of localized tumors in laboratory animals. In a 2-year inhalation bioassay conducted by the national toxicology program (NTP), ethylene glycol butyl ether (egbe)

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caused an increased incidence of liver tumors in male mice and forestomach tumors in female mice exposed to 250 ppm, the highest concentration tested with mice. In rats, an increased incidence of tumors affecting the adrenal gland was seen in females exposed at 125 ppm only. This finding was not statistically significant. No increased incidence of any tumor type was seen in male rats exposed to the highest test concentration of 125ppm. The relevance of these findings to humans is unclear. In a lifetime inhalation study, exposure to 250 mg/m3 titanium dioxide resulted in the development of lung tumors in rats. These tumors occurred only at dust levels that overwhelmed the animals' lung clearance mechanisms and were different from common human lung tumors in both type and location. The relevance of these findings to humans is unknown but questionable. The international agency for research on cancer (IARC) has classified titanium dioxide as possibly carcinogenic to humans (group 2b) based on inadequate evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

**Reproductive effects :** No reproductive effects are anticipated

**Mutagenicity :** No mutagenic effects are anticipated

**Teratogenicity :** No teratogenic effects are anticipated

**ECOLOGICAL INFORMATION (ANSI Section 12)**

No ecological testing has been done by ICI paints on this product as a whole.

**DISPOSAL CONSIDERATIONS (ANSI Section 13)**

**Waste disposal :** Dispose in accordance with all applicable regulations.

**REGULATORY INFORMATION (ANSI Section 15)**

As of the date of this MSDS, all of the components in this product are listed (or are otherwise exempt from listing) on the TSCA inventory. This product has been classified in accordance with the hazard criteria of the CPR (controlled products regulations) and the MSDS contains all the information required by the CPR.

**Physical Data (ANSI Sections 1, 9, and 14)**

Product Code	Description	Wt./Gal.	VOC gr./ltr.	% Volatile by Volume	Flash Point	Boiling Range	HMIS	DOT, proper shipping name
1508-0110	Dulux Ultra Advanced Oil Gloss Interior/Exterior Enamel - White tint base	10.92	31.02	60.66	None	212-212	*310	paint **protect from freesing**
1508-0300	Dulux Ultra Advanced Oil Gloss Interior/Exterior Enamel - Intermediate tint base	9.84	32.53	65.82	None	212-212	*310	paint **protect from freesing**
1508-0400	Dulux Ultra Advanced Oil Gloss Interior/Exterior Enamel - Deep tint base	8.82	43.99	70.31	None	212-212	*310	paint **protect from freesing**
1508-0500	Dulux Ultra Advanced Oil Eggshell Interior/Exterior Enamel - Accent tint base	8.65	42.21	70.62	None	212-212	*310	paint **protect from freesing**

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**Ingredients Product Codes with % by Weight (ANSI Section 2)**

Chemical Name	Common Name	CAS. No.	1508-0110	1508-0300	1508-0400	1508-0500
ethanol, 2-butoxy-	2-butoxyethanol	111-76-2			.1-1.0	
kaolin	clay	1332-58-7	1-5	1-5		1-5
titanium oxide	titanium oxide	13463-67-7	20-30	10-20	1-5	
aluminum hydroxide	aluminum hydroxide	21645-51-2	1-5			
neodecanoic acid, cobalt salt	cobalt neodecanoate	27253-31-2	.1-1.0	.1-1.0	.1-1.0	.1-1.0
silica	amorphous silica	7631-86-9	1-5			
water	water	7732-18-5	40-50	50-60	60-70	60-70
trade secret	trade secret	Sup. Conf.	1-5			
alkyd resin	alkyd resin	Sup. Conf.	10-20	20-30	20-30	20-30

**Chemical Hazard Data (ANSI Sections 2, 8, 11, and 15)**

Common Name	CAS. No.	ACGIH-TLV				OSHA-PEL				S.R. Std.	S2	S3	CC	H	M	N	I	O
		8-Hour TWA	STEL	C	S	8-Hour TWA	STEL	C	S									
2-butoxyethanol	111-76-2	20 ppm	not est.	not est.	not est.	50 ppm	not est.	not est.	y	not est.	n	y	n	n	n	n	n	n
clay	1332-58-7	2 mg/m3	not est.	not est.	not est.	5 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
titanium dioxide	13463-67-7	10 mg/m3	not est.	not est.	not est.	10 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	y	y	n
aluminum hydroxide	21645-51-2	10 mg/m3	not est.	not est.	not est.	5 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
cobalt neodecanoate	27253-31-2	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	y	n	y	n	n	y	n
amorphous silica	7631-86-9	10 mg/m3	not est.	not est.	not est.	6 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
trade secret	Sup. Conf.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n

**Footnotes:**

H=Hazardous air Pollutant, M=Marine Pollutant  
 C=Ceiling – Concentration that Should not be exceeded, Even instantaneously.  
 ppm=parts per million  
 mg/m3=millions per cubic meter  
 Sup Conf=Supplier Confidential  
 S=Skin – Additional exposure, over and above airborne exposure may result from skin absorption  
 S2=Sara Section 302EHS  
 S3=Sara Section 313 Chemical  
 n/a=not applicable  
 not est=not established  
 CC=CERCLA Chemical  
 P=Pollutant, S=Severe Pollutant  
 Carcinogenicity Listed By:  
 S.R.Std.=Supplier Recommended Standard  
 N=NTP, I=IARC, O=OSHA, y=yes, n=no

Type of Regulated Paint under the Air Pollution Control (Volatile Organic Compounds) Regulation of Hong Kong: [Quick dry enamels]

香港空氣污染管制(揮發性有機化合物)條例下受規管漆料的類別: [快乾磁漆]

VOC content (ready to use) = 43.99 gm/litre  
 揮發性有機化合物含量(即用狀態) = 43.99 克/公升

Akzo Nobel Swire Paints in HK is part of Akzo Nobel and a member of the Akzo Nobel Paints World Group.

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