



Test Report


OCEAN PLASTICS CO., LTD.
5F, 310, CHUKWANG ROAD TAIPEI TAIWAN R. O. C.

Report No : CE/2005/A1445
Date : 2005/10/17
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The following merchandise was (were) submitted and identified by the client as :

<u>Type of Product</u>	:	PVC SHEET
<u>Style/Item No</u>	:	1D3580*0.1mm*48PHR
<u>Buyer/Order No</u>	:	ON5-5592-1
<u>Sample Received</u>	:	2005/10/07
<u>Testing Date</u>	:	2005/10/07 TO 2005/10/17

Conclusion : The test results of Pb, Cd, Hg, Cr+6, PBB and PBDE for the submitted sample comply with the requirements of RoHS (2002/95/EC).


Daniel Yeh, M.R. / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.

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TEL: 2380383



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PASS

Test Item (s):	Unit	Method	MDL	Result	Limit of ROHS
				No.1	
Chromium VI (Cr+6)	ppm	UV-VIS after reference to US EPA 3060A.	2	N.D.	1000
Cadmium (Cd)	ppm	ICP-AES after reference to EN 1122, method B:2001 or other acid digestion.	2	26.4	100
Mercury (Hg)	ppm	ICP-AES after reference to US EPA 3052 or other acid digestion	2	N.D.	1000
Lead (Pb)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion	2	N.D.	1000

NOTE: (1) N.D. = Not detected (<MDL)
 (2) ppm = mg/kg
 (3) MDL = Method Detection Limit
 (4) "-" = No Regulation

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1-2380385

Material Safety Data Sheet

Section I Manufacturer/Supplier Information

Manufacture/Supplier name	PLASTIC FILM CORP./OCEAN PLASTICS
Manufacture/Supplier address :	City/Taipei Hsien Taiwan, R.O.C.
Emergency contact phone No. :	(02)22234134
Fax :	(02)22234140

Section II Identification Data

Product name : PVC film	
Synonyms : rigid PVC film (HXX) or flexible film (FXX)	
Chemical name	Polyvinyl chloride film
Chemical formula	Rigid/PVC resin and additive
	Flexible/PVC resin , plasticizer and additive

Section III Physical And Chemical Properties

Physical state	solid	PH	n/a
Bolling point °C	n/a	Specific gruvity	1.20~1.50
Vapor density	n/a	Vaper pressure	n/a
Evaporation rate	n/a	Solubility in water	Insoluble
Appearance	Solid plastic sheet or film		
Odor	Slight characteristic odor		

** n/a : no applicable data

Section IV Fire And Explosion Information

Flash point		n/a
Explosion limits		Lower Explosion limit(LEL): n/a
		Upper Explosion limit(UEL): n/a
Fire	Fire fighting agent	Water,foam or dry chemical
	Special fire fighting procedures	Wear full protective equipment and with self-contained breathing apparatus , unidentified products of hydrocarbon monooxide and hydrogen chloride will be released under extreme heat condition (decomposition)

Section V Reactivity Data

Stability	Stable
Hazardous polymerization	Will not occur
Incompatibility	None
Condition to avoid hazardous decomposition	Open flame or extreme heating

Section VI Health Hazards And First Aid Measures

*** Under Traditional Handling

Route of entering human body : ingestion		
Effects of exposure	Acute	No adverse effects
	Chronic	
Symptom and signs of exposure		No adverse effects
Emergency response and first aid measures		If gastroenteritis symptoms develop consult a physician (ingestion)

*****For Exposure To Products Of Combustion Or High Temperature
Decomposition**

Route of entering human body	inhalation, skin contact	
Effects of exposure	Acute	Irritation of the eyes , nose , throat and upper respiratory tract
	Chronic	
Symptoms and signs of exposure	Cough	
Emergence and first aid measures	Skin	Flush skin with soap and cool water
	Eyes	Flush eyes with water <i>Seek medical attention</i>
	Inhalation	Remove to fresh air if breathing is difficult administer oxygen. if respiration stops, give mouth-to-mouth resuscitation. <i>Seek medical attention.</i>

Section VII Measures To Prevent Exposure

Personal protective equipment	Eyes	Safety glasses with side shields are recommended during crushing and cutting film
	Respiratory	Not necessary for routine handling
	Gloves	Use heavy cotton gloves when cutting film by hand
Ventilation	Necessary during heating of material	
Special protection	Store away from easily ignited chemicals , materials and open flames	

Section VIII Response To Spills And Waste Disposal

Emergency response to spills	Solid sheeting no spills problem
Waste disposal methods	Recommend crushing and recycle