

MATERIAL SAFETY DATA SHEET

DATE PREPARED: February 18, 2004
MSDS NO.: SC-039

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION				
PRODUCT NAME: "SUMILITE" CSL-Z4111				
CHEMICAL FAMILY: Laminated Film				
MANUFACTURER: SUMITOMO BAKELITE CO., LTD. Tennoz park side Building, 2-5-8 Higashishinagawa, Shinagawa-ku, Tokyo Japan 140-0002 Phone (03) 5462-4059				
EMERGENCY ASSISTANCE:				
NAME & EMERGENCY TELEPHONE NUMBER			ADDRESS	
QUALITY ASSURANCE DEPT. AMAGASAKI PLANT SUMITOMO BAKELITE CO., LTD. (06) 6429-6949 JAPAN			2-3-47, Higashi-tukaguti-cho, Amagasaki-shi, HYOGO, 661, JAPAN	
2. COMPOSITION/INFORMATION ON INGREDIENTS				
		Exposure Guidelines		
Components	(CAS No.)	wt%	TLV-TWA (ACGIH) (mg/m ³)	PEL (OSHA) (mg/m ³)
Polyethylene Terephthalate	(25038-59-9)	40-60	Not Listed	Not Listed
Polyethylene	(9002-88-4)	30-50	Not Listed	Not Listed
Polystyrene	(9003-53-6)	5-10	Not Listed	Not Listed
3. HAZARDS IDENTIFICATION				
*** EMERGENCY OVERVIEW ***				
Slightly whitish transparent tape. Odorless.				
Not a fire hazard in open areas.				
Water fog, foam, CO ₂ and dry chemicals can be used on fires.				

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POTENTIAL HEALTH EFFECTS:

EYE : Solid or dusts may cause irritation or corneal injury due to mechanical action.

SKIN : Skin absorption is unlikely due to physical properties. Mechanical injury only.

INHALATION : Single exposure to dust is not likely to be hazardous. Vapors are unlikely due to physical properties.

INGESTION : Ingestion is unlikely due to proper industrial handling.

CHRONIC EFFECTS/CARCINOGENICITY: Not listed on NTP, OSHA and IARC.

4. FIRST AID MEASURES

EYE : Immediately flush with copious amounts of water for at least 15 minutes. Get medical attention.

SKIN : Not to have met any hazardous category.

INHALATION : No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

INGESTION : No adverse effects anticipated by this route of exposure.

NOTE TO PHYSICIANS: Treat symptomatically. Treatment may vary with condition of victim and specifics of incident.

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5. FIRE FIGHTING MEASURES	
<u>FLAMMABLE PROPERTIES:</u>	
FLASH POINT:	None (METHOD USED: Not applicable)
FLAMMABLE LIMITS:	(LFL: Not applicable, UFL: Not applicable)
<u>EXTINGUISHING MEDIA:</u>	Water fog, foam, CO ₂ , and dry chemicals.
<u>FIRE & EXPLOSION HAZARDS:</u>	Hazardous decomposition products are CO ₂ and slightly CO and various hydrocarbons.
<u>FIRE FIGHTING EQUIPMENT:</u>	Firefighters should wear proper protective equipment.
6. ACCIDENTAL RELEASE MEASURES	
Sweep up and discard.	
7. HANDLING AND STORAGE	
<u>HANDLING:</u>	Caution with edge of sheet. After using these sheets, wash hands.
<u>STORAGE:</u>	Keep dry and cool (below 25° C) and away from direct sunlight for quality.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
<u>ENGINEERING CONTROLS:</u>	Good general ventilation should be sufficient for most conditions. When processing at elevated temperature, provide local exhaust.
<u>PERSONAL PROTECTIVE EQUIPMENT (PPE):</u>	
<u>RESPIRATORY PROTECTION:</u>	For most conditions, no respiratory protection should be needed. When processing at elevated temperature, use an approved respiratory protection.

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EYE PROTECTION:	Wear safety glasses with side shields.
SKIN PROTECTION:	Wear clean body-covering clothing and rubber gloves.
EXPOSURE GUIDELINES:	Not established for "SUMILITE" CSL-Z4111. See to Section 2 for component exposure guidelines.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE.....: Slightly whitish transparent tape.
ODOR.....: Odorless.
BOILING POINT.....: Not applicable.
VAPOR PRESSURE.....: Not applicable.
VAPOR DENSITY.....: Not applicable.
SOLUBILITY IN WATER.....: Insoluble.
SPECIFIC GRAVITY.....: 0.9-1.1 (23°C).
SOFTENING POINT.....: Not available

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: (CONDITIONS TO AVOID)

Stable

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID)

No information available.

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition will produce mainly CO₂, and slightly CO, and various hydrocarbons.

HAZARDOUS POLYMERIZATION:

Will not occur.

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11. TOXICOLOGICAL INFORMATION No information available.
12. ECOLOGICAL INFORMATION No information available.
13. DISPOSAL CONSIDERATIONS Dispose of materials in compliance with governmental regulations.
14. TRANSPORT INFORMATION Not a hazardous material for DOT shipping.
15. REGULATORY INFORMATION <u>TOXIC SUBSTANCES CONTROL ACT (TSCA):</u> The ingredients of this product are all on the 8(b) inventory list.
16. OTHER INFORMATION No specific notes.

DATA PREPARED BY: T.Ushirogata QA Director and I.Matsui QA Staff Manager QUALITY ASSURANCE DEPT. AMAGASAKI PLANT SUMITOMO BAKELITE CO., LTD.

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