

SAFETY DATA SHEET

PRODUCT NAME : "SUMIRESIN EXCEL" CRC-8650
MSDS NO. : MSDS-CRC-095
DATE PREPARED : Mar.27,2002 according to 93/112

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : "SUMIRESIN EXCEL" CRC-8650
CHEMICAL NATURE: Preparation. Polyamide Resin
MANUFACTURER : SUMITOMO BAKELITE CO.,LTD.
Tennoz Parkside Bldg., 5-8, Higashi-Shinagawa 2-chome, Shinagawa-ku,
Tokyo 140-0002, Japan
Phone:81-3-5462-4037
SUPPLIER : SUMITOMO BAKELITE CO.,LTD.
Tennoz Parkside Bldg., 5-8, Higashi-Shinagawa 2-chome, Shinagawa-ku,
Tokyo 140-0002, Japan
Phone:81-3-5462-4037

EMERGENCY ASSISTANCE : (Please contact any of following sales offices)

NAME & EMERGENCY PHONE NUMBER	ADDRESS
Sumitomo Plastics America, Inc. Phone 408-243-8402 (USA)	900 Lafayette Street, SUITE #510 Santa Clara, CA 95050
Sumitomo Bakelite Singapore Pte, Ltd. Phone 65-755-5550 (Singapore)	1 Senoko South Road, Singapore 758069
Sumitomo Bakelite Europe B.V. Phone 020-691-10-86 (The Netherlands)	New Amsterdam Building Hoekenrode 2, 1102 BR Amsterdam
CHEMTREC Phone 800-424-9300 (USA)	24 hours everyday

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS No.	by weight (%)
Polyamide Resin	Trade secret	25~40
γ -Butyrolactone	96-48-0	50~70
Diazonaphthoquinone	Trade secret	5~10

Labeling according to EC directives:

Hazardous components: none

Hazard symbol : No symbol and risk phrases are required.

Risk phrases : none

Safety phrase : none

3. HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***

Red Brownish liquid with slightly odor.

Repeated contact may cause skin irritation and sensitization.

Can burn in fire but not ordinarily an emergency problem.

Foam, carbon dioxide and dry chemicals can be used on fires.

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POTENTIAL HEALTH EFFECTS	
EYE :	May cause irritating to eyes.
SKIN :	May cause sensitization by skin contact.
INGESTION :	Small amounts (teaspoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts are larger than that may cause injury.
INHALATION :	Heated product may produce generate vapors. May be harmful for respiratory tract if inhaled.
4.FIRST-AID MEASURES	
INHALATION :	Immediately remove the victim from the contamination to fresh air.
SKIN CONTACT :	Wash off thoroughly the affected areas under flowing water or shower with soap. If irritation occurs, get medical attention.
EYE CONTACT :	Immediately flush eyes with large amounts of water at Gently rinse the minutes. Get medical attention.
INGESTION :	Do not induce vomiting. Rinse mouth with plenty water and immediately give the victim milk or water. Get medical attention.
NOTE TO PHYSICIANS :	Treat symptomatically. Treatment may vary with condition of victim and specifics of incident.
5.FIRE-FIGHTING MEASURES	
EXTINGUISHING MEDIA :	Use foam, carbon dioxide, and dry chemical powder.
PROTECTION OF FIREFIGHTERS :	Wear full bunker gear inducing positive self-contained breathing apparatus in any closed space.
6.ACCIDENTAL RELEASE MEASURES	
PERSONAL PRECAUTION :	Use personal protective equipments.
ENVIRONMENTAL PRECAUTIONS :	Do not flush into surface water or sanitary sewer system.
METHODS FOR CLEANING UP :	Ventilate spilled area.Remove all sources. Take up with absorbent,inert material (e.g.paper towel,sand) with suitable protective equipment and place in suitable, closed impervious container.
7.HANDLING AND STORAGE	
HANDLING :	Use with adequate ventilation.Keep away from heat, sparks and open flames. Avoid contact with eyes and skin,and avoid breathing of vapor if generated. Practice good personal hygiene after using this material, especially before eating, drinking smoking or using the toilet.
STORAGE :	Keep container tightly closed in a below -15 degC, well-ventilated dark place for quality separate from strong oxidents, and protect from direct sunlight.

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8.EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS :	EXPOSURE GUIDELINES(mg/m ³)	
	ACGIH(TLV-TWA)	OSHA(PEL)
COMPONENT		
Polyamide Resin	Not listed	Not listed
γ -Butyrolactone	Not listed	Not listed
Diazonaphtoquinone	Not listed	Not listed

ENGINEERING MEASURES :

Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines. Good general ventilation should be sufficient for most conditions. When processing at elevated temperature, provide local exhaust ventilation.

PERSONAL PROTECTIVE EQUIPMENTS :

Respiratory protection - Wear an approved respirator to protect from vapors or fume.
Hand protection - Chemical-resistant gloves.
Eye protection - Chemical splash goggles or safety glass with side-shields.
Skin & body protection - Clean clothing, long sleeves, apron, full-face cover or legs-covering clothing as appropriate.

9.PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Red Brownish liquid
ODOR : Slight odor
BOILING POINT : 203 degC (γ -Butyrolactone)
DECOMPOSITION TEMPERATURE : No information available.
FLASH POINT : 98degC (γ -Butyrolactone)(METHOD USED : Opened cup
FLAMMABLE LIMITS : LFL : 3.6 vol%, UFL : 16 vol% (γ -Butyrolactone)
VAPOR PRESSURE : 1.5hPa at 20degC (γ -Butyrolactone)
VAPOR DENSITY : 3.0 (γ -Butyrolactone)
SPECIFIC GRAVITY : 1.1-1.3
SOLUBILITY : γ -Butyrolactone is freely miscible with water.

10.STABILITY AND REACTIVITY

STABILITY : Stable under recommended storage conditions.
CONDITIONS TO AVOID :
Keep away from heat, open flame, sparks and sunlight for quality.
MATERIALS TO AVOID :
Strong acids, alkali and oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS :
Mainly : Carbon dioxide and oxides of nitrogen.
Slightly : Carbon monoxide, oxide of nitrogen, oxides of sulfur, fluorine compounds and various hydrocarbons.(over 300degC)

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16.OTHER INFORMATION

DISCLAIMER : The information presented herein was prepared for your reference to be best of our knowledge. It is given in good faith but no warranty expressed or implied is made.

DATA PREPARED BY :
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UTSUNOMIYA PLANT
SUMITOMO BAKELITE CO.,LTD.
