



Payal Polyplast Pvt. Ltd.

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ISO 9001:2001 & ISO 14001:2004
Certified Company

SECTION I. MATERIAL IDENTIFICATION & USE

MATERIAL NAME	DI-BUTYL-MALEATE
MANUFACTURER'S NAME & ADDRESS	PAYAL POLYMERS PVT LTD PLOT NO-87,88,102 & 103, PANCHAL UDYOG NAGAR BHIMPORE, DAMAN- 396210
SUPPLIER'S NAME & ADDRESS	PAYAL POLYMERS PVT LTD PLOT NO-87,88,102 & 103, PANCHAL UDYOG NAGAR BHIMPORE, DAMAN- 396210
CHEMICAL NAME: DI-BUTYL-MALEATE	CHEMICAL IDENTITY- $C_{12}H_{20}O_4$
TRADE NAME: DBM	MOLECULAR WEIGHT-228.29
& SYNONYMS: Maleic acid dibutyl ester	PRODUCT USE PLASTICIZER FOR RESINS & ELASTOMERS

SECTION II. HAZARDOUS INGREDIENTS OF MATERIAL

NAME	% CONC	CAS NO	UN NO	LD 50	LC 50
DI-BUTYL-MALEATE	99	105-76-0	DNA	DNA	DNA

SECTION III. PHYSICAL DATA FOR MATERIAL

STATE	LIQUID	APPEARANCE	CLEAR
ODOUR	ESTER LIKE	SPECIFIC GRAVITY	0.996
ODOUR THRESHOLD	MILD ESTER LIKE	VAPOUR PRESSURE	< 1 hPa @20 °C
BOILING POINT (30 mbar)	163-166 °C	VAPOUR DENSITY	7.9
MELT, FREEZING POINT	-50° C	EVAPORATIONAL RATE	NO DATA AVAILABLE
p ^H	Not available.	SOLUBILITY IN WATER	Insoluble
COEFFICIENT OF WATER/OIL DISTRIBUTION	Data not available	BULK DENSITY	

SECTION IV. FIRE AND EXPLOSION HAZARD

FLAMMABILITY CLASS		SPECIAL PROCEDURE	USE FOAM
MEANS TO EXTINGUISH	Foam; Dry powder; CO ₂ ;	LOWER EXPLOSIVE LIMIT	DNA
FLASH POINT(by method)	120° C	UPPER EXPLOSIVE LIMIT	DNA
AUTO IGNITION TEMP	280° C	NFPA CLASSIFICATION	DNA
HAZARDIOUS COMBUSTION		TDG CLASSIFICATION	No information available
PRODUCT	(CO). &(CO ₂);	SENSITIVITY TO STATIC DISCHARGE	NOT KNOWN
MECHANICAL IMPACT SENSITIVITY	NIH		

SECTION V. REACTIVITY DATA

CHEMICAL STABILITY	STABLE AT NORMAL TEMP & PRESSURE
INCOMPATIBLE SUBSTANCE	Strong oxidizing agents, strong bases
REACTIVITY CONDITION	AT BOILING POINT
HAZARDOUS DECOMPOSITION PRODUCT	OXIDE OF CARBON WHEN BURNED.

SECTION VI. TOXICOLOGICAL PROBLEMS

SKIN CONTACT	IRRITATION DERMATITIS
SKIN ABSORPTION	NIL
EYE CONTACT	MILDLY IRRITATION
INHALATION	UNPLEASANT
INGESTION	SLIGHTLY HAZARDOUS
IRRITANCY	SLIGHT SENSATION TO VULNERABLE SKIN
SENSITISATION TO MATERIAL	CARCINOGENIC EFFECT
SYNERGISTIC MATERIAL	SOLVENT

SECTION VII. PREVENTIVE MEASURES

PROTECTIVE EQUIPMENTS	CHEMICAL RESISTANT GLOVES
ENGINEERING CONTROL	CHARGING MECHANICALLY
LEAK OR SPILL PROCEDURE	ABSORB ON DRY SAND
WASTE CONTROL PROCEDURE	SAND OR EARTHEN BOUNDS
HANDLING & STORAGE	STORE IN LEAK PROOF CONTAINER AND TRANSFER THROUGH PIPELINE
SPECIAL SHIPPING INFORMATION	Data not available

SECTION VIII. FIRST AID MEASURE

1. INHALATION: Remove from exposure immediately. Use a bag value mask to perform artificial respiration (rescue breathing) if needed, get medical attention.
2. SKIN CONTACT: Remove contaminated clothing, jewelry and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes.)
3. EYE CONTACT: Rinse eyes immediately with large amount of water or normal saline.
4. INHALATION : If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention, if needed.