INSTAPAK

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Instapak Division, Sealed Air Corporation	EMERGENCY TELEPHONE NO. 203-792-2360
ADDRESS (Number, Street, City, State, and ZIP Code) Old Sherman Turnpike, Danbury, CT 06810	
CHEMICAL NAME AND SYNONYMS Diphenyl Methane Diisocyanate	TRADE NAME AND SYNONYMS Instapak Component A 40
CHEMICAL FAMILY Polymeric Isocyanate	FORMULA

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES		%	TLV (Units)
Diphenylmethane diisocyanate	Approx.	50	.02ppm
Higher polymers of similar structure	Approx.	50	not established

SECTION III - PHYSICAL DATA

BOILING POINT (°F.) at 5mm Hg	208°C	SPECIFIC GRAVITY (H_2O=1)	1.24
VAPOR PRESSURE (mm Hg.) at 25°C.	<.0001	PERCENT, VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____=1)	
SOLUBILITY IN WATER	Insol.		
APPEARANCE AND ODOR	Brown viscous liquid, slightly aromatic odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) 213°C. (C.O.C.)	FLAMMABLE LIMITS Fire Point 232°C.

EXTINGUISHING MEDIA
CO_2, dry chemical, chemical foam or water fog

SPECIAL FIRE FIGHTING PROCEDURES
Provide usual firemans' protective clothing plus self-contained breathing apparatus to protect from product vapors.

UNUSUAL FIRE AND EXPLOSION HAZARDS

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
0ppm for Diphenylmethane diisocyanate

EFFECTS OF OVEREXPOSURE
Irritation of mucous membrane, tightness of chest, irritation of respiratory tract, coughing, headache and shortness of breath. Repeated over-exposure can lead to allergenic sensitivity.

EMERGENCY AND FIRST AID PROCEDURES
Skin - wash with soap & water for at least 5 min. Eyes - wash with large amounts of water for at least 15 min., consult eye physician. Internal - consult physician. Inhalation - remove to uncontaminated area; administer oxygen, if neccessary, consult physician.

SECTION VI - REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		Avoid temperature below 32°F. (causes crystallation)
	STABLE	X	or above 120°F. (causes slow increase in viscosity)

INCOMPATABILITY (Materials to avoid)
Avoid contact with water, alcohols, strong bases, metal compounds, surface active agents

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR	X	Avoid contact with moisture or other
	WILL NOT OCCUR		materials that react with isocyanates.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Absorb in sawdust or sweeping compound; remove from area in open drums and wet with water containing about 1% ammonia before disposal.

WASTE DISPOSAL METHOD
In accordance with environmental consideration and control regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Canister-type gas masks for organic vapors, masks supplied from external air source or self-contained breathing apparatus

VENTILATION			
	LOCAL EXHAUST	To maintain vapor concentration below TLV	SPECIAL
	MECHANICAL (General)		OTHER

PROTECTIVE GLOVES	EYE PROTECTION
Chemically resistant	Safety goggles

OTHER PROTECTIVE EQUIPMENT
Safety showers and eye wash stations should be available.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
This isocyanate should be protected from humid air and should be stored at 20-110°F. Before using, containers should be brought within the range of 60-90°F.