

Material Safety Data Sheet		U.S. Department of Labor		
May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.		Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072		
IDENTITY (as Used on Label and List) Material Grade 405		Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.		
Section I				
Manufacturer's name		Emergency Telephone Number 800-537.9527		
Roppe Corporation		Telephone Number for Information 800.537.9527		
1602 N. Union Street		Date Prepared 10-Nov-08		
Fostoria, OH 44830		Signature of Preparer (optional)		
Section II—Hazardous Ingredients/Identity Information				
Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Methylene bisphenyl isocyanate (101-68-8) <10%		0.02ppm	0.005ppm	E. E. C
Synonyms: MDI, 4,4 Diphenylmethane diisocyanate		ceiling	TWA	harmful
Note: During Manufacture of Amorim rubber flooring, the MDI is reacted with a catalyst and should not be present in the final product				
Ground rubber containing >90%				
Napthenic / aromatic oil (64742-01-04) <25%		6mg/m ³	3mg/m ³	
Carbon black (133-86-4) <35%		3.5mg/m ³	3.5mg/m ³	
Talc, respirable dust (14807-96-6) <5%		2.0mg/m ³	2.0mg/m ³	
Zinc compound (1314-13-2) <3%		10mg/m ³	10mg/m ³	
Section III—Physical/Chemical Characteristics				
Boiling Point N/A		Specific Gravity (H ₂ O = 1) 1.04-1.20		
Vapor Pressure (mm Hg) N/A		Melting Point N/A		
Vapor Density (AIR = 1) N/A		Evaporation Rate (Butyl Acetate = 1) N/A		
Solubility in Water INSOLUBLE				
Appearance and Odor BLACK WITH SPECKELD COLOR SHEET OR ROLL GOOD(S) WITH A SLIGHT ODOR OF VULCANIZED RUBBER.				
Section IV—Fire and Explosion Hazard Data				

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media WATER, FOAM, DRY POWDER, WATER FOG			
Special Fire Fighting Procedure DO NOT USE HIGH PRESSURE WATER			
Unusual Fire and Explosion Hazards HEAVY SMOKE AND NOXIOUS GASES MAY BE FORMED UNDER FIRE CONDITIONS USE NIOSH APPROVED BREATHING EQUIPMENT.			
(Reproduce locally) OSHA 174 Sept. 1985			

Section V—Reactivity Data			
Stability	Unstable		Conditions to Avoid
	Stable	X	N/A
Incompatibility (<i>Materials to Avoid</i>) N/A			
Hazardous Decomposition or Byproducts THERMAL- DECOMPOSITOIN MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE, ZINC FUMES, SULFUR DIOXIDE, LIQUID & GASEOUS HYDROCARBONS.			
Hazardous Polymerization	May Occur		Conditions to Avoid DON'T STORE NEAR FIRE OR FLAME HOT MATERIAL STORE IN HJPPERS CAN SPONTANEOUSLY COMBUST
	Will Not Occur	X	
Section VI—Health Hazard Data			
Route(s) of Entry	Inhalation? YES	Skin? YES	Ingestion? N/A
Health Hazards (<i>Acute and Chronic</i>)			
MACHINING OR CUTTING THE MATERIAL MAY GENERATE DUST WHICH MAY BE IRRITATING TO THE RESPIRATORY TRACT.			
Carcinogenicity	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
Signs and Symptoms of Exposure SKIN ITCHING, IRRITATION OF MUCOUS MEMBRANES, EYE IRRITATION			
Medical Conditions Generally Aggravated by Exposure COULD POTENTIALLY AGGRAVATE ALLERGIES, DUE TO DUST EXPOSURE AND / OR INHALATION IF MACHINE CUTTING			
Emergency and First Aid Procedures WASH WITH SOAP AND WATER, ORDINARY METHODS OF PERSONAL HYGIENE ARE APPROPRIATE.			
Section VII—Precautions for Safe Handling and Use			
Steps to Be Taken in Case Material Is Released or Spilled SWEEP OR VACUUM INTO DISPOSAL CONTAINERS			
Waste Disposal Method DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUATIONS			
Precautions to Be Taken in Handling and Storing DO NOT STORE NEAR FIRE, FLAME, OR AN IGNITION			
Other Precautions N/A			
Section VII—Control Measures			
Respiratory Protection (<i>Specify Type</i>) USE DUST RESPIRATOR FOR PARTICLE SIZE PICK UP TO 10MG/M³			

Ventilation	Local Exhaust YES	Special N/A
	Mechanical (<i>General</i>) IF NECESSARY	Other N/A
Protective Gloves	RECOMMENDED	Eye Protection USE SAFETY GOGGLES IF MACHINING OR CUTTING
Other Protective Clothing or Equipment	N/A	
Work/Hygienic Practices	GOOD PERSONAL HYGIENE, FREQUENT WASHING WITH SOAP AND WATER OF EXPOSED AREAS. REMOVE AND CLEAN CONTAMINATED CLOTHING.	