PERMATEX INDUSTRIAL CORPORATION ROCKY HILL, CONNECTICUT 06067 ROCKY HILL, CONNECTICUT 06067 ROCKY HILL, CONNECTICUT 06067 ROCKY HILL, CONNECTICUT 06067 MATERIAL SAFETY DATA SHEET Page 01 of 05 Form-A-Gasket(R) #2 Sealant 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION Product Name: FORM-A-Gasket(R) #2 Sealant Item NO.: COMPOSITION, INFORMATION ON INGREDIENTS Ingredients CAS NO. % Clay Rosin Rosin Rosin Soybean derivative CAS NO. % Clay Rosin Ingredients which have exposure limits Exposure Limits (TWA) Ingredients (TWA) Clay Rogen derivative Clay ACGIH Ingredients (STEL) SOPROPYL ALCOHOL SOPO PT SOPROPYL ALCOHOL SOPO PT SOPROPYL ALCOHOL SOPO PT SOPROPYL ALCOHOL SOO PPT SOPROPYL ALCOHOL SOO PPT SOO PPT SOPROPYL ALCOHOL SOO PPT SOO PPT SOPROPYL ALCOHOL SOO PPT SOO PPT		CH2C			
Form-A-Gasket(R) #2 Sealant 80011 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION Product Name: Form-A-Gasket(R) #2 Sealant Item No.: 80011 Part No.: 2C Product Type: Sealant 2. COMPOSITION, INFORMATION ON INGREDIENTS Ingredients CAS No. (lay 1332-58-7 Sold Bar Sealant 2. COMPOSITION, INFORMATION ON INGREDIENTS Ingredients CAS No. (lay 1332-58-7 Sold Bar Sealant 50-55 Sold Bar Sealant 50-55 Ingredients CAS No. Ingredients 68187-84-8 15-20 ISOPROPYL ALCOHOL 67-63-0 10-15 Soybean derivative 8002-43-5 1-3 Ingredients which have exposure limits Exposure Limits (TWA) ACGIH OSHA Ingredients (TLV) (PEL) None 5 mg/m3 respir. ISOPROPYL ALCOHOL 400 ppm TWA 400 ppm TWA 900 mg/m3 None 983 mg/m3 980 mg/m3 1225 mg/m3 3. 1.MAZARDS IDENTIFIC	ROCKY HILL, CONNECTICUT 06067			07/02/97	
80011 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION Product Name: Form-A-Gasket(R) #2 Sealant Item No.: 2C Product Type: Sealant 2. COMPOSITION, INFORMATION ON INGREDIENTS Ingredients CAS No. % Clay 1332-58-7 Sobio-09-7 15-20 Vegetable oil 68187-84-8 1SOPROPYL ALCOHOL 67-63-0 Sobybean derivative 8002-43-5 Ingredients which have exposure limits Exposure Limits (TWA) ACGIH OSHA Ingredients (TLV) (PEL) Clay 2 mg/m3 dust 10 mg/m3 dust None SognorPYL ALCOHOL 400 ppm TWA 980 mg/m3 None Support Limits (STEL) ACGIH OSHA None Ingredients (TLV) (PEL) None ISOPROPYL ALCOHOL 500 ppm 200 ppm TWA 980 mg/m3 Support Limits (STEL) ACGIH OSHA OTHER Ingredients (TLV) (PEL) None Soposure Limits (STEL) ACGIH		MATERIAL SAFETY DATA SHEET		Page 01 of 05	
Product Name:Form-A-Gasket(R) #2 SealantProduct Name:80011Part No.:2CProduct Type:Sealant2. COMPOSITION, INFORMATION ON INGREDIENTSIngredientsCAS No.(Clay1332-58-7Soproprise50-55Rosin8050-09-715-20150PROPYL ALCOHOL150PROPYL ALCOHOL67-63-0100Privative8002-43-51ngredients(TLV)(PEL)0THERIngredients(TLV)(PEL)0THERSopsoure Limits (TWA)ACGIH100Privative983 mg/m3Sopropyl ALCOHOL400 ppm TWA983 mg/m3980 mg/m3Exposure Limits (STEL)ACGIH10SOPROPYL ALCOHOL500 ppm983 mg/m31225 mg/m33. HAZARDS IDENTIFICATIONToxicity:Eye irritant. Oral LD50 greater than 5000 mg/kg (estimated) Primary Routes of Entry:Signs and symptoms of Exposure:Vapor above TLV is irritating to eyes, nose and throat and can cause headache, dizziness, nausea.Existing Conditions10		t			
Item No.:80011 2CProduct Type:Sealant2. COMPOSITION, INFORMATION ON INGREDIENTSIngredientsCAS No.Clay1332-58-7Sopropy50-55Rosin8050-09-7Vegetable oil68187-84-8ISOPROPYL ALCOHOL67-63-01000000000000000000000000000000000000	1. CHEMICAL PRODUCT AND	COMPANY IDENTIFICATIO)N		
IngredientsCAS No.%Clay1332-58-750-55Rosin8050-09-715-20Vegetable oil68187-84-815-20ISOPROPYL ALCOHOL67-63-010-15Soybean derivative8002-43-51-3Ingredients which haveexposure limitsExposure Limits (TWA)ACGIHOSHAIngredients(TLV)(PEL)Clay2 mg/m3 dust10 mg/m3 dustISOPROPYL ALCOHOL400 ppm TWA400 ppm TWA983 mg/m3980 mg/m3Exposure Limits (STEL)ACGIHOSHAIngredients(TLV)(PEL)ISOPROPYL ALCOHOL500 ppm500 ppmIsopropyl ALCOHOL500 ppm500 ppm1230 mg/m31225 mg/m33. HAZARDS IDENTIFICATIONEye irritant. Oral LDS0 greater than 5000 mg/kg (estimated) Inhalation, ingestion, contact.Primary Routes of Entry: Signs and symptoms of Exposure:Eye irritant. Vapor above TLV is irritating to eyes, nose and throat and can cause headache, dizziness, nausea.Existing ConditionsFinal ation, contact.	Item No.: Part No.:	80011 2C			
Clay Rosin1332-58-7 8050-09-750-55 15-20 Vegetable oil 68187-84-850-55 15-20 10-15 Soybean derivativeIngredients which have Ingredientsexposure limitsExposure Limits (TWA) IngredientsACGIH (TLV)OSHA (PEL)Clay Sophenory LALCOHOL Ingredients2 mg/m3 dust 10 mg/m3 dust smg/m3 respir.OTHER other smg/m3 respir.ISOPROPYL ALCOHOL Sophenory LALCOHOL400 ppm TWA 983 mg/m3Mone 980 mg/m3Exposure Limits (STEL) IngredientsACGIH (TLV)OSHA (PEL)ISOPROPYL ALCOHOL500 ppm 1230 mg/m3None 980 mg/m3Sophenory LALCOHOL500 ppm 1230 mg/m3500 ppm 1225 mg/m33. HAZARDS IDENTIFICATIONEye irritant. Oral LD50 greater than 5000 mg/kg (estimated) Inhalation, ingestion, contact.Yapor above TLV is irritating to eyes, nose and throat and can cause headache, dizziness, nausea. Existing Conditions	2. COMPOSITION, INFORMATION ON INGREDIENTS				
Rosin8050-09-715-20Vegetable oil68187-84-815-20ISOPROPYL ALCOHOL67-63-010-15Soybean derivative8002-43-51-3Ingredients which haveexposure limitsExposure Limits (TWA)ACGIHOSHAOTHERIngredients(TLV)(PEL)Clay2 mg/m3 dust10 mg/m3 dustNoneSOPROPYL ALCOHOL400 ppm TWA400 ppm TWANone983 mg/m3980 mg/m3980 mg/m3Exposure Limits (STEL)ACGIHOSHAIngredients(TLV)(PEL)ISOPROPYL ALCOHOL500 ppm500 ppm1230 mg/m31225 mg/m33. HAZARDS IDENTIFICATIONInhalation, ingestion, contact.Toxicity:Eye irritant. oral LD50 greater than 5000 mg/kg (estimated) Inhalation, ingestion, contact.Primary Routes of Entry: Signs and symptoms of Exposure:Vapor above TLV is irritating to eyes, nose and throat and can cause headache, dizziness, nausea.Existing Conditions500	Ingredients	CAS No.	%		
Exposure Limits (TWA) IngredientsACGIH (TLV)OSHA (PEL)OTHERClay2 mg/m3 dust10 mg/m3 dust s mg/m3 respir.None 5 mg/m3 respir.ISOPROPYL ALCOHOL400 ppm TWA 983 mg/m3400 ppm TWA 980 mg/m3None 980 mg/m3Exposure Limits (STEL) IngredientsACGIH (TLV)OSHA 400 ppm TWA 980 mg/m3None 980 mg/m3ISOPROPYL ALCOHOLACGIH (TLV)OSHA (PEL)ISOPROPYL ALCOHOL500 ppm 1230 mg/m3500 ppm 1225 mg/m33. HAZARDS IDENTIFICATIONEye irritant. Oral LD50 greater than 5000 mg/kg (estimated) Inhalation, ingestion, contact.Primary Routes of Entry: signs and symptoms of Exposure:Eye irritant. Oral LD50 greater than 5000 mg/kg (estimated) Inhalation, ingestion, contact.Vapor above TLV is irritating to eyes, nose and throat and can cause headache, dizziness, nausea.Existing Conditions	Rosin Vegetable oil ISOPROPYL ALCOHOL	8050-09-7 68187-84-8 67-63-0	15-20 15-20 10-15		
Ingredients(TLV)(PEL)Clay2 mg/m3 dust10 mg/m3 dustNoneISOPROPYL ALCOHOL400 ppm TWA400 ppm TWANone983 mg/m3980 mg/m3980 mg/m3Exposure Limits (STEL)ACGIHOSHAIngredients(TLV)(PEL)ISOPROPYL ALCOHOL500 ppm500 ppm1230 mg/m31225 mg/m33. HAZARDS IDENTIFICATIONEye irritant. oral LD50 greater than 5000 mg/kg (estimated)Primary Routes of Entry: Signs and symptoms of Exposure:Eye irritant. vapor above TLV is irritating to eyes, nose and throat and can cause headache, dizziness, nausea.Existing ConditionsSource	Ingredients which have	exposure limits			
Sopropyl Alcohol5 mg/m3 respir. 400 ppm TWA 983 mg/m3Sone 980 mg/m3Exposure Limits (STEL) IngredientsACGIH (TLV)OSHA (PEL)ISOPROPYL ALCOHOL500 ppm 1230 mg/m3500 ppm 1225 mg/m33. HAZARDS IDENTIFICATIONEye irritant. oral LD50 greater than 5000 mg/kg (estimated) Inhalation, ingestion, contact.Primary Routes of Entry: Signs and symptoms of Exposure:Eye irritant. Vapor above TLV is irritating to eyes, nose and throat and can cause headache, dizziness, nausea.Existing ConditionsFor a cause headache, dizziness, nausea.	Exposure Limits (TWA) Ingredients			OTHER	
ISOPROPYL ALCOHOL400 ppm TWA 983 mg/m3400 ppm TWA 980 mg/m3None 980 mg/m3Exposure Limits (STEL) IngredientsACGIH (TLV)OSHA (PEL)ISOPROPYL ALCOHOL500 ppm 1230 mg/m3500 ppm 1225 mg/m33. HAZARDS IDENTIFICATIONEye irritant. Oral LD50 greater than 5000 mg/kg (estimated) Inhalation, ingestion, contact.Primary Routes of Entry: Signs and symptoms of Exposure:Eye irritant. Vapor above TLV is irritating to eyes, nose and throat and can cause headache, dizziness, nausea.Existing ConditionsExisting Conditions	Clay	2 mg/m3 dust			
Ingredients(TLV)(PEL)ISOPROPYL ALCOHOL500 ppm 1230 mg/m3500 ppm 1225 mg/m33. HAZARDS IDENTIFICATIONToxicity:Eye irritant. Oral LD50 greater than 5000 mg/kg (estimated)Primary Routes of Entry: Signs and symptoms of Exposure:Inhalation, ingestion, contact.Vapor above TLV is irritating to eyes, nose and throat and can cause headache, dizziness, nausea.Existing Conditions	ISOPROPYL ALCOHOL		400 ppm TWA None		
1230 mg/m31225 mg/m33. HAZARDS IDENTIFICATIONToxicity:Eye irritant. Oral LD50 greater than 5000 mg/kg (estimated)Primary Routes of Entry: Signs and symptoms of Exposure:Inhalation, ingestion, contact.Vapor above TLV is irritating to eyes, nose and throat and can cause headache, dizziness, nausea.Existing Conditions					
Toxicity:Eye irritant. Oral LD50 greater than 5000 mg/kg (estimated)Primary Routes of Entry: Signs and symptoms of Exposure:Inhalation, ingestion, contact.Vapor above TLV is irritating to eyes, nose and throat and can cause headache, dizziness, nausea.	ISOPROPYL ALCOHOL	500 ppm 1230 mg/m3	500 ppm 1225 mg/m3		
Primary Routes of Entry: Signs and symptoms of Exposure: Existing Conditions	3. HAZARDS IDENTIFICATIO	N			
Primary Routes of Entry:Inhalation, ingestion, contact.Signs and symptomsVapor above TLV is irritating to eyes, nose and throat and can cause headache, dizziness, nausea.Existing ConditionsExisting Conditions	Toxicity:	Eye irritant. Oral LD50 greater than 5000 mg/kg (actimated)			
of Exposure: Vapor above TLV is irritating to eyes, nose and throat and can cause headache, dizziness, nausea. Existing Conditions					
Existing Conditions		Vapor above TLV is irritating to eyes, nose and throat and can cause headache, dizziness, nausea			

PERMATEX INDUSTRIAL CORPORATION ROCKY HILL, CONNECTICUT 06067 TELEPHONE: (860) 571-5100		07/02/97	
	MATERIAL SAFETY DATA SHEET	Page 02 of 05	
Product Name: Item No.:	Form-A-Gasket(R) #2 Sealant 80011		
3. HAZARDS IDENTIFICATIO	N	(continued)	
	terature Referenced arget Organ and Other Health Effects	Carcinogen NTP IARC OSHA	
Clay Rosin Vegetable oil ISOPROPYL ALCOHOL Soybean derivative	AC4 NUI ACS ALG IRR RES No Data ALG CNS IRR No Data	NO NO NO NO NO NO NO NO NO NO N/A NO NO NO NO	
Abbreviations N/A Not Applicable ACS ACGIH sensitizer AC4 ACGIH-Unclassifiable as human carc. ALG Allergen CNS Central nervous system IRR Irritant NUI Nuisance dust RES Respiratory			
4. FIRST AID MEASURES			
Ingestion:	Do not induce vomiting. Keep individ	lual calm.	
Inhalation:	Obtain medical attention. Remove to fresh air. If symptoms persist, obtain medical attention. Wash with soap and water. Flush at least 15 minutes with water. Obtain medical attention.		
Skin Contact: Eye Contact:			
5. FIRE FIGHTING MEASURES			
Flash Point:	Does not apply Per ASTM D 4359 this product is a so	olid.	
Recommended Extinguishing Agents: Hazardous Products formed by Fire or Thermal Decomp	Carbon dioxide, foam, dry chemical		
	Aliphatic aldehydes, carboxylic acids, oxides of carbon.		
Unusual Fire or Explosion Hazards:	None		
Explosive Limits: (% by volume in air)Lower (% by volume in air)Upper	2% 12%		

PERMATEX INDUSTRIAL CORPORATION 07/02/97 ROCKY HILL, CONNECTICUT 06067 TELEPHONE: (860) 571-5100		
	MATERIAL SAFETY DATA SHEET	Page 03 of 05
Product Name: Item No.:	Form-A-Gasket(R) #2 Sealant 80011	
6. ACCIDENTAL RELEASE ME	ASURES	
Steps to be taken in case of spill or leak:	Remove sources of ignition. Maintain ventilation. Scrape up as much as pos store in a closed container until dis Residues may be cleaned with isopropy	ssible and posal.
7. HANDLING AND STORAGE		
Safe Storage: (Contact Loctite Customer Handling:	Store away from heat and flame. Service 1-800-243-4874 for shelf Life Avoid prolonged breathing of vapors. from eyes. Avoid prolonged skin contag	Keep away
8. EXPOSURE CONTROLS, PERSONAL PROTECTION		
Eyes: Skin: Ventilation:	Safety glasses or goggles. Rubber or plastic gloves. Must be adequate to avoid exceeding TH	LV.
	See Section 2 for Exposure Limits.	
9. PHYSICAL AND CHEMICAL	PROPERTIES	
Appearance: Odor: Boiling Point: pH: Solubility in Water: Specific Gravity Volatile Organic Compound (EPA Method 24) Vapor Pressure: Vapor Density: Evaporation Rate	Black Paste Alcoholic 180°F Does not apply Partial 1.5 at 77°F 14.2%; 213 grams per liter 33 mm at 68°F 2.07	
(Ether = 1)	7.7	
10. STABILITY AND REACTIVITY		
Stability: Hazardous Polymerization: Incompatibility: Conditions to Avoid: Hazardous Decomposition	Stable will not occur Strong oxidizers. Not available	
Products (non-thermal):	None Bage 3	

PERMATEX INDUSTRIAL CORPORATION 07/02/97 ROCKY HILL, CONNECTICUT 06067 TELEPHONE: (860) 571-5100 MATERIAL SAFETY DATA SHEET Page 04 of 05 Product Name: Form-A-Gasket(R) #2 Sealant Item No.: 80011 11. TOXICOLOGICAL INFORMATION See Section 3. 12. ECOLOGICAL INFORMATION No data available 13. DISPOSAL CONSIDERATIONS Recommended methods of Incinerate following EPA and local regulations. disposal: EPA Hazardous Waste Number NH - Not a RCRA Hazardous Waste Material 14. TRANSPORTATION INFORMATION DOT (49 CFR 172) Domestic Ground Transport Proper Shipping Name: Hazard Class or Unrestricted Division: Unrestricted Identification Number: None Marine Pollutant: None IATA Proper Shipping Name: Unrestricted Class or Division: Unrestricted UN or ID Number: None 15. REGULATORY INFORMATION CA Proposition 65: No Prop65 chemicals are known to be present. 16. OTHER INFORMATION Estimated NFPA(R) Code: 2 Health Hazard: 2 Fire Hazard: 0 Reactivity Hazard: Specific Hazard: Does not apply Estimated HMIS(R) Code: Health Hazard: 2 2 Flammability Hazard:

CH2C

CHZC

Reactivity Hazards:	0
Personal Protection:	See Section 8.
NFPA is a registered	trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

PERMATEX INDUSTRIAL CORPOR	RATION ROCKY HILL, CONNECTICUT 06067 TELEPHONE: (860) 571-5100	07/02/97
	MATERIAL SAFETY DATA SHEET	Page 05 of 05
Product Name: Item No.:	Form-A-Gasket(R) #2 Sealant 80011	
16. OTHER INFORMATION		(continued)
Prepared By: Title: Company: (24hr.) Phone: Revision Date:	Stephen Repetto Research Chemist, Environment Loctite Corp., 1001 Tr Br Cr, (860) 571-5100 April 23, 1997	cal Health & Safety Rocky Hill CT 06067 Revision: 0034