* TECHNOLOGY

SAFETY DATA SHEET EPO-TEK TM121 Part A

1. Identification	
Product identifier	
Product name	EPO-TEK TM121 Part A
Product number	TM121/A
Recommended use of the ch	emical and restrictions on use
Application	Adhesive.
Details of the supplier of the s	safety data sheet
Supplier	Epoxy Technology, Inc. 14 Fortune Drive Billerica, MA 01821 USA (978) 667-3805 (978) 663-9782 www.epotek.com, SDS@epotek.com
Emergency telephone number	er
Emergency telephone	+1 (800) 255-3924, +1 (813) 248-0585
2. Hazard(s) identification	
Classification of the substance	e or mixture
Physical hazards	Not Classified
Health hazards	Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Skin Sens. 1 - H317
Environmental hazards	Aquatic Chronic 2 - H411
Label elements Pictogram	
Signal word	Warning
Hazard statements	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 If on skin: Wash with plenty of water. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with national regulations.

Contains

Epoxy Phenol Novolac

Other hazards

Contains epoxy constituents. May produce an allergic reaction.

Hazards not otherwise classified (HNOC)

3. Composition/information on ingredients

Mixtures

Epoxy Phenol Novolac	10-30%
CAS number: 9003-36-5	
Classification	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
Aquatic Chronic 2 - H411	

The Full Text for all Hazard Statements are Displayed in Section 16.

4. First-aid measures Description of first aid measures Inhalation Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues. Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues. Skin Contact Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues. Eye contact Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. Most important symptoms and effects, both acute and delayed Inhalation Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract. Gas or vapor in high concentrations may irritate the respiratory system. Ingestion May cause discomfort if swallowed. Skin contact May cause sensitization by skin contact. Causes skin irritation. Eye contact Causes serious eye irritation. Indication of immediate medical attention and special treatment needed Notes for the doctor Treat symptomatically. 5. Fire-fighting measures Extinguishing media Suitable extinguishing media Dry chemicals. Foam. Carbon dioxide (CO2).

Special hazards arising from the substance or mixture

Hazardous combustionThermal decomposition or combustion products may include the following substances: Oxides
of carbon.

Advice for firefighters		
Protective actions during firefighting	Avoid breathing fire gases or vapors. Use water to keep fire exposed containers cool and disperse vapors.	
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.	
6. Accidental release measure	95	
Personal precautions, protecti	ve equipment and emergency procedures	
Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.	
Environmental precautions		
Environmental precautions	Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment.	
Methods and material for cont	ainment and cleaning up	
Methods for cleaning up	Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.	
Reference to other sections	For personal protection, see Section 8.	
7. Handling and storage		
Precautions for safe handling		
Usage precautions	Avoid spilling. Avoid contact with skin and eyes. Do not eat, drink or smoke when using the product. Good personal hygiene procedures should be implemented. Provide adequate ventilation.	
Conditions for safe storage, in	cluding any incompatibilities_	
Storage precautions	Store at room temperature. Keep container tightly sealed when not in use.	
Storage class	Chemical storage.	
Specific end uses(s)		
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.	
8. Exposure Controls/persona	Iprotection	
Ingredient comments	No exposure limits known for ingredient(s).	
Exposure controls		
Protective equipment		
Appropriate engineering controls	Provide adequate general and local exhaust ventilation.	
Eye/face protection	Wear tight-fitting, chemical splash goggles or face shield.	
Hand protection	Wear protective gloves made of the following material: Impermeable material.	
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.	

Hygiene measures	Provide eyewash station. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn.

9. Physical and Chemical Properties

Information on basic physical a	and chemical properties
Appearance	Paste.
Color	Grey.
Odor	Mild.
Flash point	> 93°C
Evaporation rate	< BuAc
Vapor density	> Air
Other information	None.
10. Stability and reactivity	
Reactivity	The following materials may react with the product: Strong oxidizing agents. Strong reducing agents.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Will not polymerize.
Conditions to avoid	Avoid excessive heat for prolonged periods of time.
Materials to avoid	Strong oxidizing agents. Strong reducing agents.
Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO2). Oxides of nitrogen.
11. Toxicological information	

Information on toxicological effects

Inhalation

Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract. Gas or vapor in high concentrations may irritate the respiratory system.

Ingestion	May cause discomfort if swallowed.	
-		
Skin Contact	May cause sensitization by skin contact. Irritating to skin.	
Eye contact	Causes serious eye irritation.	
12. Ecological Information		
Ecotoxicity	Toxic to aquatic life with long lasting effects.	
Toxicity Acute toxicity - fish	Not available.	
Persistence and degradability Persistence and degradability	No data available.	
Bioaccumulative potential Bio-Accumulative Potential	No data available on bioaccumulation.	
Mobility in soil Mobility	The product has poor water-solubility.	
Other adverse effects Other adverse effects	Not known.	
13. Disposal considerations		
Waste treatment methods		
Waste treatment methods Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.	
Disposal methods		
Disposal methods 14. Transport information		
Disposal methods 14. Transport information UN Number	local Waste Disposal Authority.	
Disposal methods 14. Transport information UN Number UN No. (DOT)	local Waste Disposal Authority. 3082	
Disposal methods 14. Transport information UN Number UN No. (DOT) UN No. (TDG)	local Waste Disposal Authority. 3082 3082	
Disposal methods 14. Transport information UN Number UN No. (DOT) UN No. (TDG) UN No. (IMDG)	local Waste Disposal Authority. 3082 3082 3082	
Disposal methods 14. Transport information UN Number UN No. (DOT) UN No. (TDG) UN No. (IMDG) UN No. (ICAO)	local Waste Disposal Authority. 3082 3082 3082	
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Disposal methods 14. Transport information UN Number UN No. (DOT) UN No. (TDG) UN No. (IMDG) UN No. (ICAO) UN proper shipping name Proper shipping name (DOT)	local Waste Disposal Authority. 3082 3082 3082 3082 BNVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy Phenol Novolac) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy	
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TDG class	9
TDG label	9
IMDG Class	9
ICAO class/division	9

Transport labels

Packing group

DOT pack group	Ш
TDG Packing Group	Ш
IMDG packing group	111
ICAO packing group	111

Environmental hazards

Environmentally Hazardous Substance



Special precautions for user

F	mS

F-A, S-F

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information	
Regulatory References	Proprietary information protected pursuant to WTO's Agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS), Section 7, Art. 39.
US Federal Degulations	

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are required to be listed.

 $\label{eq:cerclassical} CERCLA/Superfund, Hazardous \ Substances/Reportable \ Quantities \ (EPA)$

None of the ingredients are required to be listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are required to be listed.

SARA 313 Emission Reporting

None of the ingredients are required to be listed.

CAA Accidental Release Prevention

None of the ingredients are required to be listed.

OSHA Highly Hazardous Chemicals

None of the ingredients are required to be listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins None of the ingredients are required to be listed.

California Air Toxics "Hot Spots" (A-I)

None of the ingredients are required to be listed.

California Air Toxics "Hot Spots" (A-II) None of the ingredients are required to be listed.

Massachusetts "Right To Know" List None of the ingredients are required to be listed.

Rhode Island "Right To Know" List

None of the ingredients are required to be listed.

Minnesota "Right To Know" List None of the ingredients are required to be listed.

New Jersey "Right To Know" List None of the ingredients are required to be listed.

Pennsylvania "Right To Know" List None of the ingredients are required to be listed.

EU - EINECS/ELINCS Some of the ingredients are listed or exempt.

Canada - DSL/NDSL All the ingredients are listed or exempt.

US - TSCA All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification None of the ingredients are listed.

Australia - AICS All the ingredients are listed or exempt.

Japan - MITI Some of the ingredients are listed or exempt.

Korea - KECI

All the ingredients are listed or exempt.

China - IECSC All the ingredients are listed or exempt.

Philippines - PICCS All the ingredients are listed or exempt.

16. Other information

Revision date	2/11/2016
Revision	1
Hazard statements in full	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Epoxy Technology, Inc. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Epoxy Technology, Inc. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

* TECHNOLOGY

SAFETY DATA SHEET EPO-TEK TM121 Part B

1. Identification	
Product identifier	
Product name	EPO-TEK TM121 Part B
Product number	TM121/B
Details of the supplier of the	safety data sheet
Supplier	Epoxy Technology, Inc. 14 Fortune Drive Billerica, MA 01821 USA (978) 667-3805 (978) 663-9782 www.epotek.com, SDS@epotek.com
2. Hazard(s) identification	
Classification of the substand	ce or mixture
Physical hazards	Not Classified
Health hazards	Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Repr. 1B - H360D
Environmental hazards	Not Classified
Label elements	
Pictogram	
Signal word	Danger
Hazard statements	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H360D May damage the unborn child.
Precautionary statements	 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 Dispose of contents/ container in accordance with national regulations.
Contains	Substituted Imidazole Blend, Imidazole

3. Composition/information on ingredients

Mixtures

Substituted Imidazole Blend	60-100%
CAS number: Proprietary	
Classification	
Acute Tox. 4 - H302	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Imidazole	30-60%
CAS number: 288-32-4	
Classification	
Acute Tox. 4 - H302	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318 Repr. 1B - H360D	
	stere este sur Disaleur d'in Osstier 40
4. First-aid measures	atements are Displayed in Section 16.
Description of first aid measure	20
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Inhalation	Move affected person to fresh air at once. Get medical attention. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Remove affected person from source of contamination. Give plenty of water to drink. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin Contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.
Most important symptoms and	effects, both acute and delayed
Ingestion	May cause chemical burns in mouth and throat.
Skin contact	Burns can occur.
Eye contact	Severe irritation, burning and tearing.
Indication of immediate medica	al attention and special treatment needed
Notes for the doctor	Treat symptomatically.
5. Fire-fighting measures	
Extinguishing media	
Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Special hazards arising from the	ne substance or mixture_
Hazardous combustion products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
products	other toxic gases or vapors.

Advice for firefighters Protective actions during firefighting	Avoid breathing fire gases or vapors.	
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.	
6. Accidental release measures		
Personal precautions, protectiv	ve equipment and emergency procedures	
Personal precautions	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.	
Environmental precautions		
Environmental precautions	Avoid release to the environment.	
Methods and material for conta	ainment and cleaning up	
Methods for cleaning up	Collect and place in suitable waste disposal containers and seal securely.	
Reference to other sections	For personal protection, see Section 8.	
7. Handling and storage		
Precautions for safe handling		
Usage precautions	Avoid spilling. Avoid contact with skin and eyes. Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using the product. Avoid inhalation of vapors. Provide adequate ventilation. Protect against direct sunlight.	
Conditions for safe storage, in	cluding any incompatibilities	
Storage precautions	Store at room temperature. Keep container tightly sealed when not in use.	
Specific end uses(s)		
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.	
8. Exposure Controls/personal	protection	
Ingredient comments	No exposure limits known for ingredient(s).	
Exposure controls		
Protective equipment		
Appropriate engineering controls	Provide adequate general and local exhaust ventilation.	
Eye/face protection	Wear tight-fitting, chemical splash goggles or face shield.	
Hand protection	It is recommended that chemical-resistant, impervious gloves are worn.	
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.	

Hygiene measures	Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn.

9. Physical and Chemical Properties

Information on basic physical and chemical properties	
Appearance	Liquid.
Color	Amber.
Odor	Slight.
Flash point	> 93°C
Evaporation rate	<buac< th=""></buac<>
Vapor density	>1
Solubility(ies)	Slightly soluble in water.
Other information	None.
10. Stability and reactivity	
Reactivity	The following materials may react with the product: Acids. Alkalis. Strong oxidizing agents. Strong reducing agents.
Stability	Stable at normal ambient temperatures.
Possibility of hazardous reactions	Will not polymerize.
Conditions to avoid	Avoid exposure to high temperatures or direct sunlight. Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Oxidizing agents. Reducing agents. Avoid contact with acids and alkalis.
Materials to avoid	Strong oxidizing agents. Strong reducing agents. Strong acids. Strong alkalis.
Hazardous decomposition products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Fire creates: Toxic gases/vapors/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2). Hydrogen cyanide (HCN). Nitrous gases (NOx).

11. Toxicological information

Information on toxicological effects

Inhalation	Gas or vapor in high concentrations may irritate the respiratory system.
Ingestion	Harmful if swallowed.
Skin Contact	Causes burns.
Eye contact	Causes burns.

12. Ecological Information	
Toxicity	
Acute toxicity - fish	Not available.
Persistence and degradability	
Persistence and degradability	The product is moderately biodegradable.
Bioaccumulative potential	
Bio-Accumulative Potential	The product contains potentially bioaccumulating substances.
Mobility in soil	
Mobility	Semi-mobile.
Other adverse effects	
Other adverse effects	Not known.
13. Disposal considerations	
Waste treatment methods	
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
14. Transport information	
UN Number	
UN No. (DOT)	3267
UN No. (TDG)	3267
UN No. (IMDG)	3267
UN No. (ICAO)	3267
UN proper shipping name	
Proper shipping name (DOT)	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Imidazole)
Proper shipping name (TDG)	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Imidazole)
Proper shipping name (IMDG)	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Imidazole)
Proper shipping name (ICAO)	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Imidazole)
Transport hazard class(es)	
TDG class	8
TDG label	8
IMDG Class	8
ICAO class/division	8
Transport labels	



Packing group

DOT pack group	III	
TDG Packing Group	III	
IMDG packing group	III	
ICAO packing group	III	
Environmental hazards		
Environmentally Hazardous Su No.	ibstance	
Special precautions for user		
EmS	F-A, S-B	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.	
15. Regulatory information		
Regulatory References	Proprietary information protected pursuant to WTO's Agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS), Section 7, Art. 39.	
US Federal Regulations		
SARA Section 302 Extremely	Hazardous Substances Tier II Threshold Planning Quantities	
None of the ingredients are re	quired to be listed.	
CERCLA/Superfund, Hazardo None of the ingredients are re	ous Substances/Reportable Quantities (EPA) quired to be listed.	
SARA Extremely Hazardous S None of the ingredients are re	Substances EPCRA Reportable Quantities	
SARA 313 Emission Reporting	3	
None of the ingredients are re	quired to be listed.	
CAA Accidental Release Preve	ention	
None of the ingredients are re	quired to be listed.	
OSHA Highly Hazardous Che		
None of the ingredients are re	quired to be listed.	
US State Regulations		
California Proposition 65 Carc None of the ingredients are re	inogens and Reproductive Toxins quired to be listed.	
California Air Toxics "Hot Spot		
None of the ingredients are re	quired to be listed.	
California Air Toxics "Hot Spots" (A-II)		
None of the ingredients are required to be listed.		
Massachusetts "Right To Know" List		
None of the ingredients are re	quirea to be instea.	

Rhode Island "Right To Know" List

None of the ingredients are required to be listed.

Minnesota "Right To Know" List

None of the ingredients are required to be listed.

New Jersey "Right To Know" List

None of the ingredients are required to be listed.

Pennsylvania "Right To Know" List

None of the ingredients are required to be listed.

Inventories

EU - EINECS/ELINCS All the ingredients are listed or exempt.

Canada - DSL/NDSL

All the ingredients are listed or exempt.

US - TSCA All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification None of the ingredients are listed.

Australia - AICS All the ingredients are listed or exempt.

Japan - MITI All the ingredients are listed or exempt.

Korea - KECI All the ingredients are listed or exempt.

China - IECSC

All the ingredients are listed or exempt.

Philippines - PICCS

All the ingredients are listed or exempt.

16. Other information

Revision date	2/11/2016
Revision	1
Hazard statements in full	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H360D May damage the unborn child.

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Epoxy Technology, Inc. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Epoxy Technology, Inc. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.