

SAFETY DATA SHEET

SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

Product Name: 327 Coal Tar Epoxy Product Code: 327-Base

Trade Name: 327-Base

Adams Paint Mfg Company
1416 N University Ave
Lubbock, Tx 79415
Telephone Number: 806-763-2944
Web Site: adamspaintmfg.com

Emergency Contacts & Phone Numbers
Chemtrec: 800-424-9300
SDS Request Line: 806-763-2944

Product Use: See Product Data Sheet

Not recommended for: See Product Data Sheet

SECTION 2 - HAZARDS IDENTIFICATION

GHS Ratings:

Flammable liquid	3	Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F)
Skin corrosive	3	Reversible adverse effects in dermal tissue, Draize score: $\geq 1.5 < 2.3$
Skin sensitizer	1	Skin sensitizer
Mutagen	1B	Known to produce heritable mutations in human germ cellsSubcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Reproductive toxin	1B	Presumed, Based on experimental animals

GHS Hazards

H226	Flammable liquid and vapour
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H340	May cause genetic defects
H350	May cause cancer
H360	May damage fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat, sparks, open flames, hot surfaces and other ignition sources - No smoking
P233	Keep container tightly closed
P240	Ground and bond container and receiving equipment
P241	Use explosion-proof electrical, ventilating, lighting and equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P261	Avoid breathing dust, fumes, gas, mist, vapors or spray
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves, protective clothing, eye protection and face protection
P281	Use personal protective equipment as required
P321	Specific treatment (see Section 4 of SDS on this label)
P363	Wash contaminated clothing before reuse

P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water
P308+P313	IF exposed or concerned: Get medical attention
P332+P313	If skin irritation occurs: Get medical attention
P333+P313	If skin irritation or a rash occurs: Get medical attention
P370+P378	In case of fire: Use dry chemical, foam, carbon dioxide or water fog for extinction
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents and container in accordance with local and national regulations

Signal Word: Danger



SECTION 3 - COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Talc	14807-96-6	20.00% - 30.00%
Pitch, coal tar, high-temperature	65996-93-2	20.00% - 30.00%
Bisphenol A diglycidyl ether - bisphenol A copolymer	25036-25-3	20.00% - 30.00%
Quartz	14808-60-7	10.00% - 20.00%
Xylenes (o-, m-, p- isomers)	1330-20-7	5.00% - 10.00%
Ethylbenzene	100-41-4	1.00% - 5.00%

SECTION 4 - FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower eyelids. Get medical attention immediately.

Skin Contact: Remove contaminated clothing and shoes immediately. Wash skin with soap and water. Get medical attention if irritation develops or persists.

Ingestion: If swallowed, DO NOT induce vomiting. Call physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Other First Aid: Due to possible aspiration into lungs, DO NOT induce vomiting if ingested. If exposed person is conscious provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have person lean forward to reduce risk of aspiration.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: 27 C (81 F)

LEL: 1.00

UEL: 7.00

Suitable Extinguishing Media: Use dry chemical, foam, carbon dioxide, or water fog to extinguish fire. Water may not be effective to extinguish fire. Spattering of flammable liquid may result from spraying water.

Specific Hazards arising from the Chemical: Minimize breathing gases, vapors, fumes or decomposition products. At elevated temperatures, vapors can form an ignitable mixture with air. Vapors can flow along surfaces to distant ignition sources and flash back. Closed containers may explode when exposed to heat.

Protection of Firefighters: Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool. If a leak or spill has ignited, use water spray to disperse the vapors and to protect the men attempting to stop leak.

Protective Equipment and Precautions for Firefighters: Wear self-contained breathing apparatus and full protective gear.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use proper personal protective equipment as listed in Section 8.

Environmental Precautions: Avoid runoff into storm sewers, ditches and waterways.

Methods for Containment: Contain spilled liquid with sand or earth. DO NOT use combustible materials, such as sawdust.

Methods for Clean-up: Remove all sources of ignition. Provide ventilation. Absorb spill with inert material (dry sand or earth), collect spill with a non-sparking tool then place in a chemical waste container for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling: Use with adequate ventilation. Avoid breathing vapor and contacts with eyes, skin and clothing. Material will accumulate static charges which may cause an electrical spark (ignition source), bond and ground containers when transferring material. Use spark-proof tools and explosion-proof equipment. Do not reuse containers without proper cleaning or reconditioning.

Hygiene Practices: Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

Storage: Store in a cool dry, well ventilated area away from sources of heat, combustible materials and incompatible substances. Keep container tightly closed when not in use.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Talc 14807-96-6	Not Established	2 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 2 mg/m ³ TWA (containing no Asbestos and <1% Quartz, respirable dust)
Pitch, coal tar, high-temperature 65996-93-2	0.2 mg/m ³ TWA (benzene soluble fraction)	0.2 mg/m ³ TWA (as benzene soluble aerosol)	NIOSH: 0.1 mg/m ³ TWA (Cyclohexane-extractable fraction)
Bisphenol A diglycidyl ether - bisphenol A copolymer 25036-25-3	Not Established	Not Established	Not Established
Quartz 14808-60-7	Not Established	0.025 mg/m ³ TWA (respirable fraction)	NIOSH: 0.05 mg/m ³ TWA (respirable dust)
Xylenes (o-, m-, p- isomers) 1330-20-7	100 ppm TWA; 435 mg/m ³ TWA	150 ppm STEL 100 ppm TWA	Not Established
Ethylbenzene 100-41-4	100 ppm TWA; 435 mg/m ³ TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 435 mg/m ³ TWA 125 ppm STEL; 545 mg/m ³ STEL

Engineering Controls: Use appropriate engineering control such as process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective, wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Eye / Face Protection: Wear protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulations.

Skin Protection: Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eye, skin or clothing.

Respiratory Protection: A NIOSH-approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a positive-pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.

General Hygiene Considerations: Avoid breathing vapor or mist. Avoid contact with eyes and skin. Wash thoroughly after handling and before eating or drinking.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance: Liquid Vapor Pressure: 7.0 mmHg Vapor Density: Heavier than air Lbs / Gallon 12.26 Freezing point: No Data Boiling range: 136°C Evaporation rate: Slower than Ether Explosive Limits: 1% - 7% Autoignition temperature: 432°C Viscosity: No Data	Odor: Tar like - Aromatic Odor threshold: No Data pH: No Data Melting point: No Data Solubility: Negligible Flash point: 81 F, 27 C Flammability: Flammable Liquid Class IC Partition coefficient (n-octanol/water): No Data Decomposition temperature: No Data VOC g/l 138.250
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SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Heat, flames, sparks and other ignition sources.

Incompatible Materials: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Incomplete combustion may produce carbon monoxide and other toxic gases.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Mixture Toxicity

Oral Toxicity LD50: 3,202mg/kg

Inhalation Toxicity LC50: 900mg/L

Component Toxicity

100-41-4

Ethylbenzene

Oral LD50: 3,500 mg/kg (Rat) Inhalation LC50: 17 mg/L (Rat)

Miscellaneous Toxicological Information:

Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

CAS Number

Description

% Weight

Carcinogen Rating

14808-60-7	Quartz	10 to 20%	Quartz: NIOSH: potential occupational carcinogen IARC: Human carcinogen OSHA: listed
100-41-4	Ethylbenzene	1 to 5%	Ethylbenzene: IARC: Possible human carcinogen OSHA: listed
65996-93-2	Pitch, coal tar, high-temperature	20 to 30%	Pitch, coal tar, high-temperature: NIOSH: potential occupational carcinogen IARC: Human carcinogen OSHA: listed EU REACH: Present (Will be deleted on April 1, 2016 according to Regulation (EU) No 317/2014) EU REACH: Present (Applies from April 1, 2016; The residue from the distillation of high temperature coal tar. A black solid with an approximate softening point from 30 degree Celsius to 180 degrees Celsius (86F to 356F). Composed primarily of a complex mixture of three or more membered condensed ring aromatic hydrocarbons.)

SECTION 12 - ECOLOGICAL INFORMATION

No additional information provided for this product. See Section 3 for chemical specific data.

Component Ecotoxicity

Talc	96 Hr LC50 Brachydanio rerio: >100 g/L [semi-static]
Xylenes (o-, m-, p- isomers)	96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 13.5 - 17.3 mg/L; 96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static]; 96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static]; 96 Hr LC50 Cyprinus carpio: >780 mg/L; 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static] 48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L
Ethylbenzene	96 Hr LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 4.2 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 7.55 - 11 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 32 mg/L [static]; 96 Hr LC50 Pimephales promelas: 9.1 - 15.6 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 9.6 mg/L [static] 48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L 72 Hr EC50 Pseudokirchneriella subcapitata: 4.6 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: >438 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 - 11.3 mg/L [static]; 96 Hr EC50 Pseudokirchneriella subcapitata: 1.7 - 7.6 mg/L [static]

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classification of hazardous

waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and / or state and local guidelines.

SECTION 14 - TRANSPORT INFORMATION

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Paint	1263	III	3

SECTION 15 - REGULATORY INFORMATION

Additional regulatory listings, where applicable.

CERCLA RQ:

<u>Component</u>	<u>RQ (lbs)</u>
Xylene	100
Ethylbenzene	1000

SARA 311/312 Hazard Classes: Acute, Chronic, Fire

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING!

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

100-41-4 Ethylbenzene 1 to 5 % Carcinogen
14808-60-7 Quartz 10 to 20 % Carcinogen

SARA 302 Components:

- None

SARA 313 TOXIC CHEMICALS:

100-41-4 Ethylbenzene 1 to 5 %
1330-20-7 Xylenes (o-, m-, p- isomers) 5 to 10 %

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory.

- None

SECTION 16 - OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations and orders.

Reviewer Revision

Date Prepared: 6/16/2015