



**SAFETY DATA SHEET
QUICSEAL 307 PART A
EPOXY BONDING AGENT**

1. IDENTIFICATION OF THE PRODUCT AND THE SUPPLIER

Product Name: QUICSEAL 307 (Part A)
Product use: Epoxy Bonding Agent

Details of the Supplier:

*QUICSEAL CONSTRUCTION CHEMICALS PTE LTD
No. 7 Eunos Avenue 8A
Eunos Industrial Estate
Singapore 409460*

Emergency Contact No.: +65 6742 4466 (Office Hours: 9:00 AM - 5:00PM)

2. HAZARD IDENTIFICATION

GHS Classification:

Skin Irritation - Category 2
Eye Irritation - Category 2

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

Warning

Hazard Statements

H315: Causes skin irritation.
H319: Causes serious eye irritation.

Precautionary Statements

Prevention

P261: Avoid breathing dust.
P264: Wash hands and forearms thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection.

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Response

P302+P352: IF ON SKIN: Wash with plenty of soap and 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.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

Storage

P402+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked-up.

Disposal

P501: Dispose of contents/container in accordance with Singapore regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product contains the following components classified as hazardous:

COMPONENTS	CAS No.	EINECS No.	Index No.	Percentage
Bisphenol A (Epichlorhydrin)	25068-38-6	--	--	50 – 100 %
Neodecansaure-Oxiranylmethylester	26761-45-5	--	--	10 – 25 %

4. FIRST-AID MEASURES**Eye contact:**

Rinse eyes thoroughly with water for at least 15 minutes, including under lids, to remove all particles. Seek medical attention for abrasions and burns.

Skin contact:

Wash with cool water and a pH neutral soap or a mild skin detergent. Seek medical attention for rash, burns, irritation, dermatitis, and prolonged unprotected exposures to wet product, cement mixtures or liquids from wet cement.

Inhalation:

Move person to fresh air. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

Ingestion:

Do not induce vomiting. If conscious, have person drink plenty of water. Seek medical attention or contact poison control center immediately.

Note to Physician:

Pls. see Section 11 for the details on the potential health effects of this product.

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5. FIRE-FIGHTING MEASURES

General Fire Hazards

This product poses no fire-related hazard. As a general precaution during fire-fighting involving the product, avoid breathing dust and fumes. Wet product is alkaline/caustic.

Fire-fighting Equipment

A self-contained breathing apparatus (SCBA) is recommended to limit exposures to combustion products when fighting any fire involving the product.

Suitable Fire-extinguishing Media

Use extinguishing media appropriate for surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Person Related Safety Precaution:

Ensure adequate ventilation.

Measures For Environmental Protection:

Prevent material from reaching sewage system, holes and cellars.

Measures For Cleaning / Collecting

Absorb with liquid-binding materials (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

7. HANDLING AND STORAGE

Handling

Information for handling: Keep containers tightly sealed. Ensure good ventilation / exhaustion at the workplace. Information about protection against explosions and fires. No special measures required.

Storage

Requirements to be met by storerooms and containers: Keep containers securely closed and dry, store at 15-35 °C Information about storage in one common storage facility: Not required. Further information about storage conditions : None Storage class according to regulation on inflammable liquids: Void

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls

Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits.

Personal Protective Equipment (PPE)

Eye Protection

Wear ANSI-approved glasses or safety goggles when handling the dry powder or wet product to prevent contact with eyes. Wearing contact lenses when using the product, under dusty conditions, is not recommended.

Skin Protection

Wear gloves, boot covers and protective clothing impervious to water to prevent skin contact. Do not rely on barrier creams, in place of impervious gloves. Remove clothing and protective equipment that becomes saturated with wet product and immediately wash exposed areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Grey
Flash Point:	> 100 °C DIN 53213
Boiling Point:	Not Applicable
Melting Point:	Not Applicable
Oxidising Properties:	Not Applicable
Flammability Limits:	None allocated
Water Solubility:	Miscibility with water
Ignition Temperature:	Product is not self-igniting
Danger of Explosion:	Product is not explosive
Density at 23 °C:	1.21 g/cm ³ DIN 51757

10. STABILITY AND REACTIVITY

Conditions to be avoided	No decomposition if used according to specification.
Dangerous reactions	None if used according to specification.
Dangerous products of composition	None if handled and stored properly.

11. TOXICOLOGICAL INFORMATION

Ingestion:	Acute oral toxicity – LD50 10000 ~11400 mg/kg body weight
On the skin:	Irritant for skin and mucous membranes.
On the eye:	Irritant effect.

12. ECOLOGICAL INFORMATION

Biological degradability:	No readily biodegradable.
Biological accumulation:	No information available.
Ecological toxicity	Toxic to aquatic organisms.

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13. DISPOSAL CONSIDERATIONS

Product: Observe local regulations concerning disposal. Take to a suitable and approved incineration plant. The cured product can be disposed with household waste.

Uncleaned packaging: Disposal must be made according to official regulation.

14. TRANSPORT INFORMATION

Land transport ARD / RID and GGVS / GGVE (cross-border / domestic)

ADR / RID – GGVS / E Class	9
Number / Letter	11-C
Hazard No.	90

Maritime transport IMDG / GGVSea	
IMDG / GGVSea Class	Free

Air Transport ICAO-TI and IATA – DGR	
ICAO / IATA Class	Free

Transport / Additional Information	Not classified as dangerous goods as per above regulations.
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15. REGULATORY INFORMATION**Applicable National Regulations**

This product is subject to the requirements in the following acts/regulations:

Workplace Safety and Health Act & Workplace Safety and Health (General Provisions) Regulations
Environmental Protection and Management Act and Environmental Protection and Management

International Regulations

This product is classified as hazardous pursuant to the provision set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

OSHA/MSHA Hazard Communication

This product is considered by OSHA/MSHA to be a hazardous chemical and should be included in the employer's hazard communication program.

16. OTHER INFORMATION

The information and data contained herein are believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since QUICSEAL Construction Chemicals Pte. Ltd. cannot know all of the uses to which its products may be put or the conditions of use; it makes no warranties concerning the fitness or suitability of its products for a particular use of purpose.

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**SAFETY DATA SHEET
QUICSEAL 307 PART B
EPOXY BONDING AGENT**

1. IDENTIFICATION OF THE PRODUCT AND THE SUPPLIER

Product Name: QUICSEAL 307 (Part B)
Product use: Epoxy Bonding Agent

Details of the Supplier:

*QUICSEAL CONSTRUCTION CHEMICALS PTE LTD
No. 7 Eunos Avenue 8A
Eunos Industrial Estate
Singapore 409460*

Emergency Contact No.: +65 6742 4466 (Office Hours: 9:00 AM - 5:00PM)

2. HAZARD IDENTIFICATION

GHS Classification:

Eye irritation – Category 2
Acute Toxicity (Oral) – Category 4
Skin Sensitization – Category 1

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

Warning

Hazard Statements

H315: Causes skin irritation.
H302: Harmful if swallowed.
H317: May cause an allergic skin reaction.

Precautionary Statements

Prevention

P264: Wash hands and forearms thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection.

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Response

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P332+P313: If skin irritation occurs: Get medical advice/attention.

Storage

P402+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked-up.

Disposal

P501: Dispose of contents/container in accordance with Singapore regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product contains the following components classified as hazardous:

COMPONENTS	CAS No.	EINECS No.	Index No.	Percentage
Aliphatic Polyamide Amine	Proprietary	--	--	Proprietary

4. FIRST-AID MEASURES**Eye Contact:**

Rinse eyes thoroughly with water for at least 15 minutes, including under lids, to remove all particles. Seek medical attention for abrasions and burns.

Skin Contact:

Wash with cool water and a pH neutral soap or a mild skin detergent. Seek medical attention for rash, burns, irritation, dermatitis, and prolonged unprotected exposures to wet product, cement mixtures or liquids from wet cement.

Inhalation:

Move person to fresh air. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

Ingestion:

Do not induce vomiting. If conscious, have person drink plenty of water. Seek medical attention or contact poison control center immediately.

Note to Physician:

Pls. see Section 11 for the details on the potential health effects of this product.

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5. FIRE-FIGHTING MEASURES

General Fire Hazards

This product poses no fire-related hazard. As a general precaution during fire-fighting involving the product, avoid breathing dust and fumes. Wet product is alkaline/caustic.

Fire-fighting Equipment

A self-contained breathing apparatus (SCBA) is recommended to limit exposures to combustion products when fighting any fire involving the product.

Suitable Fire-extinguishing Media

Use extinguishing media appropriate for surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Person Related Safety Precaution:

Ensure adequate ventilation.

Measures For Environmental Protection:

Prevent material from reaching sewage system, holes and cellars.

Measures For Cleaning / Collecting

Absorb with liquid-binding materials (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

7. HANDLING AND STORAGE

Handling

Information for handling: Keep containers tightly sealed. Ensure good ventilation / exhaust at the workplace. Information about protection against explosions and fires. No special measures required.

Storage

Requirements to be met by storerooms and containers: Keep containers securely closed and dry, store at 15-35 °C Information about storage in one common storage facility: Not required. Further information about storage conditions : None Storage class according to regulation on inflammable liquids: Void

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls

Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits.

Personal Protective Equipment (PPE)

Eye Protection

Wear ANSI-approved glasses or safety goggles when handling the dry powder or wet product to prevent contact with eyes. Wearing contact lenses when using the product, under dusty conditions, is not recommended.

Skin Protection

Wear gloves, boot covers and protective clothing impervious to water to prevent skin contact. Do not rely on barrier creams, in place of impervious gloves. Remove clothing and protective equipment that becomes saturated with wet product and immediately wash exposed areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Yellowish
Odour:	Ammonia-like
Flash Point:	221 °C DIN 53213
Boiling Point:	Not Applicable
Melting Point:	Not Applicable
Danger of Explosion:	Product is not explosive. However, formation of explosive air / steam mixture is possible.

10. STABILITY AND REACTIVITY

Conditions to be avoided:	No decomposition if used according to specification.
Dangerous reactions:	No dangerous reactions known.
Dangerous products of composition:	Combustion can produce carbon monoxide and carbon dioxide and oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

LD/LC50 values that are relevant for classification

Component	Type	Value	Species
Aliphatic Polyamide Amines	Oral	3300 mg/kg	Rat

On the skin: Caustic effect on skin and mucous membranes..

On the eye: Irritant effect.

Sensitization: Sensitization possible by skin contact.

Additional Information: This product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version: Harmful. Corrosive. Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

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12. ECOLOGICAL INFORMATION

Biological Degradability:

Not biodegradable.

Biological Accumulation:

Not noticed bioaccumulation.

13. DISPOSAL CONSIDERATIONS

Product:

Observe local regulations concerning disposal. Take to a suitable and approved incineration plant. The cured product can be disposed with household waste.

Uncleaned Packaging:

Disposal must be made according to official regulation.

14. TRANSPORT INFORMATION

Land transport ARD / RID and GGVS / GGVE (cross-border / domestic)

ADR / RID – GGVS / E Class 8 Corrosive materials

UN-Number 1760

15. REGULATORY INFORMATION

Applicable National Regulations

This product is subject to the requirements in the following acts/regulations:

Workplace Safety and Health Act & Workplace Safety and Health (General Provisions) Regulations
Environmental Protection and Management Act and Environmental Protection and Management

International Regulations

This product is classified as hazardous pursuant to the provision set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

OSHA/MSHA Hazard Communication

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16. OTHER INFORMATION

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