Check Seal 8 Part A
Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Identification of the substance or mixture

Product Name:	Check Seal 8 Part A
Product Code(s):	0926A
Product Use:	Epoxy curing agent
Manufacturer:	South Coast Products 20 Southbelt Industrial Dr Houston, TX 77047 USA
Emergency telephone number:	+1 813 248 0585, 24 hours Refer to code 0926A
E-mail address for questions regarding this SDS:	sharons@socousa.com

2. HAZARDS IDENTIFICATION

GHS Classification

Skin irritation (Category 2) – H315
Serious eye damage/eye irritation (Category 2A) – H319
Skin sensitization (Category 1) – H317
Respiratory sensitization (Category 1B) – H334

GHS label elements

Signal Word:
Danger

Hazard statements:
H315 – Causes skin irritation
H317 – May cause an allergic skin reaction
H319 – Causes serious eye irritation
H334 – May cause allergy or asthma symptoms or respiratory difficulties if inhaled

Precautionary statements:
P280 – Wear protective gloves/eye protection/face protection.
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.
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.
P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.
P342 + P311 – If experiencing respiratory symptoms: Call a doctor.

Other hazards: High pressure injection under skin is a medical emergency.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Concentration
ATBN polymer CAS-No. 68683-29-4	**40-60%**
Polyethylpolyamine (Proprietary) CAS-No. not known	**1-3%**
Polyethylpolyamine #1 (Proprietary) CAS-No. not known	**1-3%**

4. FIRST AID MEASURES

General: If exposed or concerned, get medical attention or advice.
Inhalation: Move exposed person to fresh air. If effects occur, get medical attention.
Ingestion: Wash out mouth with water. Do not induce vomiting. Get medical attention.
Skin contact: Remove contaminated clothing and shoes. Wash skin with soap and water. Get medical attention if irritation symptoms persist.
Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 5 minutes, keeping eyelids open. Get medical attention.

Most important symptoms and effects, both acute and delayed

Acute: Inhalation: respiratory irritation, difficulty breathing. Skin: redness, irritation. Eyes: redness, tearing, pain.
Delayed: Inhalation: respiratory irritation, difficulty breathing. Skin: redness, irritation, allergic reaction.

5. FIRE-FIGHTING MEASURES

Suitable media: Use dry chemical, CO_2, water spray (fog) or foam.
Not suitable: Do not use water jet.
Combustion products: Carbon monoxide, carbon dioxide, nitrogen oxides
Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate personal protection equipment (see section 8).

Environmental precautions: Keep product out of sewers and watercourses, prevent soil penetration. Advise authorities if large amounts of product enter waterways or extensive land areas.

Methods and materials for containment and cleaning up: Recover free product. Use suitable oil adsorbent and dispose of material in accordance with all regulations.

7. HANDLING AND STORAGE

Handling: Wear appropriate personal protection equipment (see section 8). Do not eat, drink or smoke when using. Wash thoroughly after handling. Follow good hygiene and housekeeping practices.

Storage: Store in cool dry area in original or equivalent container in accordance with all regulations. Do not expose to extreme heat or flame. Do not expose to extreme cold. Store at 5 – 40°C, away from strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Components with occupational exposure limits:

Chemical name	CAS no.	OSHA PEL	ACGIH TLV
Polyethylenepolyamine (Proprietary)	unknown	not established	1 ppm TWA
Polyethylenepolyamine #1 (Proprietary)	unknown	not established	1 ppm TWA

Engineering controls: Use with adequate ventilation.

Eye/face protection: Safety glasses approved under NIOSH. Ensure eye bath is to hand.

Hand protection: Protective gloves approved under NIOSH. Nitrile or butyl rubber recommended.

Skin protection: No additional protection required beyond normal industrial attire is required.

Respiratory protection: Use a NIOSH approved respirator where air levels exceeding TWA may exist. Organic vapor cartridges.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor: White paste, amine odor

Odor threshold: No data available

pH: Not applicable, insoluble in water

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: >115°C (240°F)

Evaporation rate: No data available

Flammability (solid/gas): No data available

Upper flammability limit: No data available

Lower flammability limit:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	0.9
Density:	7.6 lb/gal
Solubility:	Insoluble in water
Partition coefficient: n-octanol/water:	No data available
Autoignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Volatiles by volume:	268 g/L

10. STABILITY AND REACTIVITY

Chemical stability:	Stable
Polymerization:	Will not occur without epoxy resin, then it may build up heat; very large volumes may cause dangerous exotherm
Conditions to avoid:	Extreme heat
Incompatible materials:	Strong oxidizers
Hazardous decomposition products:	Carbon oxides, nitrogen oxides

11. TOXICOLOGICAL INFORMATION

Potential acute health effects

Acute toxicity:

Polyethylenepolyamine (Proprietary):

LD50 oral – rabbit – 5500 mg/kg
LD50 oral – mouse – 38.5 mg/kg
LD50 oral – rat – 1080 mg/kg
od50 dermal – rabbit – 675 mg/kg

Polyethylenepolyamine #1 (Proprietary):

LD50 oral – rat – 2800 mg/kg
LD50 dermal – rabbit – 550 mg/kg

Eye damage/irritation:	Causes serious eye damage, including irreversible corneal damage.
Skin corrosion/irritation:	Causes skin irritation.

Potential chronic health effects

Sensitization:	May cause allergic skin and respiratory reactions
Carcinogenicity:	No ingredients suspected as carcinogens
Mutagenicity:	No ingredients suspected as mutagens
Reproductive toxicity:	No ingredients suspected as reproductive hazards
STOT repeated exposure:	No known effects

12. ECOLOGICAL INFORMATION

Ecotoxicity: No known significant effects or critical hazards.
Persistence/degradability: Not readily biodegradable
Bioaccumulative potential: No information available
Mobility in soil: No information available
Other adverse effects: No information available

13. DISPOSAL CONSIDERATIONS

Waste disposal: Generation of waste should be avoided or minimized where possible. Empty containers may contain residue. Dispose of as hazardous waste via licensed waste disposal operator. Follow all applicable regulations.

14. TRANSPORT INFORMATION

Transport information according to ADR, RID, ADN, IMDG, ICAO, IATA: Not regulated
Transport information according to USDOT: Not regulated.

15. REGULATORY INFORMATION

US Regulations

SARA 302 Extremely Hazardous Substances: None.
SARA 313 Components: None.

State Regulations

California Prop 65: No ingredients listed.
Massachusetts Right to Know: Polyethylenepolyamine (Proprietary), Polyethylenepolyamine #1 (Proprietary)
New Jersey Right to Know: Polyethylenepolyamine (Proprietary), Polyethylenepolyamine #1 (Proprietary)
Pennsylvania RTK Hazardous Substances: Polyethylenepolyamine (Proprietary), Polyethylenepolyamine #1 (Proprietary)

United States inventory (TSCA): All ingredients listed or exempt.

International regulations

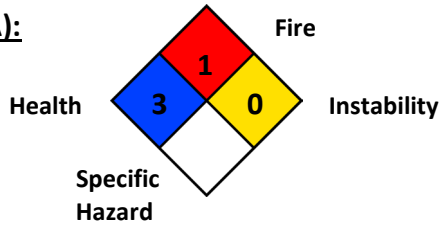
Canada: WHMIS Classification: D2A: Material causing other toxic effects (Very toxic). D2B: Material causing other toxic effects (toxic). **WHMIS**: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION

Hazardous Material Information System (USA):

HEALTH	3*
FIRE	1
REACTIVITY	0
PERSONAL PROTECTION	B

National Fire Protection Association (USA):



Revision information: Original GHS issue 6 May 2015. Rev 1: corrected CAS-No. in Section 3. Rev 2: reviewed with no changes. Rev 3: reviewed with no changes.

END OF SAFETY DATA SHEET

Check Seal 8 Part B
Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Identification of the substance or mixture

Product Name:	Check Seal 8 Part B
Product Code(s):	0926B
Product Use:	Epoxy resin base
Manufacturer:	South Coast Products 20 Southbelt Industrial Dr Houston, TX 77047 USA
Emergency telephone number:	+1 813 248 0585, 24 hours Refer to code 0926B
E-mail address for questions regarding this SDS:	sharons@socousa.com

2. HAZARDS IDENTIFICATION

GHS Classification

Skin irritation (Category 2)
Eye irritation (Category 2A)
Skin sensitization (Category 1)
Carcinogenicity (Category 1A)
Specific target organ toxicity – repeated exposure, Inhalation (Category 1)
Acute aquatic toxicity (Category 2)
Chronic aquatic toxicity (Category 2)

GHS label elements

Signal Word:
Danger
Hazard statements:
H315 – Causes skin irritation
H317 – May cause an allergic skin reaction
H319 – Causes serious eye irritation
H350 – May cause cancer
H372 – Causes damage to lungs through prolonged or repeated exposure if inhaled
H411 – Toxic to aquatic life with long lasting effects

Precautionary statements:
P260 – Do not breathe dust
P273 – Avoid release to the environment
P280 – Wear protective gloves/eye protection/face protection
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.
P308 + P313 – IF exposed or concerned: get medical advice/attention.
P501 – Dispose of contents/container to an approved waste disposal plant

Other hazards: High pressure injection under skin is a medical emergency.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Concentration/Classification
Reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight <= 700) CAS-No. 25068-38-6	**80-100%** Skin Irrit. 2-H315; Eye Irrit. 2A-H317; Skin Sens. 1-H319; Aquatic Acute 2, Aquatic chronic 2-H411
Quartz (silica) CAS-No. 14808-60-7	**10-15%** Carc. 1A-H350; STOT-RE-H372

4. FIRST AID MEASURES

General: If exposed or concerned, get medical attention or advice.
Inhalation: Move exposed person to fresh air. If effects occur, get medical attention.
Ingestion: Wash out mouth with water. Do not induce vomiting. Get medical attention if stomach pains or nausea occur.
Skin contact: Remove contaminated clothing and shoes. Wash skin with soap and water. Get medical attention if irritation symptoms persist.
Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 5 minutes, keeping eyelids open. Get medical attention.

Most important symptoms and effects, both acute and delayed
Acute: Skin: irritation, redness. Eyes: irritation, redness, tearing.
Delayed: Skin: may cause allergic reaction. Respiratory: may cause lung damage, cancer if dust is inhaled.

5. FIRE-FIGHTING MEASURES

Suitable media: Use dry chemical, CO_2, water spray (fog) or foam.
Not suitable: Do not use water jet.
Combustion products: Carbon monoxide, carbon dioxide, phenolics, silicon oxides.
Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in

positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate personal protection equipment (see section 8). Avoid dust formation. Avoid breathing dust or fumes.

Environmental precautions: Keep product out of sewers and watercourses, prevent soil penetration. Advise authorities if large amounts of product enter waterways or extensive land areas.

Methods and materials for containment and cleanup: Recover free product. Use suitable oil adsorbent and dispose of material in accordance with all regulations.

7. HANDLING AND STORAGE

Handling: Wear appropriate personal protection equipment (see section 8). Processing of solid cured material may generate dust. Do not eat, drink or smoke when using. Wash thoroughly after handling. Follow good hygiene and housekeeping practices.

Storage: Store in cool dry area in original or equivalent container in accordance with all regulations. Do not expose to extreme heat or flame. Do not expose to extreme cold. Store at 5 – 40°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Components with workplace control parameters

Component	CAS-No.	Value	Control parameter	Basis
Quartz	14808-60-7	TWA	0.025 mg/m3	USA ACGIH TLV
	Remarks	Lung cancer, pulmonary fibrosis, suspected human carcinogen		
		TWA	10 mg/m3 /%SiO2+2	USA OSHA PEL

Engineering controls: Use with adequate ventilation.

Eye/face protection: Safety glasses approved under NIOSH. Ensure eye bath is to hand.

Hand protection: Protective gloves approved under NIOSH. Nitrile or butyl rubber recommended.

Skin protection: No additional protection required beyond normal industrial attire is required.

Respiratory protection: No special measures required unless grinding or sanding cured product will produce dusts – then NIOSH approved full-face particle respirator with type N99 cartridges.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor:	Blue liquid, mild odor
Odor threshold:	No data available
pH:	Not applicable, insoluble in water
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point:	121°C (250°F) (TCC)
Evaporation rate:	No data available
Flammability (solid/gas):	No data available
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	1.3
Density:	10.55 lb/gal
Solubility:	Insoluble in water
Partition coefficient: n-octanol/water:	No data available
Autoignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data
Volatiles by volume:	No data

10. STABILITY AND REACTIVITY

Chemical stability:	Stable
Polymerization:	Will not occur without amine catalyst, then it may build up heat; very large volumes may cause dangerous exotherm
Conditions to avoid:	Extreme heat
Incompatible materials:	Strong oxidizers
Hazardous decomposition products:	Carbon oxides, phenolics, silicon oxides

11. TOXICOLOGICAL INFORMATION

Potential acute health effects

Acute toxicity:

LD50 Oral – rat - >5000 mg/kg estimated, based on components

LD50 Dermal – rabbit - >5000 mg/kg estimated, based on components

Eye damage/irritation:	May cause moderate eye irritation. Corneal damage is unlikely.
Skin corrosion/irritation:	Prolonged or repeated contact may cause skin irritation with local redness.

Potential chronic health effects

Sensitization:	May cause allergic skin reaction
Carcinogenicity:	Silica in dust generated by processing cured material is classified as IARC Group 1: carcinogenic to humans.

Mutagenicity:	No ingredients suspected as mutagens
Reproductive toxicity:	No ingredients suspected to cause reproductive effects
STOT repeated exposure:	Causes damage to lungs with prolonged or repeated inhalation of dusts generated by processing cured material.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Toxic to aquatic life with long lasting effects
Persistence/degradability:	Not expected to be readily biodegradable
Bioaccumulative potential:	No information available
Mobility in soil:	No information available
Other adverse effects:	No information available

13. DISPOSAL CONSIDERATIONS

Waste disposal:	Generation of waste should be avoided or minimized where possible. Empty containers may contain residue. Dispose of as hazardous waste via licensed waste disposal operator. Follow all applicable regulations.

14. TRANSPORT INFORMATION

Transport information according to ADR, RID, ADN, IMDG, ICAO, IATA

UN number:	UN3082
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (epoxy resin)
Hazard class:	Class 9
Packing group	PGIII
Additional information:	Marine pollutant In packages of 5 L or less, not regulated by IATA under Special Provision A197 of the DGR.

Transport information according to USDOT: Not regulated.

15. REGULATORY INFORMATION

US Regulations

SARA 302 Extremely Hazardous Substances: None.
SARA 313 Components: None.
SARA 311/312 Hazards: Chronic health hazard

State Regulations

California Prop 65: Quartz, CAS-No. 14808-60-7 (cancer)
Massachusetts Right to Know: Quartz, CAS-No. 14808-60-7
New Jersey Right to Know: Quartz, CAS-No. 14808-60-7
Pennsylvania RTK Hazardous Substances: Quartz, CAS-No. 14808-60-7

United States inventory (TSCA): All ingredients listed or exempt.

International regulations

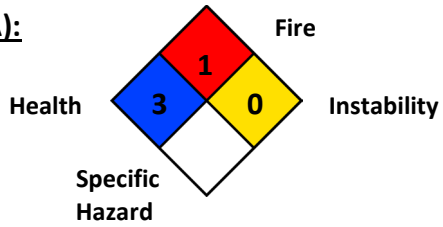
Canada: WHMIS Classification: D2A: Material causing very toxic effects (cancer); D2B: Material causing other toxic effects (toxic). **WHMIS**: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION

Hazardous Material Information System (USA):

HEALTH	3*
FIRE	1
REACTIVITY	0
PERSONAL PROTECTION	B

National Fire Protection Association (USA):



Revision information: Rev. 1: added additional information to section 14. Rev 2: reviewed with no changes. Rev 3: reviewed with no changes.

END OF SAFETY DATA SHEET