

Check Seal 22 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 22 Part A
Product Code(s): 0951A
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 0951A

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)
Acute aquatic toxicity (Category 2)
Chronic aquatic toxicity (Category 2)

GHS label elements



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:

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

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P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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.

5. FIRE-FIGHTING MEASURES

- Suitable media:** Use dry chemical, CO₂, water spray (fog) or foam.
- Not suitable:** Do not use water jet.
- Combustion products:** Carbon monoxide, carbon dioxide, phenolics.
- 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:** Recover free product. Use suitable oil adsorbent and dispose of material in accordance with all regulations. Keep product out of sewers and watercourses, prevent soil penetration. Advise authorities if large amounts of product enter waterways or extensive land areas.

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.

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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: No ingredients have workplace exposure limits.
Engineering controls: Use with adequate ventilation.
Eye/face protection: Safety glasses. Ensure eye bath is to hand.
Hand protection: Protective gloves. Nitrile or butyl rubber recommended.
Skin protection: No additional protection required beyond normal industrial attire is required.
Respiratory protection: No special measures required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor: Colorless to yellow liquid, mild odor
pH: Not applicable, insoluble in water
Flash point: 121°C (250°F) (TCC)
Evaporation rate: No data
Upper flammability limit: No data
Lower flammability limit: No data
Vapor pressure: No data
Vapor density: No data
Relative density: 1.1
Density: 9.1 lb/gal
Solubility: Insoluble in water
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

11. TOXICOLOGICAL INFORMATION

Potential acute health effects

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

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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

Repeated dose toxicity: Except for skin sensitization, none anticipated

Carcinogenicity: No ingredients listed as carcinogens

Mutagenicity: No ingredients suspected as mutagens

Reproductive toxicity: No ingredients suspected to cause reproductive effects

STOT repeated exposure: No known effects

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

Transport information according to USDOT: Not regulated.

15. REGULATORY INFORMATION

US Regulations

SARA 302 Extremely Hazardous Substances: None.

SARA 313 Components: None.

State Regulations

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California Prop 65: No ingredients listed.

Massachusetts Right to Know: No ingredients listed.

New Jersey Right to Know: No ingredients listed.

Pennsylvania RTK Hazardous Substances: No ingredients listed.

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

International regulations

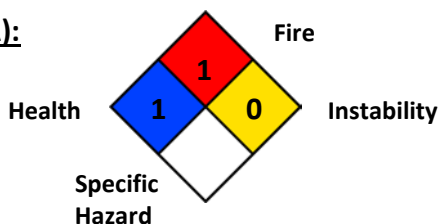
Canada: WHMIS Classification: D2B: Material causing other toxic effects (toxic). **WHMIS:** This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION

Hazardous Material Information System (USA):

HEALTH	1*
FIRE	1
REACTIVITY	0
PERSONAL PROTECTION	B

National Fire Protection Association (USA):



Revision information: Original GHS issue.

END OF SAFETY DATA SHEET

Check Seal 22 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 22 Part B
Product Code(s): 0951B
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 0951B

E-mail address for questions regarding this SDS: sharons@socousa.com

2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity, oral (Category 4) – H302
Skin corrosion (Category 1B) – H314
Serious eye damage (Category 1) – H318
Skin sensitization (Category 1) – H317
Germ cell mutagenicity (Category 2) – H341
Reproductive toxicity (Category 2) – H361
Specific target organ toxicity – repeated exposure (Category 2) – H373
Acute aquatic toxicity (Category 3) – H402
Chronic aquatic toxicity (Category 2) – H411

GHS label elements



Signal Word:

Danger

Hazard statements:

H302 – Harmful if swallowed
H314 – Causes severe skin burns and eye damage
H317 – May cause an allergic skin reaction
H318 – Causes serious eye damage

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- H341 – Suspected of causing genetic effects
- H361 – Suspected of damaging fertility or the unborn child
- H373 – May cause damage to organs through prolonged or repeated exposure
- H402 – Harmful to aquatic life
- H411 – Toxic to aquatic life with long lasting effects

Precautionary statements:

- P273 – Avoid release to the environment
- P280 – Wear protective gloves/eye protection/face protection
- P301 + P330 + P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P314 – Get medical advice/attention if you feel unwell
- P363 – Wash contaminated clothing before reuse

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Concentration/Classification
ATBN polymer CAS-No. 68683-29-7	60-80% Skin Irrit. 2; Skin Sens. 1; H315, H317
Benzyl alcohol CAS-No. 100-51-6	10-20% Acute Tox. 4; Eye irrit. 2A; Aquatic Acute 2; H302 + H332, H319, H401
Isophorone diamine CAS-No. 2855-13-2	10-20% Acute Tox. 4; Skin Corr. 1B; Eye Dam. 1; Skin Sens. 1; Aquatic Acute 3; Aquatic Chronic 3; H302 + H312, H314, H317, H412
Nonylphenol CAS-No. 84852-15-3	5-10% Acute Tox. 4; Skin Corr. 1B; Eye Dam. 1; Repr. 2; Aquatic Acute 1; Aquatic Chronic 1; H302, H314, H361, H410
Included in Substances of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH)	
Phenol CAS-No. 108-95-2	1-5% Acute Tox. 3; Skin Corr. 1B; Eye dam. 1; Muta. 2; STOT RE 2; Aquatic Acute 3; Aquatic Chronic 2; H301 + H311 + H331, H314, H318, H341, H373, H402, H411

4. FIRST AID MEASURES

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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.

5. FIRE-FIGHTING MEASURES

Suitable media: Use dry chemical, CO₂, water spray (fog) or foam.
Not suitable: Do not use water jet.
Combustion products: Carbon monoxide, carbon dioxide, phenolics, ammonia gas.
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: Recover free product. Use suitable oil adsorbent and dispose of material in accordance with all regulations. Keep product out of sewers and watercourses, prevent soil penetration. Advise authorities if large amounts of product enter waterways or extensive land areas.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Components with occupational exposure limits:

Component	USA OELs
Benzyl alcohol CAS-No. 100-51-6	10 ppm TWA (AIHA WEEL)
Phenol CAS-No. 108-95-2	5 ppm TWA (ACGIH) 5 ppm TWA (OSHA)

Engineering controls: Use with adequate ventilation.
Eye/face protection: Safety glasses. Ensure eye bath is to hand.

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Hand protection: Protective gloves. Nitrile or butyl rubber recommended.
Skin protection: No additional protection required beyond normal industrial attire is required.
Respiratory protection: No special measures required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor: Yellowish viscous liquid, amine odor
pH: Not applicable, insoluble in water
Flash point: >115°C (240°F) (COC)
Evaporation rate: No data
Upper flammability limit: No data
Lower flammability limit: No data
Vapor pressure: No data
Vapor density: No data
Relative density: 0.9
Density: 7.5 lb/gal
Solubility: Insoluble in water
Viscosity: Viscous liquid
Volatiles by volume: No data

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, phenolics, ammonia gas

11. TOXICOLOGICAL INFORMATION

Potential acute health effects

Acute toxicity: Harmful if swallowed.
Eye damage/irritation: Causes serious eye damage, including irreversible corneal damage.
Skin corrosion/irritation: Causes severe skin burns.

Potential chronic health effects

Sensitization: May cause allergic skin reaction
Carcinogenicity: No ingredients listed as carcinogens
Mutagenicity: Suspected of causing genetic effects
Reproductive toxicity: Suspected of damaging fertility or the unborn child
STOT repeated exposure: May cause damage to organs through prolonged or repeated exposure

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12. ECOLOGICAL INFORMATION

Ecotoxicity:	Toxic to aquatic life with long lasting effects
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.
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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. (nonylphenol)
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: Phenol, CAS-No. 108-95-2.

State Regulations

California Prop 65: No ingredients listed.

Massachusetts Right to Know: Benzyl alcohol, CAS-No. 100-51-6; Phenol, CAS-No. 108-95-2.

New Jersey Right to Know: Benzyl alcohol, CAS-No. 100-51-6; 3-Aminomethyl-3,5,5-trimethylcyclohexylamine, CAS-No. 2855-13-2; 4-Nonylphenol, branched, CAS-No. 84852-15-3; Phenol, CAS-No. 108-95-2.

Pennsylvania RTK Hazardous Substances: 4-Nonylphenol, branched, CAS-No. 84852-15-3.

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

International regulations

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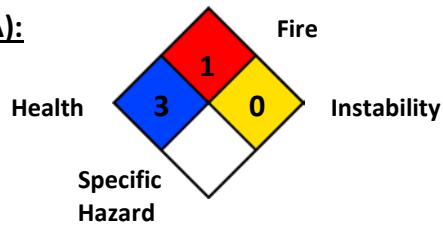
Canada: WHMIS Classification: D2A, D2B, E. **WHMIS:** This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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 in section 14.

END OF SAFETY DATA SHEET