

Check Seal 22 Thin 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 Thin Part A
Product Code(s): CS22TA
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)
Specific target organ toxicity – single exposure (Category 3)
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
H335 – May cause respiratory tract irritation
H411 – Toxic to aquatic life with long lasting effects

Precautionary statements:

P261 – Avoid breathing vapors
P273 – Avoid release to the environment

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P280 – Wear protective gloves/eye protection/face protection
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water
P304 + P312 – IF INHALED: Call a doctor if you feel unwell
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%

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, halogenated compounds.
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

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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: 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: 249°C (480°F) (PMCC)

Evaporation rate: No data

Upper flammability limit: No data

Lower flammability limit: No data

Vapor pressure: No data

Vapor density: No data

Relative density: 1.17

Density: 9.8 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

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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.

STOT single exposure: May cause respiratory tract irritation.

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

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.

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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: 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

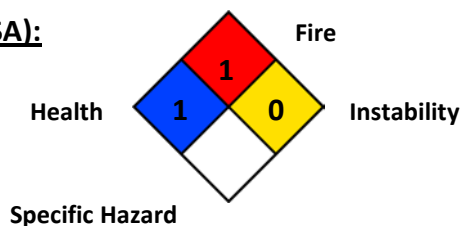
Canada: WHMIS Classification: D2B: Material causing other toxic effects (toxic). **WHMIS:** This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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 5 Dec 2018. Rev 1: reviewed with no changes.
Rev 2: reviewed with no changes.

END OF SAFETY DATA SHEET

Check Seal 22 Thin 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 Thin Part B
Product Code: CS22TB
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 CS22TB

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

2. HAZARDS IDENTIFICATION

GHS Classification

Skin irritation (Category 2)
Serious eye damage/eye irritation (Category 2A)
Skin sensitization (Category 1)
Respiratory sensitization (Category 1)
Reproductive toxicity (Category 2)
Reproductive toxicity (Category 2)
Specific target organ toxicity, single exposure (Category 3)
Specific target organ toxicity, repeated exposure (Category 1)

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
H335 – May cause respiratory tract irritation
H361d – Suspected of damaging the unborn child

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H361f – Suspected of damaging fertility

H372 – Causes damage to organs through prolonged or repeated exposure: (kidneys, lungs, liver, skin)

Precautionary statements:

P202 – Do not handle until all safety precautions have been read and understood.

P280 – Wear protective gloves/protective clothing/eye protection/face protection

P260 – Do not breathe vapors

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.

P304 + P340 – IF INHALED: remove person to fresh air and keep comfortable for breathing.

P314 – Get medical attention or advice if you feel unwell

Other hazards: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Amine based epoxy hardener

Hazardous components

Component	Concentration
Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines CAS-No. 68410-23-1	90-100%
Triethylenetetramine CAS-No. 112-24-3	5-10%

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 15 minutes, keeping eyelids open. Get medical attention.

Note to physician: Treat symptomatically.

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, 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.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate personal protection equipment (see section 8).
Environmental precautions: Recover free product. Use suitable 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, away from strong oxidizers and acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Chemical name	CAS no.	US WEEL
Triethylenetetramine	112-24-3	1 ppm TWA (skin)

Engineering controls: Use with adequate ventilation.
Eye/face protection: Safety glasses. Safety goggles where risk of splash exists. Ensure eye bath is to hand.
Hand protection: Protective gloves. Nitrile 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: Viscous reddish-brown liquid, amine odor
pH: No data
Flash point: > 110°C (230°F) (open cup)
Evaporation rate: No data
Upper flammability limit: No data
Lower flammability limit: No data
Vapor pressure: No data
Vapor density: 1
Relative density: 0.97
Solubility: Slightly soluble in water

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Viscosity: 3000-4000 cPs at 40°C

10. STABILITY AND REACTIVITY

Chemical stability: Stable
Polymerization: Will not occur
Conditions to avoid: Extreme heat
Incompatible materials: Strong oxidizers
Hazardous decomposition products: Carbon oxides, other unknown products

11. TOXICOLOGICAL INFORMATION

Potential acute health effects

Acute toxicity:

Fatty acids, C18-unstd., dimers, reaction products with polythelylenepolyamines:

LD50 oral – rat – >5000 mg/kg

Triethylenetetramine:

LD50 oral – rat – 2500 mg/kg

Eye damage/irritation:

Triethylenetetramine: Causes moderate to severe eye irritation.

Skin corrosion/irritation:

Triethylenetetramine: Causes severe skin irritation.

Potential chronic health effects

Sensitization:

May cause allergic skin and respiratory reactions.

Repeated dose toxicity:

Except for skin and respiratory sensitization, none anticipated.

Carcinogenicity:

No ingredients listed as carcinogens.

Mutagenicity:

No ingredients listed as mutagens.

Reproductive toxicity:

Suspected of damaging fertility and the unborn child.

STOT single exposure:

Respiratory irritation.

STOT repeated exposure:

Kidneys, lungs, liver, skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

No known significant effects or critical hazards.

Persistence/degradability:

No information available.

Bioaccumulative potential:

No information available.

Mobility in soil:

No information available.

Other adverse effects:

No information available.

13. DISPOSAL CONSIDERATIONS

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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: No ingredients listed.

New Jersey Right to Know: No ingredients listed.

Pennsylvania RTK Hazardous Substances: Triethylenetetramine.

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

International regulations

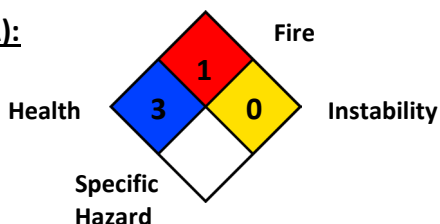
Canada: **WHMIS Classification:** D1A: Material causing immediate and serious toxic effects (very toxic). D2A: Material causing other toxic effects (Very toxic). D2B: Material causing other toxic effects (toxic). **WHMIS:** This product has been classified according to the hazard criteria of the CPR 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 10 Dec 2018. Rev 1: reviewed with no changes. Rev 2: reviewed with no changes.

END OF SAFETY DATA SHEET