

**Product Name:** Congoleum SU-106 Part A Seam Sealer

**Date Revised:** 10/30/2015

**Preparer:** LGD

**Reviewer:** TCG

**SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION**

Product Name: Congoleum SU-106 Part A Seam Sealer  
Manufacturer: Congoleum Corporation  
Address: 3500 Quakerbridge Road  
 Mercerville, NJ 08619  
 800-274-3266  
Emergency Phone: CHEM TEL at 800-255-3924 (24 Hours)  
Product Uses: Seam Sealer

**SECTION 2 – HAZARDS IDENTIFICATION**

**GHS Label Elements:**

Classification: Flammable Liquid (2)  
 Skin Irritant (2);  
 Eye Irritation (2A);  
 Acute Toxin-Oral (4);  
 Acute Toxin-Inhalation (5);  
 STOST Single exposure (3)  
 Respiratory Tract Irritant  
 Skin Sensitizer (1)  
 Respiratory Sensitizer (1)  
 Highly flammable liquid and vapor; May cause allergy or asthma symptoms or breathing difficulties if inhaled; Causes skin irritation; May cause allergic skin reaction; Causes Serious eye irritation; Harmful if swallowed; May be harmful if inhaled; May cause respiratory irritation.

Signal Word: **DANGER**

Pictogram:



**Precautionary Statements:**

Keep out of reach of children; Read label before use; If medical advice is needed: Have product container or label at hand.

**Prevention:** Keep container tightly closed; Keep away from heat, sparks, and open flame; No Smoking; Wear protective gloves and eye/face protection; Ground container and receiving equipment; Use explosion-proof electrical, ventilating, and lighting equipment; Take precautionary measures against static discharge; Use only non-sparking tools; Wash thoroughly after handling; Wear eye/face protection; Do not eat, drink or smoke when using this product; Use only outdoors or in well-ventilated area; Avoid breathing vapors and mist; In case of inadequate ventilation wear respiratory protection; Contaminated work clothing should not be allowed out of the workplace

**Response:** In case of fire, use dry chemical or alcohol type foam for extinction; If skin irritation or rash occurs, get medical advice/attention; Take off contaminated clothing and wash before re-use; If eye irritation persists, get medical advice/attention; Rinse mouth; Call a **POISON CENTER** or doctor/physician if you feel unwell; **IF ON SKIN (or hair):** Remove immediately all contaminated clothing. Rinse skin with water; **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing; **IF SWALLOWED:** Call a **POISON CENTER** or doctor/physician if you feel unwell; **IF INHALED:** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing; **IF INHALED:** Call a **POISON CENTER** or doctor/physician if you feel unwell.

**Storage:** Store in cool/well-ventilated place; Store locked up.

**Disposal:** Dispose of in accordance with local, regional, and national regulations.

<b>SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS</b>
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Components	CAS Number	Weight %	GHS-US Classification
Tetrahydrofuran	109-99-9	<50	Flammable Liquid (2); Eye Irritant (2A); Carcinogenicity (2); STOT-SE (3): Resp
Toluene	108-88-3	<10	Flammable Liquid (2); Acute Toxicity, Oral (4); Skin Irritant (2); Eye Irritant (2A); STOT-SE (3): Resp; STOT-SE (3): Narc; STOT-RE(2); Aspiration Hazard (1)
Dimethyl glutarate	1119-40-0	<10	NA
Dimethyl adipate	627-93-0	<5	Acute Aquatic Toxicity (3)
Methylene bis (4-cyclohexylisocyanate)	5124-30-1	<5	Acute Toxicity, Inhalation (3); Skin Irritant (2); Eye Irritant (2A); Respiratory Sensitizer (1); Skin Sensitizer (1); STOT-SE (3): Resp

\*STOT-SE (3): Resp= Specific Target Organ Toxicity-Single Exposure (3) – Respiratory Tract Irritation

\*STOT-SE (3): Narc= Specific Target Organ Toxicity-Single Exposure (3) – Narcotic Effects

<b>SECTION 4 – FIRST AID MEASURES</b>
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- Eyes: Flush thoroughly with water for at least 15 minutes. Hold eyelids apart to ensure flushing of entire eye surface. Remove contact lenses, if present and easy to do. Consult a physician immediately.
- Skin: Immediately flush with water for 15 minutes. Wash the contaminated skin with soap and water. If clothing becomes contaminated, launder before reuse. If irritation or pain develops, get medical attention.
- Ingestion: DO NOT induce vomiting. Call a physician at once; in the interim contact a poison control center. Administer water or milk, but DO NOT give anything by mouth if the person is unconscious or is having convulsions.
- Inhalation: If a person experiences nausea, headache, or dizziness, person should stop work immediately and move to fresh air until those symptoms disappear. If breathing is difficult, administer oxygen, keep the person warm and at rest, and call a physician. In the event that an individual inhales enough vapors to lose consciousness, that person should be moved to fresh air at once and a physician should be called immediately. If breathing has stopped, artificial respiration should be given immediately. In all cases, ensure adequate ventilation and provide respiratory protection before the person returns to work.

Most important symptoms/effects, acute and delayed as described below:

- Eyes: Eye irritant.
- Skin: Skin irritant; May be absorbed through the skin in harmful amounts; May cause skin sensitization; May cause dermatitis.
- Inhalation: Possible irritation of the respiratory system can occur causing a variety of symptoms such as dryness of the throat, tightness of the chest, and shortness of breath. May cause central nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma. Allergic conditions can occur in certain individuals with high sensitivity to isocyanates; this may result in asthma-like symptoms. May cause respiratory sensitization. May cause lung damage.
- Ingestion: Harmful if swallowed.

<b>SECTION 5 – FIRE FIGHTING MEASURES</b>
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- Suitable Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Fog.
- Unsuitable Extinguishing Media: No information available.
- Special Fire Fighting Procedures: Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). Water spray may be ineffective. If water is used, fog nozzles are preferable.
- Unusual Fire and Explosion Hazards: Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Wear appropriate protective equipment including self-contained breathing apparatus. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment.

Emergency Procedures: As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area) Keep out of low areas. Keep unauthorized personnel away. Stay upwind. Warn personal downwind from spill. Ventilate closed spaces before entering.

Environmental Precautions: Prevent spills from entering storm sewers and drains or contact with soil.

Methods for Clean Up: Stop a small leak, if you can do so without risk. All equipment used when handling the product must be grounded. Absorb or cover with inert absorbent material, sand, or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.

For large spills, dike far ahead of liquid spill for later disposal.

**SECTION 7 – HANDLING AND STORAGE**

- Keep away from heat or ignition sources – No Smoking. Ground equipment when transferring from one vessel to another. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks, or other ignition sources.
- Do not enter confined spaces without following proper procedures.
- Avoid contact with skin and eyes.
- Use only adequate ventilation
- Protect food products and packaging before using this product.
- Keep container closed when not in use.
- Empty containers may retain product residue and flammable vapors.

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control Parameters**

Exposure Guidelines	OSHA PEL		ACGIH TLV-TWA	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Tetrahydrofuran	200	590	200	590
Toluene*	200	750	50	188
Dimethyl glutarate	NE	NE	NE	NE
Dimethyl adipate	NE	NE	NE	NE
Methylene bis (4-cyclohexylisocyanate)	NE	NE	0.005	0.054

NE = Not Established

TLV – TWA = Threshold Limit Value - Time Weighted Average

\* Toluene carries the “SKIN” designation by ACGIH, indicating that it can be absorbed and toxic via skin exposure.

**Additional Exposure Guidelines**

Tetrahydrofuran	ACGIH STEL:250 pm, 737 mg/m <sup>3</sup>
NIOSH REL:	200 ppm, 590 mg/m <sup>3</sup> ;
NIOSH STEL:	250 ppm, 735 mg/m <sup>3</sup>
Toluene	OSHA PEL Ceiling:300 ppm, 1,130 mg/m <sup>3</sup>
NIOSH REL:	100 ppm, 375 mg/m <sup>3</sup>
NIOSH STEL:	150 ppm, 560 mg/m <sup>3</sup>
Methylene bis (4-cyclohexylisocyanate)	NIOSH REL: 0.01 ppm ceiling, 0.11 mg/m <sup>3</sup>

**Exposure Controls**

Eye Protection:

Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

Skin Protection:

Use neoprene, nitrile, or rubber gloves to prevent skin contact.

Ventilation:

Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits. Caution: Solvent vapors are heavier than air and collect in lower levels of the work area. Sufficient ventilation (using explosion-proof equipment) should be provided to prevent flammable vapor/air mixtures from accumulating.

Respiratory Protection:

Use a NIOSH approved chemical/mechanical filter respirator designed to remove a combination of particulates and organic vapor if occupational limits are exceeded. For emergency situations, confined spaces, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. Observe OSHA regulations (29 CFR 1910.134) for respirator use. This product contains isocyanates which have poor odor warning properties. If occupational exposure limits are exceeded, a NIOSH approved supplied-air respirator is required.

Other Protective Equipment:

Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse. When spray-applying this material and exposure to overspray may occur, impervious protective clothing, including head covering and face shield, gloves, and overshoes are recommended.

Hygiene Practices:

Wash hands before eating, smoking, or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.



<b>SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES</b>
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Appearance:	Clear liquid
Odor:	Solvent odor
Odor Threshold:	Not Available
Physical State:	Liquid
pH:	Not Available
Melting Point/ Freezing Point:	Not Available
Boiling Range:	151-232 °F
Flash Point:	1 °F (-17 °C) by Setaflash closed cup
Evaporation Rate:	Faster than n-butyl-acetate
Flammability (solid; gas):	Not Available
Upper/Lower Explosive Limits (% by volume of vapor):	Lower: 1.2; Upper: 11.8
Oxidizing Properties:	Not Available
Vapor Pressure:	Not Available
Vapor Density:	Heavier than air
Specific Gravity or Relative Density:	Not Available
Solubility(ies):	Not Available
Water Solubility:	Insoluble
Fat Solubility (solvent –oil to be specified):	Not Available
Partition Coefficient (n-octanol/water):	Not Available
Viscosity:	Not Available
Bulk Density:	8.25 lbs/gallon
Percent Volatile:	62.82% by volume; 56.21 % by weight
Volatile Organic Compounds:	4.64 lb/gal; 556 g/l (calculated)

<b>SECTION 10 – STABILITY AND REACTIVITY</b>
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<u>Chemical Stability:</u>	Product is stable under normal storage conditions.
<u>Conditions to Avoid:</u>	Keep away from heat, sparks, flame or other sources of ignition.
<u>Incompatible Materials:</u>	Strong acids, bases, and strong oxidizers. Amines, acids, water, hydroxyl, or active hydrogen compounds.
<u>Hazardous Decomposition Products:</u>	Carbon monoxide, carbon dioxide. Monomeric isocyanate, traces of hydrogen cyanide, nitrogen dioxide.
<u>Possibility of Hazardous Reactions:</u>	Hazardous polymerization will not occur under normal conditions.

<b>SECTION 11 – TOXICOLOGICAL INFORMATION</b>
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No toxicological data were found for this mixture of chemicals.

Potential Routes of Exposure: Eyes, mouth, lungs, skin (contact and adsorption).

Exposure:

<b>SECTION 12 – ECOLOGICAL INFORMATION</b>
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Components of this product are toxic to aquatic life. Do not dump into waterways.

<b>SECTION 13 – DISPOSAL CONSIDERATIONS</b>
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Disposal should conform to federal (40 CFR part 261), state, and local regulations. Before attempting cleanup, refer to hazard information and personal protection information in other sections of this SDS. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

<b>SECTION 14 – TRANSPORT INFORMATION</b>
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In accordance with ICAO/IATA/DOT/TDG

**CAUTION:** **SHIPMENTS VIA AIR ARE NOT PERMITTED.** Current packaging does not meet all the specific requirements for air shipments.

U.S.D.O.T. Proper Shipping Name (HM215 Part 172.101)*:	Consumer Commodity ORM-D**
U.S.D.O.T. ID No.:	Not Applicable.
U.S.D.O.T. Label Required:	None
U.S.D.O.T. Hazard Class:	ORM-D
U.S.D.O.T. Packing Group:	II
Other Information:	US Surface Freight Classification - Seam Sealer Lacquer (NMFC Item 149980)

\* Applicable also to Canada via rail and truck.

\*\* Consumer Commodity ORM-D Requirements: The gross weight of each package must not exceed 30 kg (66 pounds) gross weight. For flammable liquids in packing Group II, inner packaging must not exceed 1.0 L (0.3 gallons) net capacity each, packed in strong outer packaging.

D.O.T. proper shipping name other than consumer commodity ORM-D exceptions, i.e. International (HM 215-A, Part 172.101) Flammable Liquids, N.O.S. (contains toluene and methyl ethyl ketone) 3, UN1993, LTD. Qty. PGII.  
 D.O.T. ID No.: UN1993  
 D.O.T. Label Required: Flammable Liquid  
 D.O.T. Hazard Class: Flammable Liquid 3  
 D.O.T. Packing Group II

**SECTION 15 – REGULATORY INFORMATION**

**OSHA:** This product is considered hazardous as defined by 29 CFR 1910.1200 (OSHA Hazard Communication Standard.)

**SARA 313 Listing:** This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

CAS Number	Chemical Name	Weight %
108-88-3	Toluene	<10
5124-30-1	Methylene bis (4-cyclohexylisocyanate)	<5

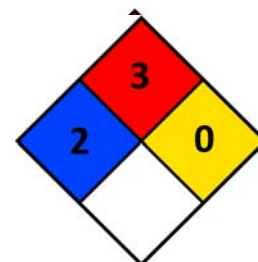
**TSCA Inventory:** The chemical substances in this product are on the TSCA Section 8 Inventory.

**TSCA Export Notification:** This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

CAS Number	Chemical Name
109-99-9	Tetrahydrofuran
1330-20-7	Xylene
106-42-3	P-xylene

**SECTION 16 – OTHER INFORMATION**

**NFPA health hazard** 2 Moderately toxic and hazardous. Requires additional PPE.  
**NFPA fire hazard** 3 - Liquids and solids that can be ignited under almost all ambient conditions.  
**NFPA reactivity** 0 Normally stable,



**HMIS III Rating**  
**Health** 2 Temporary or minor injury may occur.  
**Flammability** 3 Materials capable of ignition under almost all normal temperature conditions.  
**Physical** 0 Materials are normally stable

Given available knowledge, the information contained herein is accurate. However, neither Congoleum Corporation nor any of its subsidiaries or affiliates assumes any liability whatsoever for the completeness or accuracy of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials should be used with caution. Although certain hazards are described herein, Congoleum Corporation cannot guarantee that these are the only hazards that exist.

Supersedes: 5/20/2004; 9/29/2008; 8/8/2011; 11/8/2013

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