



Safety Data Sheet

Revision Date: 05/30/2018

SECTION 1: Identification and Company Details

Product Name: 1092 Contact Cement & Tack Strip Adhesive
Product Code: 1092
Manufacturer/ Supplier: Roberts Consolidated Industries, Inc.
Address: 300 Cross Plains Blvd.
Dalton, GA 30721
Emergency Phone: (800) 424-9300 (24-hour Response / CHEMTREC)
Product Information: (706) 277-5294
Recommended Use: Adhesive

SECTION 2: Hazard(s) Identification

OSHA / HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the substance or mixture: Flammable liquid- Category 2
Inhalation Toxicity Acute Toxicity- Category 3
Skin corrosive- Category 2
Eye corrosive- Category 2A (Eye irritant: Subcategory 2A)
Respiratory sensitizer- Category 1
Carcinogenicity- 1B
Skin sensitizer – Category 1
Reproductive toxin- Category 1A
Aspiration hazard- Category 1

Signal Word: Danger

Hazard Statements: Highly flammable liquid and vapor.
May be fatal if swallowed and enters airway
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation
Toxic if inhaled
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause cancer
May damage fertility or the unborn child



Hazard Pictograms:

Precautionary Statements: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces- No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Take precautionary measures against static discharge.
Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Specific treatment – treat symptomatically.
 Take off contaminated clothing and wash before reuse.
 IF ON SKIN: Wash with soap and water.
 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
 IF exposed or concerned: Get medical advice/attention.
 If skin irritation or a rash occurs: Get medical advice/attention.
 Get medical advice/attention. Call a POISON CENTER or doctor/physician if needed.
 Store locked up.
 Dispose of contents/container in accordance with local authority requirements.

SECTION 3: Composition / Information on Ingredients

	<u>Weight %</u>	<u>CAS #</u>
Toluene	43%	108-88-3
Hexane	18%	110-54-3
Methyl ethyl ketone	6%	78-93-3

SECTION 4: First-Aid Measures

Inhalation: Move victim to fresh air. Consult physician if necessary.
Skin Contact: Wash with soap and water. Remove contaminated clothing. Consult physician if necessary.
Eye Contact: Flush with copious amounts of water for at least 15 minutes. Remove contact lenses if possible. Consult physician if necessary.
Ingestion: Do not induce vomiting. Wash mouth with water. Consult physician.
Note to Physician: **Eyes:** Stain for evidence of corneal injury. If cornea is burned, instill antibiotic steroid preparation.
Skin: This compound is a known skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burns. If burned, treat as thermal burn. **Ingestion:** Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of this compound. **Respiratory:** Treatment is essentially symptomatic. Remove individual with symptoms from exposure and assist in breathing if necessary.

SECTION 5: Fire-Fighting Measures

Extinguishing Media: In case of fire use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.
Hazardous Combustion Products: Aldehydes, hydrocarbons, carbon monoxide, carbon dioxide.
Protection of Firefighters: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Water may not effectively extinguish fire; however, it should be used to keep fire- exposed containers and surfaces cool and prevent explosive rupture.

SECTION 6: Accidental Release Measures

Personal Precautions: Use protective gloves, goggles and suitable protective clothing. Ventilate the area with fresh air. Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools.
Environmental Precautions: Do not allow product to get into drains, soil, or surface water.
Methods of Clean-up: Contain spill. Cover spill area with a fire-extinguishing foam. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible.

SECTION 7: Handling and Storage

Handling Precautions: Provide good ventilation. Keep away from heat/sparks/open flames/hot surfaces. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

Storage: Keep separate from food, feedstuffs, fertilizers and other sensitive material. Store in closed original container at temperatures between 5°C and 30°C/ 40°F and 86°F. Protect from freezing and direct sunlight. Store away from oxidizing agents.

SECTION 8: Exposure Control / Personal Protection

Exposure Guidelines: Not determined

Engineering Controls: Provide adequate ventilation.

Personal Protective Equipment:

Skin Protection - Permeation resistant gloves (butyl rubber, nitrile rubber, PVC or polyvinyl alcohol).

Eye/Face Protection - Glasses with side shields, chemical splash goggles and/or face shield.

Chemical Name / CAS No	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Toluene/ 108-88-3	20 ppm TWA	200 ppm TWA	NIOSH: 100 ppm TWA; 375 mg/m ³ TWA 150 ppm STEL; 560 mg/m ³ STEL
Hexane/ 110-54-3	500 ppm TWA 1800 mg/m ³ TWA	50 ppm TWA;	NIOSH: 50 ppm TWA; 180 mg/m ³ TWA
Methyl ethyl ketone/ 78-93-3	200 ppm TWA; 590 mg/m ³ TWA	300 ppm STEL 200 ppm TWA	NIOSH: 200 ppm TWA 590 mg/m ³ TWA 300 ppm STEL; 885 mg/m ³ STEL

SECTION 9: Physical and Chemical Properties

Appearance: Tan liquid
Odor: Aromatic Solvent
Relative Density: 0.86
Odor Threshold: Not available
Solubility: Not soluble in water
pH: N/A
Partition Coefficient: n-octanol/water; Not determined
Melting Point: Not determined
Freezing Point: Not determined
Auto-ignition Temperature: Not determined
Flash Point: -22°C/ -8°F
Decomposition Temperature: Not determined
Evaporation Rate: Not determined
Viscosity: Not determined
Flammability (Solid/Gas): Not applicable
Upper/Lower Flammability: Not determined
VOC Content: 660 g/L
Vapor Pressure: Not Determined
Boiling Point: tested value

SECTION 10: Stability and Reactivity

Chemical Stability: Stable under normal temperature conditions and recommended use.
Conditions to Avoid: Excessive heat (sparks and/or flames), direct sunlight and/or frost.
Materials to Avoid: Strong oxidizing agents.

SECTION 11: Toxicological Information**Mixture Toxicity:**

Oral Toxicity LD50: 4,877mg/kg
Inhalation Toxicity LC50: 9mg/L

Component Toxicity:

108-88-3 TOLUENE Oral LD50: 2,600 mg/kg (Rat) Inhalation LC50: 13 mg/L (Rat)
110-54-3 Hexane Dermal LD50: 3,000 mg/kg (Rabbit)

78-93-3 Methyl ethyl ketone Oral LD50: 2,483 mg/kg (Rat) Dermal LD50: 5,000 mg/kg (Rabbit)

Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin Contact:

Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain.
Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

SECTION 12: Ecological Information**Component Ecotoxicity:****Toluene**

96 Hr LC50 Pimephales promelas: 15.22 - 19.05 mg/L [flow-through] (1 day old); 96 Hr LC50 Pimephales promelas: 12.6 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.89 - 7.81 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 14.1 - 17.16 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.8 mg/L [semi-static]; 96 Hr LC50 Lepomis macrochirus: 11.0 - 15.0 mg/L [static]; 96 Hr LC50 Oryzias latipes: 54 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 28.2 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 50.87 - 70.34 mg/L [static]

48 Hr EC50 Daphnia magna: 5.46 - 9.83 mg/L [Static]; 48 Hr EC50 Daphnia magna: 11.5 mg/L

96 Hr EC50 Pseudokirchneriella subcapitata: >433 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 12.5 mg/L [static]

Hexane

96 Hr LC50 Pimephales promelas: 2.1 - 2.98 mg/L [flow-through]

Methyl ethyl ketone

96 Hr LC50 Pimephales promelas: 3130 - 3320 mg/L [flow-through]

48 Hr EC50 Daphnia magna: >520 mg/L; 48 Hr EC50 Daphnia magna: 5091 mg/L; 48 Hr EC50 Daphnia magna: 4025 - 6440 mg/L [Static]

SECTION 13: Disposal Considerations

Disposal: Dispose of waste and residues in accordance with local authority requirements. Incineration is the preferred method of disposal.

Wastes or Residues: Same as above.

SECTION 14: Transport Information

Road: DOT Proper Shipping Name: **(49CFR172.101-102): Adhesives (containing flammable solvents)**
DOT Packing Group: II
DOT Hazard Class: 3
DOT Label: **(49CFR172.101-102): Flammable**
UN Number: 1133

D.O.T. PLACARDS REQUIRED (49CFR172.504): **Flammable**

Bill of Lading Description: **Adhesive, N.O.S (Toluene, Methyl Alcohol), Flammable liquid**

Ocean:

Proper Shipping Name: **Adhesives**

Sea – IMO/IMDG Class: 3

UN Number: 1133

Packing Group: II

Air:

Proper Shipping Name: **Adhesives**

Air – ICAO/IATA Class: 3

UN Number: 1133

Packing Group: II

SECTION 15: Regulatory Information

Status on Substance Lists: The concentrations shown in this document are maximum levels (weight %) to be used for regulations.

TSCA: The components of this product are contained on the chemical substance inventory list

OSHA: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

IARC: Not carcinogenic.

OSHA PEL's 108-88-3 Toluene

Federal EPA: Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA): Requires notification of the national response center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4. Components present in this product at level which could require reporting under the statute are:

Chemical Name	CAS Number	% by Weight	RQ
Toluene	108-88-3	43	1000 lbs
Hexane	110-54-3	18	5000 lbs
Methyl ethyl ketone	78-93-3	6	5000 lbs

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III: Sections 301-304 require emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQ) in 40 CFR 355. Components present in this product at level which could require reporting under this statute are:

Chemical Name	CAS Number	% by Weight	RQ
None	None	None	None

Section 311-312 require products be reviewed and applicable EPA Hazard Definitions be identified and made known- **None**

SARA 302 Extremely Hazardous Substances - None

EPA Hazard Classifications:

Acute	Chronic	Fire	Pressure	Reactive
Hazard	Hazard	Hazard	Hazard	Hazard
Yes	Yes	Yes	No	No

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR.

110-54-3 Hexane

108-88-3 Toluene

NJ RTK

78-93-3 Methyl ethyl ketone

110-54-3 Hexane

108-88-3 Toluene

Pennsylvania RTK

78-93-3 78-93-3

110-54-3 110-54-3

108-88-3 108-88-3

Massachusetts RTK

78-93-3 Methyl ethyl ketone

110-54-3 Hexane

108-88-3 Toluene

Canada DSL:

All components are on the DSL list or exempt.

California Proposition 65:

Warning: This product can expose you to chemicals including Toluene (108-88-3) and Hexane (110-54-3), which are known to the State of California to cause birth defects or other reproductive harm.

SECTION 16: Other Information

This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).

HMIS RATING: HEALTH- 2, FLAMMABILITY- 3, REACTIVITY- 0, PERSONAL PROTECTION- B

Prepared by: Roberts Consolidated Product Safety & Regulatory Compliance Group, (706) 277-5294

The information herein is given in good faith, but no warranty expressed or implied is made. Roberts Consolidated urges users of this product to evaluate its suitability and compliance with local regulations as Roberts Consolidated cannot foresee the final use of the product, nor the final location of usage.

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