



**SECTION 1: Identification and Company Details**

**Product Name:** ROBERTS 4020 Carpet Pad Adhesive  
**Product Code:** 4020  
**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  
Skin corrosive- Category 2  
Eye corrosive- Category 2A  
Aspiration hazard- Category 1  
Reproductive toxin- Category 1A

**Signal Word:** Danger  
**Hazard Statements:** Highly flammable liquid and vapor  
May be fatal if swallowed and enters airways  
Causes skin irritation  
Causes serious eye irritation  
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.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Use personal protective equipment as required.  
Do NOT induce vomiting.  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
IF ON SKIN: Wash with soap and water.  
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 irritation or a rash occurs: Get medical advice/ attention.

In case of fire: Use fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

Store locked up.

Store in a well ventilated place. Keep container tightly closed and cool.

Dispose of contents/ container in accordance with local authority requirements. Incineration is the preferred method of disposal.

<b>SECTION 3:</b>	<b>Composition / Information on Ingredients</b>	<b>Weight %</b>	<b>CAS #</b>
	Hexane	30%	110-54-3
	TOLUENE	12%	108-88-3

#### **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**

**Flash Point:** -22°C (-8°F)

**LEL:** 1.00

**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:** No particular hazards known.

**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. No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. 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.

<u>Chemical Name / CAS No.</u>	<u>OSHA Exposure Limits</u>	<u>ACGIH Exposure Limits</u>	<u>Other Exposure Limits</u>
Toluene/108-88-3	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375mg/m <sup>3</sup> TWA 150 ppm STEL; 560mg/m <sup>3</sup> STEL
Hexane/ 110-54-3	500ppm TWA; 1800mg/m <sup>3</sup> TWA	50ppm TWA	NIOSH: 50ppm TWA; 180mg/m <sup>3</sup> TWA

**SECTION 9: Physical and Chemical Properties**

**Appearance:** Amber colored liquid

**Odor:** Solvent odor

**Relative Density:** .77

**Odor Threshold:** Not available

**Solubility:** Negligible

**pH:** No data

**Partition Coefficient:** n-octanol/water; Not determined

**Melting Point:** Not determined

**Freezing Point:** Not determined

**Auto-ignition Temperature:** No data

**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:** 520 grams/liter

**Vapor Pressure (mmHg at 20c):** 124

**Boiling Point:** 156° F

**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**

Inhalation Toxicity LC50: 105mg/L

**Component Toxicity**

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

**Acute toxicity:**

**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.

	<u>CAS Number</u>	<u>%Weight</u>
TOLUENE	108-88-3	12

**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

Pimephales promelas (fathead minnow) - 2.5 mg/l - 96.0 h Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 3,878.00 mg/l - 48 h Toxicity to algae EC50 - Chlorella vulgaris (Fresh water algae) - 12,840.00 mg/l - 3 h EC50 - SKELETOMA - 0.30 mg/l - 8 h

**Mobility and Bioaccumulation Potential:** Not determined

**Degradation:** Not determined

**Aquatic Toxicity:** Not determined

**LC50 – 24 hour (Static):** Not determined

**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)**

**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** Toluene/108-88-3

**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:

<b>Chemical Name</b>	<b>CAS Number</b>	<b>% by Weight</b>	<b>RQ</b>
Toluene	108-88-3	12	1000 lbs
Hexane	110-54-3	30	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:

<b>Chemical Name</b>	<b>CAS Number</b>	<b>% by Weight</b>	<b>RQ</b>
None	None	None	None

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

**NJ RTK**

108-88-3 Toluene  
 110-54-3 Hexane

**Pennsylvania RTK**

108-88-3 Toluene  
 110-54-3 Hexane

**SARA 302** Extremely Hazardous Substances - None

**Massachusetts RTK**

108-88-3 Toluene  
 110-54-3 Hexane

**EPA Hazard Classifications:**

Acute Hazard <b>Yes</b>	Chronic Hazard <b>Yes</b>	Fire Hazard <b>Yes</b>	Pressure Hazard <b>No</b>	Reactive Hazard <b>No</b>
-------------------------------	---------------------------------	------------------------------	---------------------------------	---------------------------------

Section 313 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all SDSs that are distributed for this material. Components present in this product at level which could require reporting under the statute are:

TOLUENE/108-88-3

Hexane/ 110-54-3

**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.

Date of issue: 06/01/2018