

Supplied By: **StaFast Building Products**  
 7095 Americana Parkway  
 Reynoldsburg, Ohio 43068  
 1-800-225-4714  
 Trade Name: **RoofKit Contact Adhesive**

**Material Safety Data Sheet**



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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** ROOFKIT CONTACT ADH 4491      **IDH number:** 747900  
**Product type:** Adhesive  
**Region:** United States  
**Company address:** Henkel Corporation  
 One Henkel Way  
 Rocky-Hill, Connecticut 06067  
**Contact information:**  
 Telephone: 860.571.5100  
 For Chemical Emergency: Call CHEMTREC at 800.424.9300  
 Internet: www.henkelna.com

**2. HAZARDS IDENTIFICATION**

<b>EMERGENCY OVERVIEW</b>			
<b>HMS:</b>			
<b>Physical state:</b>	Liquid	<b>HEALTH:</b>	*2
<b>Color:</b>	Natural color	<b>FLAMMABILITY:</b>	3
<b>Odor:</b>	Solvent	<b>PHYSICAL HAZARD:</b>	0
		<b>Personal Protection:</b>	See MSDS Section 8

**DANGER:**      **FLAMMABLE LIQUID AND VAPOR.**  
**MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.**  
**CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.**  
**MAY CAUSE ALLERGIC SKIN AND RESPIRATORY REACTION.**

**Relevant routes of exposure:** Skin, Inhalation, Eyes

**Potential Health Effects**

**Inhalation:** May cause central nervous system effects with nausea, dizziness and headache. May cause irritation to nose and throat. May cause allergic respiratory reaction. Product contains toluene which is harmful or fatal if inhaled or absorbed through the skin, may cause permanent nervous system damage upon repeated exposure, and has been shown to be a human reproductive hazard.

**Skin contact:** May cause severe irritation due to defatting of skin. May cause allergic skin reaction.

**Eye contact:** Liquid or vapor can cause moderate to severe irritation. Prolonged eye contact may cause severe eye damage.

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspirated material can enter the lungs and result in pneumonitis.

**Existing conditions aggravated by exposure:** Pre-existing skin, respiratory, central nervous system, liver and kidney conditions may be susceptible.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous components	CAS NUMBER	%
Toluene	108-88-3	60 - 100
Petroleum Distillates	Proprietary	5 - 10
Ligroine, <0.1% Benzene	8032-32-4	5 - 10
Solvent naphtha (petroleum), light aliphatic	Proprietary	5 - 10
Rosin	8050-09-7	0.1 - 1
Talc	14807-96-6	0.1 - 1

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Immediately remove victim to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.
<b>Skin contact:</b>	After contact with skin, wash immediately with plenty of water. Remove contaminated clothing and footwear. Get medical attention.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	DO NOT induce vomiting unless directed to do so by medical personnel. Get immediate medical attention.

#### 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	0 °C (32°F)
<b>Autolgnition temperature:</b>	Not determined
<b>Flammable/Explosive limits - lower:</b>	Not determined
<b>Flammable/Explosive limits - upper:</b>	Not determined
<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Special firefighting procedures:</b>	Firefighters should wear self-contained breathing apparatus. Water may be ineffective, but may be used to cool exposed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.
<b>Unusual fire or explosion hazards:</b>	Overexposure to decomposition products may cause a health hazard.
<b>Hazardous combustion products:</b>	Smoke. Oxides of carbon.

#### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Do not allow product to enter sewer or waterways.
<b>Clean-up methods:</b>	Remove all sources of ignition. Isolate area. Keep unnecessary personnel away. Wear suitable protective clothing, gloves and eye/face protection. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a closed metal container until ready for disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Remove all sources of ignition. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Make sure containers are properly grounded before use or transfer of material.
<b>Storage:</b>	For safe storage, store at or below 46 °C (114.8 °F)

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Toluene	20 ppm TWA	200 ppm TWA 300 ppm Ceiling 500 ppm MAX. CONC 10 minutes	None	None
Petroleum Distillates	None	None	None	196 ppm TWA
Ligroine, <0.1% Benzene	None	None	None	None
Solvent naphtha (petroleum), light aliphatic	None	None	None	None
Rosin	Included in the regulation but with no data values. See regulation for further details. Exposure by all routes should be carefully controlled to levels as low as possible. (Sensitizer.)	None	None	None
Talc	2 mg/m3 TWA Respirable fraction.	20 MPPCF TWA 2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable. 0.3 mg/m3 TWA Total dust.	None	50 ppm

**Engineering controls:**

Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.

**Respiratory protection:**

Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respiratory use (29 CFR 1910.134).

**Eye/face protection:**

Safety goggles or safety glasses with side shields.

**Skin protection:**

Use impermeable gloves and protective clothing as necessary to prevent skin contact.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state:</b>	Liquid
<b>Color:</b>	Natural color
<b>Odor:</b>	Solvent
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not determined
<b>Vapor pressure:</b>	Not determined
<b>Boiling point/range:</b>	110 - 143 °C (230°F - 289.4 °F)
<b>Melting point/ range:</b>	Not determined
<b>Specific gravity:</b>	0.7 (Water = 1)
<b>Vapor density:</b>	Heavier than air.
<b>Flash point:</b>	0 °C (32°F)
<b>Flammable/Explosive limits - lower:</b>	Not determined
<b>Flammable/Explosive limits - upper:</b>	Not determined
<b>Autoignition temperature:</b>	Not determined
<b>Evaporation rate:</b>	Slower than diethyl ether.
<b>Solubility in water:</b>	Slightly soluble
<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>VOC content:</b>	715 g/l

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at normal conditions.

**Hazardous reactions:** Will not occur.

**Hazardous decomposition products:** Burning, including when heated by welding or cutting, will produce smoke, carbon monoxide and carbon dioxide.

**Incompatible materials:** Strong acids and strong bases. Oxidizing agents.

**Conditions to avoid:** Avoid excessive heat (>46°C (>115°F)) and sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Toluene	No	No	No
Petroleum Distillates	No	No	No
Ligroine, <0.1% Benzene	No	No	No
Solvent naphtha (petroleum), light aliphatic	No	No	No
Rosin	No	No	No
Talc	No	No	No

Hazardous components	Health Effects/Target Organs
Toluene	Behavioral, Cardiac, Central nervous system, Developmental, Ear, Irritant
Petroleum Distillates	Irritant
Ligroine, <0.1% Benzene	Central nervous system, Irritant
Solvent naphtha (petroleum), light aliphatic	Irritant
Rosin	Respiratory, Irritant, Allergen
Talc	Irritant, Lung, Some evidence of carcinogenicity

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of according to Federal, State and local governmental regulations.

**Hazardous waste number:** D001: ignitable.

## 14. TRANSPORT INFORMATION

### U.S. Department of Transportation Ground (49 CFR)

**Proper shipping name:** Adhesives  
**Hazard class or division:** 3  
**Identification number:** UN 1133  
**Packing group:** II  
**DOT Reportable quantity:** Toluene

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Adhesives  
**Hazard class or division:** 3  
**Identification number:** UN 1133  
**Packing group:** II

Water Transportation (IMO/MDG)

Proper shipping name: ADHESIVES  
Hazard class or division: 3  
Identification number: UN 1133  
Packing group: II

**15. REGULATORY INFORMATION**

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.  
TSCA 12(b) Export Notification: None above reporting de minimus  
CERCLA/SARA Section 302 EHS: None above reporting de minimus  
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health, Fire  
CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Toluene (CAS# 108-88-3),  
CERCLA Reportable quantity: Toluene (CAS# 108-88-3) 1,000 lbs. (454 kg)  
California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.  
WHMIS hazard class: B.2, D.2.A, D.2.B

**16. OTHER INFORMATION**

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

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