



# SAFETY DATA SHEET

Revision Date 08-Mar-2018

Version 5

## 1. IDENTIFICATION

### Product identifier

**Product Name** BODY SHOP HEAVY DUTY HEADLINER & CARPET ADHESIVE 16.75OZ AE

### Other means of identification

**Product Code** 27828

### Recommended use of the chemical and restrictions on use

**Recommended Use** Adhesive (Spray, Special Purpose): Automotive Headliner.

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

ITW Permatex  
6875 Parkland Blvd.  
Solon, OH 44139 USA

#### May Also Be Distributed by:

ITW Permatex Canada  
35 Brownridge Road, Unit 1  
Halton Hills, ON Canada L7G 0C6  
Telephone: (800) 924-6994

**24 Hour Emergency Phone Number** Chem-Tel: 800-255-3924  
International Emergency:  
00+1+ 813-248-0585  
Contract Number: MIS0003453

**E-mail address** mail@permatex.com

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|  |               |
|--|---------------|
| Skin corrosion/irritation                          | Category 2    |
| Serious eye damage/eye irritation                  | Category 2    |
| Reproductive toxicity                              | Category 2    |
| Specific target organ toxicity (single exposure)   | Category 3    |
| Specific target organ toxicity (repeated exposure) | Category 2    |
| Aspiration toxicity                                | Category 1    |
| Extremely flammable aerosol                        | Category 1    |
| Gases under pressure                               | Liquefied gas |

### Label elements

#### **Emergency Overview**

#### **Signal word**

**Danger**

Causes skin irritation  
Causes serious eye irritation  
Suspected of damaging fertility or the unborn child

May cause drowsiness or dizziness  
May cause damage to organs through prolonged or repeated exposure  
May be fatal if swallowed and enters airways  
Extremely flammable aerosol  
Pressurized container: May burst if heated  
Contains gas under pressure; may explode if heated



**Appearance** Colorless

**Physical state** Liquid Flammable Aerosol

**Odor** Solvent

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Wear eye/face protection  
Do not breathe dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Do not spray on an open flame or other ignition source  
Pressurized container: Do not pierce or burn, even after use

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
Specific treatment (see supplemental first aid instructions on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up  
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

- Not applicable

Unknown acute toxicity                      20 % of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance(s)**

| Chemical Name | CAS No   | Weight-% |
|---------------|----------|----------|
| N-HEXANE      | 110-54-3 | 15 - 40  |
| ACETONE       | 67-64-1  | 10 - 30  |
| PROPANE       | 74-98-6  | 10 - 30  |
| BUTANE        | 106-97-8 | 10 - 30  |

**4. FIRST AID MEASURES**

**Description of first aid measures**

|   |  |
|---|--|
| <b>General advice</b>                     | Get medical advice/attention if you feel unwell.   |
| <b>Eye contact</b>                        | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| <b>Skin contact</b>                       | IF ON SKIN: Wash skin with soap and water. If skin irritation persists, call a physician. Wash contaminated clothing before reuse.   |
| <b>Inhalation</b>                         | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.  |
| <b>Ingestion</b>                          | IF SWALLOWED: Call a physician or poison control center immediately. Do NOT induce vomiting.   |
| <b>Self-protection of the first aider</b> | Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.  |

**Most important symptoms and effects, both acute and delayed**

**Symptoms** See section 2 for more information.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Carbon dioxide (CO2), Dry chemical, Foam

**Unsuitable extinguishing media**

None.

**Specific hazards arising from the chemical**

Extremely flammable. Keep product and empty container away from heat and sources of ignition. Contains gas under pressure; may explode if heated.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Remove all sources of ignition. Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes and skin. Use personal protective equipment as required.

**Other Information** Ventilate the area.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Eliminate all ignition sources if safe to do so. Ensure adequate ventilation. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Remove all sources of ignition. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Contents under pressure. Do not puncture or incinerate cans. Avoid breathing vapors or mists.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Incompatible materials** Strong oxidizing agents, Amines

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

| Chemical Name        | ACGIH TLV                                | OSHA PEL   | NIOSH IDLH   |
|----------------------|--|--|--|
| N-HEXANE<br>110-54-3 | TWA: 50 ppm<br>S*                        | TWA: 500 ppm<br>TWA: 1800 mg/m <sup>3</sup><br>(vacated) TWA: 50 ppm<br>(vacated) TWA: 180 mg/m <sup>3</sup>   | IDLH: 1100 ppm<br>TWA: 50 ppm<br>TWA: 180 mg/m <sup>3</sup>    |
| ACETONE<br>67-64-1   | STEL: 500 ppm<br>TWA: 250 ppm            | TWA: 1000 ppm<br>TWA: 2400 mg/m <sup>3</sup><br>(vacated) TWA: 750 ppm<br>(vacated) TWA: 1800 mg/m <sup>3</sup><br>(vacated) STEL: 2400 mg/m <sup>3</sup> The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors<br>(vacated) STEL: 1000 ppm | IDLH: 2500 ppm<br>TWA: 250 ppm<br>TWA: 590 mg/m <sup>3</sup>   |
| PROPANE<br>74-98-6   | : See Appendix F: Minimal Oxygen Content | TWA: 1000 ppm<br>TWA: 1800 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1800 mg/m <sup>3</sup>   | IDLH: 2100 ppm<br>TWA: 1000 ppm<br>TWA: 1800 mg/m <sup>3</sup> |
| BUTANE<br>106-97-8   | STEL: 1000 ppm                           | (vacated) TWA: 800 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup>  | TWA: 800 ppm<br>TWA: 1900 mg/m <sup>3</sup>                    |

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls** Showers  
 Eyewash stations  
 Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).  
**Skin and body protection** Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves.  
**Respiratory protection** Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

**Physical state** Liquid; Flammable Aerosol  
**Appearance** Colorless  
**Odor** Solvent  
**Odor threshold** No information available

| <u>Property</u>                | <u>Values</u>            | <u>Remarks • Method</u>  |
|--------------------------------|--------------------------|--|
| pH                             | No information available |  |
| Melting point / freezing point | No information available |  |
| Boiling point / boiling range  | No information available |  |
| Flash point                    | < -20 °C / < -4 °F       | Extremely Flammable Aerosol Gives a flame projection at full valve opening or flashback at any degree of valve opening |
| Evaporation rate               | No information available |  |
| Flammability (solid, gas)      | No information available |  |
| Flammability Limit in Air      |                          |  |
| Upper flammability limit:      | 9.5%                     |  |
| Lower flammability limit:      | 2.1%                     |  |
| Vapor pressure                 | No information available |  |
| Vapor density                  | >1                       | Air = 1  |
| Relative density               | 0.7                      |  |
| Water solubility               | No information available |  |
| Solubility in other solvents   | No information available |  |
| Partition coefficient          | No information available |  |
| Autoignition temperature       | 450 °C / 842 °F          |  |
| Decomposition temperature      | No information available |  |
| Kinematic viscosity            | <20 cSt                  |  |
| Dynamic viscosity              | No information available |  |
| Explosive properties           | No information available |  |
| Oxidizing properties           | No information available |  |

**Other Information**

**Softening point** No information available  
**Molecular weight** No information available  
**VOC Content (%)** 64%

Density No information available  
Bulk density No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions

### Chemical stability

Stable under recommended storage conditions

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Heat, flames and sparks.

### Incompatible materials

Strong oxidizing agents, Amines

### Hazardous Decomposition Products

Carbon oxides

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | May be harmful by inhalation. May cause drowsiness or dizziness.                             |
| <b>Eye contact</b>  | Contact with eyes may cause irritation. May cause redness and tearing of the eyes.           |
| <b>Skin contact</b> | May cause skin irritation and/or dermatitis.   |
| <b>Ingestion</b>    | Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis. |

| Chemical Name        | Oral LD50            | Dermal LD50             | Inhalation LC50                       |
|----------------------|----------------------|-------------------------|---------------------------------------|
| N-HEXANE<br>110-54-3 | = 25 g/kg ( Rat )    | = 3000 mg/kg ( Rabbit ) | = 48000 ppm ( Rat ) 4 h               |
| ACETONE<br>67-64-1   | = 5800 mg/kg ( Rat ) | -                       | = 50100 mg/m <sup>3</sup> ( Rat ) 8 h |
| PROPANE<br>74-98-6   | -                    | -                       | = 658 mg/L ( Rat ) 4 h                |
| BUTANE<br>106-97-8   | -                    | -                       | = 658 g/m <sup>3</sup> ( Rat ) 4 h    |

### Information on toxicological effects

Symptoms No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|                               |  |
|-------------------------------|--|
| <b>Sensitization</b>          | No information available.  |
| <b>Germ cell mutagenicity</b> | No information available.  |
| <b>Carcinogenicity</b>        | No information available.  |
| <b>Target Organ Effects</b>   | Central nervous system, Eyes, Peripheral Nervous System (PNS), Respiratory system, Skin. |

The following values are calculated based on chapter 3.1 of the GHS document .

|                                      |             |
|--------------------------------------|-------------|
| <b>ATEmix (oral)</b>                 | 17211 mg/kg |
| <b>ATEmix (dermal)</b>               | 8000 mg/kg  |
| <b>ATEmix (inhalation-gas)</b>       | 839480 mg/l |
| <b>ATEmix (inhalation-dust/mist)</b> | 400.8 mg/l  |

ATEmix (inhalation-vapor) 128000 mg/l

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

50 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

No information available.

| Chemical Name      | Partition coefficient |
|--------------------|-----------------------|
| ACETONE<br>67-64-1 | -0.24                 |
| PROPANE<br>74-98-6 | 2.3                   |
| BUTANE<br>106-97-8 | 2.89                  |

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated packaging** Do not reuse container.

**US EPA Waste Number** D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name        | California Hazardous Waste Status |
|----------------------|-----------------------------------|
| N-HEXANE<br>110-54-3 | Toxic<br>Ignitable                |
| ACETONE<br>67-64-1   | Ignitable                         |

**14. TRANSPORT INFORMATION**

**DOT**

**UN/ID no** 1950  
**Proper shipping name:** Aerosols, Limited Quantity (LQ)  
**Hazard Class** 2.1  
**Emergency Response Guide Number** 126

**IATA**

**UN/ID no** ID 8000

**Proper shipping name:** Consumer commodity  
**Hazard Class** 9  
**ERG Code** 9L

**IMDG**

**UN/ID no** 1950  
**Proper shipping name:** Aerosols, Limited Quantity (LQ)  
**Hazard Class** 2.1  
**EmS-No** F-D, S-U

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDSL** Complies  
**EINECS/ELINCS** Complies  
**ENCS** Not determined  
**IECSC** Complies  
**KECL** Complies  
**PICCS** Complies  
**AICS** Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name       | SARA 313 - Threshold Values % |
|---------------------|-------------------------------|
| N-HEXANE - 110-54-3 | 1.0                           |

**SARA 311/312 Hazard Categories**

**Acute health hazard** Yes  
**Chronic Health Hazard** Yes  
**Fire hazard** Yes  
**Sudden release of pressure hazard** No  
**Reactive Hazard** No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name        | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|----------------------|--------------------------|----------------|--|
| N-HEXANE<br>110-54-3 | 5000 lb                  | -              | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |
| ACETONE<br>67-64-1   | 5000 lb                  | -              | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

**US State Regulations**



**California Proposition 65**

This product contains the following Proposition 65 chemicals

| Chemical Name       | California Proposition 65 |
|---------------------|---------------------------|
| N-HEXANE - 110-54-3 | Developmental             |

**U.S. State Right-to-Know Regulations**

| Chemical Name        | New Jersey | Massachusetts | Pennsylvania |
|----------------------|------------|---------------|--------------|
| N-HEXANE<br>110-54-3 | X          | X             | X            |
| ACETONE<br>67-64-1   | X          | X             | X            |
| PROPANE<br>74-98-6   | X          | X             | X            |
| BUTANE<br>106-97-8   | X          | X             | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**WHMIS Hazard Class**

A Compressed gases, B5 - Flammable aerosol, D2B - Toxic materials

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

**NFPA** Health hazards 2 Flammability 4 Instability 0 -  
**HMIS** Health hazards 2 Flammability 4 Physical hazards 0 Personal protection B

NFPA (National Fire Protection Association)  
 HMIS (Hazardous Material Information System)

Revision Date 08-Mar-2018

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**