



## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.28.2016

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### Bead Sealer

#### SECTION 1: Identification

##### Product identifier

**Product name:** Bead Sealer

**Product code:** 735, 735G, 735-5G, 735-55G

**Additional information:** Rev. 5

##### Recommended use of the product and restriction on use

**Relevant identified uses:** Rubber adhesive

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

##### Manufacturer or supplier details

###### Manufacturer:

###### United States

Tech International

200 East Coshocton Street

Johnstown, OH 43031

1-740-967-9015

www.tech-international.com

##### Emergency telephone number:

###### United States

CHEMTREC

Within USA and Canada: 1-800-424-9300

Outside USA and Canada: +1-703-527-3887

#### SECTION 2: Hazard(s) identification

##### GHS classification:

Flammable liquids, category 2

Skin irritation, category 2

Specific target organ toxicity - single exposure, category 3, central nervous system

##### Label elements

###### Hazard pictograms:



**Signal word:** Danger

##### Hazard statements:

H225 Highly flammable liquid and vapor

H315 Causes skin irritation

H336 May cause drowsiness or dizziness

##### Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking

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P233 Keep container tightly closed  
P240 Ground/bond container and receiving equipment  
P241 Use explosion-proof electrical/ventilating/light/equipment  
P242 Use only non-sparking tools  
P243 Take precautionary measures against static discharge  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P264 Wash skin thoroughly after handling  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
P271 Use only outdoors or in a well-ventilated area  
P302+P352 IF ON SKIN: Wash with soap and water  
P303+P361+P353 IF ON SKIN (or hair): Immediately remove/take off all contaminated clothing. Rinse skin with water/shower  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P301+P310 IF SWALLOWED: Immediately call a poison center or doctor/physician  
P331 Do not induce vomiting  
P332+P313 If skin irritation occurs: Get medical advice/attention  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P321 Specific treatment (see supplemental first aid instructions on this label).  
P362 Take off contaminated clothing and wash before reuse  
P370+P378 In case of fire: Use agents recommended in section 5 for extinction  
P405 Store locked up  
P403+P233 Store in a well ventilated place. Keep container tightly closed  
P403+P235 Store in a well ventilated place. Keep cool.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazards not otherwise classified:** None

## SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 426260-76-6	Heptane, branched, cyclic and linear	80-90
CAS number: 9003-31-0	Natural Rubber	9-15
CAS number: 1333-86-4	Carbon Black	1.5-3
CAS number: 142-82-5	Heptane	<4
CAS number: 68476-34-6	Diesel Fuel No. 2	<0.1

### Additional Information:

Carbon black is classified as a carcinogen only in its respirable form. Since the carbon black in this product is not respirable, the product itself is not classified as a carcinogen in the form presented. The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).

## SECTION 4: First aid measures

### Description of first aid measures

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### General notes:

Not determined or not applicable.

### After inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

### After skin contact:

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

Take off all contaminated clothing

Gently blot or brush away excess product

Wash with plenty of lukewarm, gently flowing water

Get medical advice if skin irritation occurs or you feel unwell

### After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes

If symptoms develop or persist, seek medical attention

### After swallowing:

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

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

### Acute symptoms and effects:

Not determined or not applicable.

### Delayed symptoms and effects:

Not determined or not applicable.

## Immediate medical attention and special treatment

### Specific treatment:

Not determined or not applicable.

### Notes for the doctor:

Not determined or not applicable.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media:

Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam

#### Unsuitable extinguishing media:

Do not use a water stream as an extinguisher

### Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

Vapors can flow to distant ignition sources and flashback

Liquid is volatile and may generate an explosive atmosphere

### Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

### Special precautions:

Shut off sources of ignition

Carbon monoxide and carbon dioxide may form upon combustion

Heating causes a rise in pressure, risk of bursting and combustion

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### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures:

- Ensure adequate ventilation
- Ensure air handling systems are operational
- Wear protective eye wear, gloves and clothing
- Beware of vapors accumulating to form explosive concentrations
- Vapors can accumulate in low areas

#### Environmental precautions:

- Should not be released into the environment
- Prevent from reaching drains, sewer or waterway

#### Methods and material for containment and cleaning up:

- Wear protective eye wear, gloves and clothing
- Use spark-proof tools and explosion-proof equipment
- Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)
- Dispose of contents / container in accordance with local regulations

#### Reference to other sections:

Not determined or not applicable.

### SECTION 7: Handling and storage

#### Precautions for safe handling:

- Use only with adequate ventilation.
- Avoid breathing mist or vapor.
- Do not eat, drink, smoke or use personal products when handling chemical substances.
- Take precautionary measures against electrostatic discharges.
- Use only non-sparking tools.

#### Conditions for safe storage, including any incompatibilities:

- Keep container tightly sealed.
- Protect from freezing and physical damage.
- Store in a cool, well-ventilated area.
- Store away from all ignition sources (open flames, hot surfaces, direct sunlight, spark sources).

### SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

#### Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
United States (OSHA)	Heptane	142-82-5	OSHA PEL TWA: 500 ppm
	Heptane	142-82-5	OSHA PEL TWA 2,000 mg/m <sup>3</sup>
ACGIH	Heptane	142-82-5	ACGIH TLV TWA: 400 ppm
	Diesel Fuel No. 2	68476-34-6	ACGIH TLV TWA: 100.0 mg/m <sup>3</sup> (Vapor and aerosol as total hydrocarbons)
	Heptane	142-82-5	15-minute Short term exposure limit: 1000 mg/m <sup>3</sup>
	Carbon Black	1333-86-4	TLV-TWA 3.0 mg/m <sup>3</sup>
NIOSH	Carbon Black	1333-86-4	NIOSH REL TWA 3.5 mg/m <sup>3</sup> Ca
	Heptane	142-82-5	NIOSH TWA: 350 mg/m <sup>3</sup> (85 ppm)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Heptane	142-82-5	10-hour REL: 350 mg/m <sup>3</sup> (85 ppm)
	Heptane	142-82-5	Ceiling limit: 1800 mg/m <sup>3</sup> (440 ppm)
	Carbon Black	1333-86-4	NIOSH REL TWA 0.1 mg PAHs/m <sup>3</sup> [Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)]

### Biological limit values:

No biological exposure limits noted for the ingredient(s).

### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.

Biological monitoring may also be appropriate for some substances.

### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. Use explosion-proof ventilation equipment.

### Personal protection equipment

#### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

#### Skin and body protection:

Select glove material impermeable and resistant to the substance. For continuous contact, we recommend nitrile gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes where suitable gloves can be identified. Glove thickness should be typically greater than 0.35 mm depending on the glove make and model. Always seek advice from glove suppliers.

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Comply with the OSHA respirator regulations found in 29 CFR 1910.134.

### General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	Black Viscous Liquid
Odor	Strong Solvent
Odor threshold	Not determined or not available.

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<b>pH</b>	Not determined or not available.
<b>Melting point/freezing point</b>	Not determined or not available.
<b>Initial boiling point/range</b>	190°F (88°C)
<b>Flash point (closed cup)</b>	15°F (-9°C)
<b>Evaporation rate</b>	>1 (n-BuAC=1)
<b>Flammability (solid, gas)</b>	Not determined or not available.
<b>Upper flammability/explosive limit</b>	6.7% (V)
<b>Lower flammability/explosive limit</b>	1.2% (V)
<b>Vapor pressure</b>	119 mmHg at 20°C (68°F)
<b>Vapor density</b>	Not determined or not available.
<b>Density</b>	Not determined or not available.
<b>Relative density</b>	0.73 g/cm <sup>3</sup> (6.22 lbs./gal) at 20°C (68°F)
<b>Solubilities</b>	Not determined or not available.
<b>Partition coefficient (n-octanol/water)</b>	Not determined or not available.
<b>Auto/Self-ignition temperature</b>	Not determined or not available.
<b>Decomposition temperature</b>	Not determined or not available.
<b>Dynamic viscosity</b>	Not determined or not available.
<b>Kinematic viscosity</b>	15000
<b>Explosive properties</b>	Not determined or not available.
<b>Oxidizing properties</b>	Not determined or not available.

### Other information

<b>VOC</b>	613 g/L
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## SECTION 10: Stability and reactivity

### Reactivity:

Does not react under normal conditions of use and storage.

### Chemical stability:

Stable under normal conditions of use and storage.

### Possibility of hazardous reactions:

None under normal conditions of use and storage.

### Conditions to avoid:

Excess heat, ignition source or flames.

### Incompatible materials:

None known.

### Hazardous decomposition products:

None known.

## SECTION 11: Toxicological information

### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

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Name	Route	Result
Heptane	inhalation	LC50 Rat: > 29.29 mg/L (4 hr)
	oral	LD50 Rat: > 5000 mg/kg

### Skin corrosion/irritation

**Assessment:**

Causes skin irritation

**Product data:**

No data available.

**Substance data:**

Name	Result
Heptane, branched, cyclic and linear	Causes skin irritation.
Heptane	Causes skin irritation.

### Serious eye damage/irritation

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Respiratory or skin sensitization

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Species	Result
Carbon Black	Not applicable	The IARC carcinogenic classification and California Proposition 65 Warning only apply to airborne, unbound particles of respirable size of Carbon Black.

### International Agency for Research on Cancer (IARC):

Name	Classification
Carbon Black	Group 2B - Possibly carcinogenic to humans
Natural Rubber	Group 3 - Not classifiable as to its carcinogenicity to humans
Diesel Fuel No. 2	Group 2B - Possibly carcinogenic to humans

**National Toxicology Program (NTP):** None of the ingredients are listed.

### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

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## Bead Sealer

No data available.

**Substance data:** No data available.

### Specific target organ toxicity (single exposure)

**Assessment:**

May cause drowsiness or dizziness

**Product data:**

No data available.

**Substance data:**

Name	Result
Heptane, branched, cyclic and linear	May cause drowsiness or dizziness.
Heptane	May cause drowsiness or dizziness.

### Specific target organ toxicity (repeated exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

Name	Result
Heptane, branched, cyclic and linear	May be fatal if swallowed and enters airways.
Heptane	May be fatal if swallowed and enters airways.

### Information on likely routes of exposure:

No data available.

### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

### Other information:

No data available.

## SECTION 12: Ecological information

### Acute (short-term) toxicity

**Assessment:**

Toxic to aquatic life

**Product data:** No data available.

**Substance data:**

Name	Result
Heptane	LC50 - Carassius auratus (goldfish) - 4 mg/l - 24.0 h
	EC50 - Daphnia magna - 82.5 mg/L - 96 h

### Chronic (long-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.



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### Persistence and degradability

**Product data:** No data available.

**Substance data:**

Name	Result
Heptane	Readily biodegradable in water.

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:**

Name	Result
Heptane	Calculated BCF: 552 (Not expected to bioaccumulate).

### Mobility in soil

**Product data:** No data available.

**Substance data:**

Name	Result
Heptane	Moderately Mobile (log Koc: 2.38)

**Other adverse effects:** No data available.



## SECTION 13: Disposal considerations

### Disposal methods:



It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

## SECTION 14: Transport information

### United States Transportation of dangerous goods (49 CFR DOT)

UN number	UN1133
UN proper shipping name	Adhesives
UN transport hazard class(es)	3  
Packing group	II
Environmental hazards	Marine Pollutant (Heptane and Heptane, Branched, cyclic and linear)
Special precautions for user	None

### International Maritime Dangerous Goods (IMDG)

UN number	UN1133
UN proper shipping name	Adhesives
UN transport hazard class(es)	3  
Packing group	II
Environmental hazards	Marine Pollutant (Heptane and Heptane, Branched, cyclic and linear)
Special precautions for user	None

### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

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<b>UN number</b>	UN1133
<b>UN proper shipping name</b>	Adhesives
<b>UN transport hazard class(es)</b>	3  
<b>Packing group</b>	II
<b>Environmental hazards</b>	Marine Pollutant (Heptane and Heptane, Branched, cyclic and linear)
<b>Special precautions for user</b>	None

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
<b>Bulk Name</b>	None
<b>Ship type</b>	None
<b>Pollution category</b>	None

**SECTION 15: Regulatory information**

**United States regulations**

**Inventory listing (TSCA):**

9003-31-0	Natural Rubber	Listed
1333-86-4	Carbon Black	Listed
68476-34-6	Diesel Fuel No. 2	Listed
426260-76-6	Heptane, branched, cyclic and linear	Listed
142-82-5	Heptane	Listed

**Significant New Use Rule (TSCA Section 5):** None of the ingredients are listed.

**Export notification under TSCA Section 12(b):** None of the ingredients are listed.

**SARA Section 302 extremely hazardous substances:** None of the ingredients are listed.

**SARA Section 313 toxic chemicals:** None of the ingredients are listed.

**CERCLA:** None of the ingredients are listed.

**RCRA:** None of the ingredients are listed.

**Section 112(r) of the Clean Air Act (CAA):** None of the ingredients are listed.

**Massachusetts Right to Know:**

9003-31-0	Natural Rubber	Not Listed
68476-34-6	Diesel Fuel No. 2	Not Listed
1333-86-4	Carbon Black	Listed
426260-76-6	Heptane, branched, cyclic and linear	Not Listed
142-82-5	Heptane	Listed

**New Jersey Right to Know:**

9003-31-0	Natural Rubber	Not Listed
68476-34-6	Diesel Fuel No. 2	Not Listed
1333-86-4	Carbon Black	Listed

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426260-76-6	Heptane, branched, cyclic and linear	Not Listed
142-82-5	Heptane	Listed

### New York Right to Know:

9003-31-0	Natural Rubber	Not Listed
68476-34-6	Diesel Fuel No. 2	Not Listed
1333-86-4	Carbon Black	Not Listed
426260-76-6	Heptane, branched, cyclic and linear	Not Listed
142-82-5	Heptane	Listed

### Pennsylvania Right to Know:

9003-31-0	Natural Rubber	Not Listed
68476-34-6	Diesel Fuel No. 2	Listed
1333-86-4	Carbon Black	Listed
426260-76-6	Heptane, branched, cyclic and linear	Not Listed
142-82-5	Heptane	Listed

**California Proposition 65:** None of the ingredients are listed.

## SECTION 16: Other information

**Abbreviations and Acronyms:** None

### Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 2-3-0

**HMIS:** 2-3-0

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**End of Safety Data Sheet**