



# Safety Data Sheet

V209405  
BEARING LUBRICANT AERO 5.5 OZ

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

## SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

### 1.1. Product Identifier

Product Name BEARING LUBRICANT AERO 5.5 OZ  
Product Code V209405

Product(s) Covered

### 1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Lubricants, greases, release products.  
Uses Advised Against No information available

### 1.3. Details of the Supplier of the Safety Data Sheet

#### Company Name

Bostik, Inc.  
11320 W. Watertown Plank Road  
Wauwatosa, Wisconsin 53226 USA  
Phone: +1 (800) 843-0844 (Domestic Toll Free)  
Phone: +1 (414) 774-2250 (International)  
Fax: +1 (414) 774-8075  
Email: msds@bostik-us.com

### 1.4. Emergency Telephone Number

Emergency Telephone Telephone: 1-800-227-0332  
(Outside U.S.) 1-703-527-3887

## SECTION 2: Hazards Identification

### 2.1. Classification of the Substance or Mixture

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Carcinogenicity	Category 2
Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable Aerosol	Category 1

### 2.2. Label Elements

#### EMERGENCY OVERVIEW

**DANGER**

**Hazard Statements**  
 Causes skin irritation  
 Causes serious eye irritation  
 Suspected of causing cancer  
 Suspected of damaging fertility or the unborn child  
 May cause drowsiness or dizziness

# Safety Data Sheet

V209405  
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Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

May be fatal if swallowed and enters airways  
Extremely flammable aerosol



Appearance Aerosol

Physical State Gas

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  
Avoid breathing 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 first aid measures 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  
Store in a well-ventilated place. Keep container tightly closed  
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

## Unknown Toxicity

4.56% of the mixture consists of ingredient(s) of unknown toxicity

## 2.3. Other Information

No information available

## SECTION 3: Composition/Information on Ingredients

### 3.1 Substances

Not Applicable

# Safety Data Sheet

V209405  
BEARING LUBRICANT AERO 5.5 OZ

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

## 3.2 Mixtures

Chemical Name	CAS No	Weight-%
Acetone	67-64-1	30 - 60
2,2,4-Trimethylpentane	540-84-1	10 - 30
Ethylbenzene	100-41-4	0.1 - 1
Tricresyl phosphate	1330-78-5	0.1 - 1

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## SECTION 4: First Aid Measures

### 4.1. Description of First Aid Measures

<b>General Advice</b>	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Skin Contact</b>	Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Immediate medical attention is not required.
<b>Inhalation</b>	Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
<b>Self-protection of the First Aider</b>	Use personal protective equipment as required.

### 4.2. Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms** No information available.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

**Note to Physicians** Treat symptomatically.

### 4.4. Reference to Other Sections

**Reference to Other Sections** SECTION 8: Exposure Controls/Personal Protection  
SECTION 11: Toxicological Information

## SECTION 5: Fire Fighting Measures

### 5.1. Extinguishing Media

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable Extinguishing Media

Caution: Use of water spray when fighting fire may be inefficient.

# Safety Data Sheet

V209405  
BEARING LUBRICANT AERO 5.5 OZ

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

## 5.2. Special Hazards Arising from the Substance or Mixture

**Specific Hazards Arising from the Chemical**  
EXTREMELY FLAMMABLE.

### **Explosion Data**

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

## 5.3. Advice for Firefighters

### **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.

## **SECTION 6: Accidental Release Measures**

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

<b>Personal Precautions</b>	Remove all possible sources of ignition in the surrounding area. Ensure adequate ventilation, especially in confined areas.
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### 6.2. Environmental Precautions

<b>Environmental Precautions</b>	Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.
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### 6.3. Methods and Material for Containment and Cleaning up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
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<b>Methods for Cleaning up</b>	Pick up and transfer to properly labeled containers. Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Soak up with inert absorbent material. Dam up.
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### 6.4. References to Other Sections

<b>Reference to Other Sections</b>	SECTION 8: Exposure Controls/Personal Protection SECTION 7: Handling and Storage SECTION 13: Disposal Considerations
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## **SECTION 7: Handling and Storage**

### 7.1. Precautions for Safe Handling

<b>Advice on Safe Handling</b>	Ensure adequate ventilation, especially in confined areas. Use only in well-ventilated areas. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use.
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### 7.2. Conditions for Safe Storage, including any Incompatibilities

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Recommended storage temperature. 10 - 35 °C. Observe local regulations / instructions for storage of pressurized containers.
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# Safety Data Sheet

V209405  
BEARING LUBRICANT AERO 5.5 OZ

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

**Incompatible Materials** None known based on information supplied.

### 7.3. Specific End Use(s)

**Other Information** No information available.

### 7.4. References to Other Sections

**Reference to Other Sections** SECTION 13: Disposal Considerations  
SECTION 10: Stability and Reactivity

## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control Parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> STEL: 1260 ppm STEL: 3000 mg/m <sup>3</sup>
2,2,4-Trimethylpentane 540-84-1	TWA: 300 ppm	-	-	-
Ethylbenzene 100-41-4	TWA: 20 ppm	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>

Chemical Name	Argentina	Brazil	Chile	Venezuela
Acetone 67-64-1	TWA: 500 ppm STEL: 750 ppm	TWA: 780 ppm TWA: 1870 mg/m <sup>3</sup>	TWA: 600 ppm TWA: 1424 mg/m <sup>3</sup>	STEL: 750 ppm TWA: 500 ppm
2,2,4-Trimethylpentane 540-84-1	TWA: 300 ppm	-	-	-
Ethylbenzene 100-41-4	TWA: 100 ppm STEL: 125 ppm	TWA: 78 ppm TWA: 340 mg/m <sup>3</sup>	TWA: 80 ppm TWA: 348 mg/m <sup>3</sup>	Skin STEL: 125 ppm TWA: 100 ppm

### 8.2. Exposure Controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment [PPE]

##### Eye/Face Protection

Tight sealing safety goggles. Face protection shield.

##### Skin and Body Protection

Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

##### Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

**Physical State**

Gas

# Safety Data Sheet

V209405  
BEARING LUBRICANT AERO 5.5 OZ

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

**Appearance** Aerosol  
**Color** White  
**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	No information available	
Flash Point	-50 °C / -58 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper Flammability Limits	No information available	
Lower Flammability Limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Specific Gravity	No information available	
Water Solubility	No information available	
Solubility in Other Solvents	No information available	
Partition Coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

## 9.2. Other Information

**Softening Point** No information available  
**Molecular Weight** No information available  
**Solvent Content (%)** No information available  
**Solid Content (%)** 6.9  
**Density** .810 g/ml  
**VOC** 18 %

## **SECTION 10: Stability and Reactivity**

### 10.1. Reactivity

None under normal use conditions.

### 10.2. Chemical Stability

Stable under recommended storage conditions.

### 10.3. Possibility of Hazardous Reactions

None under normal processing.

### 10.4. Conditions to Avoid

Heating causes rise in pressure with risk of bursting.

### 10.5. Incompatible Materials

None known based on information supplied.

### 10.6. Hazardous Decomposition Products

None known based on information supplied.

# Safety Data Sheet

V209405  
BEARING LUBRICANT AERO 5.5 OZ

Revision Date 28-Apr-2015  
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Version 1.01

## SECTION 11: Toxicological Information

### 11.1. Information on Toxicological Effects

**Product Information** No data available  
**Inhalation** No data available.  
**Eye Contact** No data available.  
**Skin Contact** No data available.  
**Ingestion** No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg ( Rat )	>15800 mg/Kg (rat)	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
2,2,4-Trimethylpentane 540-84-1	> 2500 mg/kg ( Rat )	-	= 47.4 mg/L ( Rat ) 1 h
Ethylbenzene 100-41-4	= 3500 mg/kg ( Rat )	= 15400 mg/kg ( Rabbit )	= 1432 mg/L ( Rat ) 4 h
Tricresyl phosphate 1330-78-5	= 3 g/kg ( Rat )	-	-

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

**Symptoms** No information available.  
**Skin Corrosion/Irritation** No information available.  
**Serious Eye Damage/Eye Irritation** No information available.  
**Irritation** No information available.  
**Corrosivity** No information available.  
**Sensitization** No information available.  
**Germ Cell Mutagenicity** No information available.  
**Reproductive Toxicity** No information available.  
**Developmental Toxicity** No information available.  
**Teratogenicity** No information available.  
**STOT - Single Exposure** No information available.  
**STOT - Repeated Exposure** No information available.  
**Chronic Toxicity** Avoid repeated exposure.  
**Target Organ Effects** Central nervous system, Eyes, Respiratory system, Skin.  
**Aspiration Hazard** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethylbenzene 100-41-4	A3	Group 2B	-	X

ACGIH (American Conference of Governmental Industrial Hygienists)  
A3 - Confirmed animal carcinogen with unknown relevance to humans  
IARC (International Agency for Research on Cancer)  
Group 2B - Possibly Carcinogenic to Humans  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
X - Present

## SECTION 12: Ecological Information

### 12.1. Toxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to	Crustacea

# Safety Data Sheet

V209405  
BEARING LUBRICANT AERO 5.5 OZ

Revision Date 28-Apr-2015  
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Version 1.01

		Microorganisms		
Acetone 67-64-1		LC50 96 h 4.74 - 6.33 mL/L (Oncorhynchus mykiss ) LC50 96 h 6210 - 8120 mg/L (Pimephales promelas static) LC50 96 h = 8300 mg/L (Lepomis macrochirus )	EC50 = 14500 mg/L 15 min	EC50 48 h 10294 - 17704 mg/L (Daphnia magna Static) EC50 48 h 12600 - 12700 mg/L (Daphnia magna )
Ethylbenzene 100-41-4	EC50 72 h = 4.6 mg/L (Pseudokirchneriella subcapitata) EC50 96 h > 438 mg/L (Pseudokirchneriella subcapitata) EC50 72 h 2.6 - 11.3 mg/L (Pseudokirchneriella subcapitata) EC50 96 h 1.7 - 7.6 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 11.0 - 18.0 mg/L (Oncorhynchus mykiss static) LC50 96 h = 4.2 mg/L (Oncorhynchus mykiss semi-static) LC50 96 h 7.55 - 11 mg/L (Pimephales promelas flow-through) LC50 96 h = 32 mg/L (Lepomis macrochirus static) LC50 96 h 9.1 - 15.6 mg/L (Pimephales promelas static) LC50 96 h = 9.6 mg/L (Poecilia reticulata static)	EC50 = 9.68 mg/L 30 min EC50 = 96 mg/L 24 h	EC50 48 h 1.8 - 2.4 mg/L (Daphnia magna )
Tricresyl phosphate 1330-78-5		LC50 96 h 0.21 - 0.32 mg/L (Oncorhynchus mykiss flow-through) LC50 96 h 3.3 - 6.2 mg/L (Oncorhynchus mykiss static) LC50 96 h 0.1 - 0.22 mg/L (Lepomis macrochirus flow-through) LC50 96 h 20.4 - 41.2 mg/L (Lepomis macrochirus static) LC50 96 h 3.2 - 10 mg/L (Oryzias latipes semi-static) LC50 96 h 4.8 - 6.4 mg/L (Poecilia reticulata semi-static)		

## 12.2. Persistence and Degradability

No information available.

## 12.3. Bioaccumulative Potential

No information available.

## 12.4. Mobility in Soil

No information available.

## 12.5 Other adverse effects

No information available

## SECTION 13: Disposal Considerations

### 13.1. Waste Treatment Methods

#### Disposal of Wastes

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations

#### Contaminated Packaging

Dispose of in accordance with federal, state and local regulations



# Safety Data Sheet

V209405  
BEARING LUBRICANT AERO 5.5 OZ

Revision Date 28-Apr-2015  
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Version 1.01

## SECTION 14: Transport Information

**Note:** Per 49 CFR 173.306(a)(3), our aerosol product is considered a Limited Quantity for all modes of transportation and ORM-D no longer applies to the product

### DOT

UN/ID No UN1950  
Proper Shipping Name Aerosols  
Hazard Class 2.1  
Special Provisions N82  
Description UN1950, Aerosols, 2.1,  
Emergency Response Guide Number 126

### IATA

UN/ID No UN1950  
Proper Shipping Name Aerosols, flammable  
Hazard Class 2.1  
ERG Code 10L  
Special Provisions A145, A167  
Description UN1950, Aerosols, flammable, 2.1

### IMDG

UN/ID No UN1950  
Proper Shipping Name Aerosols  
Hazard Class 2  
EmS-No F-D, S-U  
Special Provisions 190, 277, 327, 344, 63, 959  
Description UN1950, Aerosols, 2

## SECTION 15: Regulatory Information

### Global Inventories

TSCA	Listed
DSL	Listed

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL** - Canadian Domestic Substances List

**Listed** - The components of this product are either listed or exempt from listing on inventory.

**Not Listed** - One or more components of this product are not listed on inventory.

### Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

### WHMIS Hazard Class

A - Compressed gases

B5 - Flammable aerosol

D2A - Very toxic materials



United States of America

# Safety Data Sheet

V209405  
BEARING LUBRICANT AERO 5.5 OZ

Revision Date 28-Apr-2015  
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Version 1.01

## 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	CAS No
Ethylbenzene	100-41-4

## California Proposition 65

This product contains one or more of the substances listed on Proposition 65 at or above 0.01 wt. % Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage

Chemical Name	CAS No
Ethylbenzene	100-41-4
Ethyl alcohol	64-17-5
Methanol	67-56-1

## Europe

### Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation.

### EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain a substance(s) on the SVHC as proposed by ECHA above a concentration of 0.1 wt. %

## SECTION 16: Other Information

**HMIS**                      **Health Hazards** 2\*      **Flammability** 4                      **Physical Hazards** 0                      **Personal Protection** X

### Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet

No information available

### Key Literature References and Sources for Data

No information available

**Prepared By**                      Product Safety & Regulatory Affairs

**Revision Date**                      28-Apr-2015

**Revision Note**                      Not Applicable.

**Training Advice**                      No information available

**Further Information**                      No information available

### 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 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**



# Safety Data Sheet

V206501  
Bostik BladeCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

## SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

### 1.1. Product Identifier

Product Name Bostik BladeCote  
Product Code V206501

Product(s) Covered

### 1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Lubricants, greases, release products.  
Uses Advised Against No information available

### 1.3. Details of the Supplier of the Safety Data Sheet

#### Company Name

Bostik, Inc.  
11320 W. Watertown Plank Road  
Wauwatosa, Wisconsin 53226 USA  
Phone: +1 (800) 843-0844 (Domestic Toll Free)  
Phone: +1 (414) 774-2250 (International)  
Fax: +1 (414) 774-8075  
Email: msds@bostik-us.com

### 1.4. Emergency Telephone Number

Emergency Telephone Telephone: 1-800-227-0332  
(Outside U.S.) 1-703-527-3887

## SECTION 2: Hazards Identification

### 2.1. Classification of the Substance or Mixture

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Carcinogenicity	Category 2
Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable Aerosol	Category 1

### 2.2. Label Elements

#### EMERGENCY OVERVIEW

**DANGER**

#### Hazard Statements

Causes skin irritation  
Causes serious eye irritation  
Suspected of causing cancer  
Suspected of damaging fertility or the unborn child  
May cause drowsiness or dizziness

# Safety Data Sheet

V206501  
Bostik BladeCote

Revision Date 28-Apr-2015  
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May be fatal if swallowed and enters airways  
Extremely flammable aerosol



**Appearance** No information available

**Physical State** Gas

**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  
Avoid breathing 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 first aid measures 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  
Store in a well-ventilated place. Keep container tightly closed  
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

## Unknown Toxicity

4.48% of the mixture consists of ingredient(s) of unknown toxicity

## 2.3. Other Information

No information available

## SECTION 3: Composition/Information on Ingredients

### 3.1 Substances

Not Applicable

# Safety Data Sheet

V206501  
Bostik BladeCote

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## 3.2 Mixtures

Chemical Name	CAS No	Weight-%
Acetone	67-64-1	30 - 60
2,2,4-Trimethylpentane	540-84-1	10 - 30
Ethylbenzene	100-41-4	0.1 - 1
Tricresyl phosphate	1330-78-5	0.1 - 1
Ethyl alcohol	64-17-5	0.1 - 1

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## SECTION 4: First Aid Measures

### 4.1. Description of First Aid Measures

<b>General Advice</b>	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Skin Contact</b>	Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Immediate medical attention is not required.
<b>Inhalation</b>	Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
<b>Self-protection of the First Aider</b>	Use personal protective equipment as required.

### 4.2. Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms** No information available.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

**Note to Physicians** Treat symptomatically.

### 4.4. Reference to Other Sections

**Reference to Other Sections** SECTION 8: Exposure Controls/Personal Protection  
SECTION 11: Toxicological Information

## SECTION 5: Fire Fighting Measures

### 5.1. Extinguishing Media

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable Extinguishing Media

# Safety Data Sheet

V206501  
Bostik BladeCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

Caution: Use of water spray when fighting fire may be inefficient.

## 5.2. Special Hazards Arising from the Substance or Mixture

**Specific Hazards Arising from the Chemical**  
EXTREMELY FLAMMABLE.

### **Explosion Data**

<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.

## 5.3. Advice for Firefighters

### **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.

## **SECTION 6: Accidental Release Measures**

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions** Remove all possible sources of ignition in the surrounding area. Ensure adequate ventilation, especially in confined areas.

### 6.2. Environmental Precautions

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.

### 6.3. 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** Pick up and transfer to properly labeled containers. Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Soak up with inert absorbent material. Dam up.

### 6.4. References to Other Sections

**Reference to Other Sections** SECTION 8: Exposure Controls/Personal Protection  
SECTION 7: Handling and Storage  
SECTION 13: Disposal Considerations

## **SECTION 7: Handling and Storage**

### 7.1. Precautions for Safe Handling

**Advice on Safe Handling** Ensure adequate ventilation, especially in confined areas. Use only in well-ventilated areas. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use.

### 7.2. Conditions for Safe Storage, including any Incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Recommended storage temperature. 10 - 35 °C. Observe local regulations / instructions for storage of pressurized containers.

# Safety Data Sheet

V206501  
Bostik BladeCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

**Incompatible Materials** None known based on information supplied.

### 7.3. Specific End Use(s)

**Other Information** No information available.

### 7.4. References to Other Sections

**Reference to Other Sections** SECTION 13: Disposal Considerations  
SECTION 10: Stability and Reactivity

## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control Parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> STEL: 1260 ppm STEL: 3000 mg/m <sup>3</sup>
2,2,4-Trimethylpentane 540-84-1	TWA: 300 ppm	-	-	-
Ethylbenzene 100-41-4	TWA: 20 ppm	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>
Ethyl alcohol 64-17-5	STEL: 1000 ppm	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>

Chemical Name	Argentina	Brazil	Chile	Venezuela
Acetone 67-64-1	TWA: 500 ppm STEL: 750 ppm	TWA: 780 ppm TWA: 1870 mg/m <sup>3</sup>	TWA: 600 ppm TWA: 1424 mg/m <sup>3</sup>	STEL: 750 ppm TWA: 500 ppm
2,2,4-Trimethylpentane 540-84-1	TWA: 300 ppm	-	-	-
Ethylbenzene 100-41-4	TWA: 100 ppm STEL: 125 ppm	TWA: 78 ppm TWA: 340 mg/m <sup>3</sup>	TWA: 80 ppm TWA: 348 mg/m <sup>3</sup>	Skin STEL: 125 ppm TWA: 100 ppm
Ethyl alcohol 64-17-5	TWA: 1000 ppm	TWA: 780 ppm TWA: 1480 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1500 mg/m <sup>3</sup>	TWA: 1000 ppm

### 8.2. Exposure Controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment [PPE]

**Eye/Face Protection** Tight sealing safety goggles. Face protection shield.

**Skin and Body Protection** Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular

# Safety Data Sheet

V206501  
Bostik BladeCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

cleaning of equipment, work area and clothing is recommended.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	Gas
Color	White
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	No information available	
Flash Point	-50 °C / -58 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper Flammability Limits	No information available	
Lower Flammability Limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Specific Gravity	No information available	
Water Solubility	No information available	
Solubility in Other Solvents	No information available	
Partition Coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

### 9.2. Other Information

Softening Point	No information available
Molecular Weight	No information available
Solvent Content (%)	No information available
Solid Content (%)	6.8
Density	.820 g/ml
VOC	18.8 %

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

None under normal use conditions.

### 10.2. Chemical Stability

Stable under recommended storage conditions.

### 10.3. Possibility of Hazardous Reactions

None under normal processing.

### 10.4. Conditions to Avoid

Heating causes rise in pressure with risk of bursting.

### 10.5. Incompatible Materials



# Safety Data Sheet

V206501  
Bostik BladeCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

None known based on information supplied.

## 10.6. Hazardous Decomposition Products

None known based on information supplied.

## SECTION 11: Toxicological Information

### 11.1. Information on Toxicological Effects

**Product Information** No data available  
**Inhalation** No data available.  
**Eye Contact** No data available.  
**Skin Contact** No data available.  
**Ingestion** No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg ( Rat )	>15800 mg/Kg (rat)	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
2,2,4-Trimethylpentane 540-84-1	> 2500 mg/kg ( Rat )	-	= 47.4 mg/L ( Rat ) 1 h
Ethylbenzene 100-41-4	= 3500 mg/kg ( Rat )	= 15400 mg/kg ( Rabbit )	= 1432 mg/L ( Rat ) 4 h
Tricresyl phosphate 1330-78-5	= 3 g/kg ( Rat )	-	-
Ethyl alcohol 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

**Symptoms** No information available.  
**Skin Corrosion/Irritation** No information available.  
**Serious Eye Damage/Eye Irritation** No information available.  
**Irritation** No information available.  
**Corrosivity** No information available.  
**Sensitization** No information available.  
**Germ Cell Mutagenicity** No information available.  
**Reproductive Toxicity** No information available.  
**Developmental Toxicity** No information available.  
**Teratogenicity** No information available.  
**STOT - Single Exposure** No information available.  
**STOT - Repeated Exposure** No information available.  
**Chronic Toxicity** Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage. Avoid repeated exposure.  
**Target Organ Effects** Central nervous system, Eyes, Respiratory system, Skin.  
**Aspiration Hazard** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethylbenzene 100-41-4	A3	Group 2B	-	X
Ethyl alcohol 64-17-5	A3	Group 1	Known	X

ACGIH (American Conference of Governmental Industrial Hygienists)  
A3 - Confirmed animal carcinogen with unknown relevance to humans  
IARC (International Agency for Research on Cancer)  
Group 1 - Carcinogenic to Humans  
Group 2B - Possibly Carcinogenic to Humans

# Safety Data Sheet

V206501  
Bostik BladeCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

Group 3 - Not classifiable as a human carcinogen  
NTP (National Toxicology Program)  
Known - Known Carcinogen  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
X - Present

## SECTION 12: Ecological Information

### 12.1. Toxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Acetone 67-64-1		LC50 96 h 4.74 - 6.33 mL/L (Oncorhynchus mykiss ) LC50 96 h 6210 - 8120 mg/L (Pimephales promelas static) LC50 96 h = 8300 mg/L (Lepomis macrochirus )	EC50 = 14500 mg/L 15 min	EC50 48 h 10294 - 17704 mg/L (Daphnia magna Static) EC50 48 h 12600 - 12700 mg/L (Daphnia magna )
Ethylbenzene 100-41-4	EC50 72 h = 4.6 mg/L (Pseudokirchneriella subcapitata) EC50 96 h > 438 mg/L (Pseudokirchneriella subcapitata) EC50 72 h 2.6 - 11.3 mg/L (Pseudokirchneriella subcapitata) EC50 96 h 1.7 - 7.6 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 11.0 - 18.0 mg/L (Oncorhynchus mykiss static) LC50 96 h = 4.2 mg/L (Oncorhynchus mykiss semi-static) LC50 96 h 7.55 - 11 mg/L (Pimephales promelas flow-through) LC50 96 h = 32 mg/L (Lepomis macrochirus static) LC50 96 h 9.1 - 15.6 mg/L (Pimephales promelas static) LC50 96 h = 9.6 mg/L (Poecilia reticulata static)	EC50 = 9.68 mg/L 30 min EC50 = 96 mg/L 24 h	EC50 48 h 1.8 - 2.4 mg/L (Daphnia magna )
Tricresyl phosphate 1330-78-5		LC50 96 h 0.21 - 0.32 mg/L (Oncorhynchus mykiss flow-through) LC50 96 h 3.3 - 6.2 mg/L (Oncorhynchus mykiss static) LC50 96 h 0.1 - 0.22 mg/L (Lepomis macrochirus flow-through) LC50 96 h 20.4 - 41.2 mg/L (Lepomis macrochirus static) LC50 96 h 3.2 - 10 mg/L (Oryzias latipes semi-static) LC50 96 h 4.8 - 6.4 mg/L (Poecilia reticulata semi-static)		
Ethyl alcohol 64-17-5		LC50 96 h 12.0 - 16.0 mL/L (Oncorhynchus mykiss static) LC50 96 h > 100 mg/L (Pimephales promelas static) LC50 96 h 13400 - 15100 mg/L (Pimephales promelas flow-through)	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	LC50 48 h 9268 - 14221 mg/L (Daphnia magna ) EC50 48 h = 2 mg/L (Daphnia magna Static) EC50 24 h = 10800 mg/L (Daphnia magna )

### 12.2. Persistence and Degradability

No information available.

### 12.3. Bioaccumulative Potential

# Safety Data Sheet

V206501  
Bostik BladeCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

No information available.

## 12.4. Mobility in Soil

No information available.

## 12.5 Other adverse effects

No information available

## **SECTION 13: Disposal Considerations**

### 13.1. Waste Treatment Methods

**Disposal of Wastes** It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations

**Contaminated Packaging** Dispose of in accordance with federal, state and local regulations

## **SECTION 14: Transport Information**

**Note:** Per 49 CFR 173.306(a)(3), our aerosol product is considered a Limited Quantity for all modes of transportation and ORM-D no longer applies to the product

### DOT

UN/ID No	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2.1
Special Provisions	N82
Description	UN1950, Aerosols, 2.1,
Emergency Response Guide Number	126

### IATA

UN/ID No	UN1950
Proper Shipping Name	Aerosols, flammable
Hazard Class	2.1
ERG Code	10L
Special Provisions	A145, A167
Description	UN1950, Aerosols, flammable, 2.1

### IMDG

UN/ID No	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2
EmS-No	F-D, S-U
Special Provisions	190, 277, 327, 344, 63, 959
Description	UN1950, Aerosols, 2

## **SECTION 15: Regulatory Information**

### Global Inventories

TSCA	Listed
DSL	Listed

# Safety Data Sheet

V206501  
Bostik BladeCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

## Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL** - Canadian Domestic Substances List

**Listed** - The components of this product are either listed or exempt from listing on inventory.

**Not Listed** - One or more components of this product are not listed on inventory.

## Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

### WHMIS Hazard Class

D2A - Very toxic materials

B5 - Flammable aerosol

A - Compressed gases



## United States of America

### 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	CAS No
Ethylbenzene	100-41-4

### California Proposition 65

This product contains one or more of the substances listed on Proposition 65 at or above 0.01 wt. % Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage

Chemical Name	CAS No
Ethylbenzene	100-41-4
Ethyl alcohol	64-17-5
Methanol	67-56-1

## Europe

### Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation.

### EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain a substance(s) on the SVHC as proposed by ECHA above a concentration of 0.1 wt. %

## SECTION 16: Other Information

**HMIS** Health Hazards 2\* Flammability 4 Physical Hazards 0 Personal Protection X

### Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet

No information available

### Key Literature References and Sources for Data

No information available

# Safety Data Sheet

V206501  
Bostik BladeCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

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<b>Prepared By</b>	Product Safety & Regulatory Affairs
<b>Revision Date</b>	28-Apr-2015
<b>Revision Note</b>	Not Applicable.
<b>Training Advice</b>	No information available
<b>Further Information</b>	No information available

## 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 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**



# Safety Data Sheet

V207501  
Bostik GlideCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

## SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

### 1.1. Product Identifier

Product Name Bostik GlideCote  
Product Code V207501

Product(s) Covered

### 1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Lubricants, greases, release products.  
Uses Advised Against No information available

### 1.3. Details of the Supplier of the Safety Data Sheet

#### Company Name

Bostik, Inc.  
11320 W. Watertown Plank Road  
Wauwatosa, Wisconsin 53226 USA  
Phone: +1 (800) 843-0844 (Domestic Toll Free)  
Phone: +1 (414) 774-2250 (International)  
Fax: +1 (414) 774-8075  
Email: msds@bostik-us.com

### 1.4. Emergency Telephone Number

Emergency Telephone Telephone: 1-800-227-0332  
(Outside U.S.) 1-703-527-3887

## SECTION 2: Hazards Identification

### 2.1. Classification of the Substance or Mixture

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable Aerosol	Category 1

### 2.2. Label Elements

#### EMERGENCY OVERVIEW

<b>DANGER</b>
<b>Hazard Statements</b> Causes skin irritation Causes serious eye irritation May cause drowsiness or dizziness May be fatal if swallowed and enters airways Extremely flammable aerosol

# Safety Data Sheet

V207501  
Bostik GlideCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01



**Appearance** No information available      **Physical State** Gas      **Odor** Solvent

### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing 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

Specific treatment (see first aid measures 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. Call a POISON CENTER or doctor/physician if you feel unwell.  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

### Precautionary Statements - Storage

Store locked up  
Store in a well-ventilated place. Keep container tightly closed  
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

### Unknown Toxicity

1.29% of the mixture consists of ingredient(s) of unknown toxicity

### 2.3. Other Information

May be harmful in contact with skin

## SECTION 3: Composition/Information on Ingredients

### 3.1 Substances

Not Applicable

### 3.2 Mixtures

Chemical Name	CAS No	Weight-%
Acetone	67-64-1	30 - 60
Naphtha, petroleum, light alkylate	64741-66-8	7 - 13
2,2,4-Trimethylpentane	540-84-1	5 - 10

# Safety Data Sheet

V207501  
Bostik GlideCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

Naphtha, petroleum, hydrotreated heavy	64742-48-9	1 - 5
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\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## SECTION 4: First Aid Measures

### 4.1. Description of First Aid Measures

<b>General Advice</b>	Call 911 or emergency medical service. Remove and isolate contaminated clothing and shoes.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Skin Contact</b>	In case of contact with liquefied gas, thaw frosted parts with lukewarm water.
<b>Inhalation</b>	Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
<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.

### 4.2. Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms** No information available.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

**Note to Physicians** Keep victim warm and quiet.

### 4.4. Reference to Other Sections

**Reference to Other Sections** SECTION 8: Exposure Controls/Personal Protection  
SECTION 11: Toxicological Information

## SECTION 5: Fire Fighting Measures

### 5.1. Extinguishing Media

#### Suitable Extinguishing Media

Use extinguishing agent suitable for type of surrounding fire. Dry chemical or CO<sub>2</sub>. Water spray, fog or regular foam. Move containers from fire area if you can do it without risk. Damaged cylinders should be handled only by specialists.

#### Unsuitable Extinguishing Media

Caution: Use of water spray when fighting fire may be inefficient.

### 5.2. Special Hazards Arising from the Substance or Mixture

#### Specific Hazards Arising from the Chemical

Some may burn but none ignite readily. Ruptured cylinders may rocket.

#### Explosion Data

**Sensitivity to Mechanical Impact** None.  
**Sensitivity to Static Discharge** None.



# Safety Data Sheet

V207501  
Bostik GlideCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

## 5.3. Advice for Firefighters

### **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.

## **SECTION 6: Accidental Release Measures**

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions** Remove all possible sources of ignition in the surrounding area. Ensure adequate ventilation, especially in confined areas.

**Other Information** Ventilate the area.

### 6.2. Environmental Precautions

**Environmental Precautions** Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material. Prevent entry into waterways, sewers, basements or confined areas.

### 6.3. Methods and Material for Containment and Cleaning up

**Methods for Containment** If possible, turn leaking containers so that gas escapes rather than liquid. Allow substance to evaporate.

**Methods for Cleaning up** Do not direct water at spill or source of leak.

### 6.4. References to Other Sections

**Reference to Other Sections** SECTION 8: Exposure Controls/Personal Protection  
SECTION 7: Handling and Storage  
SECTION 13: Disposal Considerations

## **SECTION 7: Handling and Storage**

### 7.1. Precautions for Safe Handling

**Advice on Safe Handling** Ensure adequate ventilation, especially in confined areas. Use only in well-ventilated areas. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use.

### 7.2. Conditions for Safe Storage, including any Incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Recommended storage temperature. 10 - 35 °C. Observe local regulations / instructions for storage of pressurized containers.

**Incompatible Materials** None known based on information supplied.

### 7.3. Specific End Use(s)

**Other Information** No information available.

### 7.4. References to Other Sections

# Safety Data Sheet

V207501  
Bostik GlideCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

Reference to Other Sections SECTION 13: Disposal Considerations  
SECTION 10: Stability and Reactivity

## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control Parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> STEL: 1260 ppm STEL: 3000 mg/m <sup>3</sup>
2,2,4-Trimethylpentane 540-84-1	TWA: 300 ppm	-	-	-

Chemical Name	Argentina	Brazil	Chile	Venezuela
Acetone 67-64-1	TWA: 500 ppm STEL: 750 ppm	TWA: 780 ppm TWA: 1870 mg/m <sup>3</sup>	TWA: 600 ppm TWA: 1424 mg/m <sup>3</sup>	STEL: 750 ppm TWA: 500 ppm
2,2,4-Trimethylpentane 540-84-1	TWA: 300 ppm	-	-	-

### 8.2. Exposure Controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment [PPE]

**Eye/Face Protection**

Tight sealing safety goggles. Face protection shield.

**Skin and Body Protection**

Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

**Respiratory Protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations**

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	Gas
Color	Colorless
Odor	Solvent
Odor Threshold	No information available

Property	Values	Remarks • Method
pH	No information available	
Melting Point/Freezing Point	No information available	
Boiling Point	No information available °C / °F	
Flash Point	-92 °C / -133.6 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper Flammability Limits	No information available	
Lower Flammability Limit	No information available	

# Safety Data Sheet

V207501  
Bostik GlideCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

Vapor Pressure No information available  
Vapor Density No information available  
Specific Gravity No information available  
Water Solubility No information available  
Solubility in Other Solvents No information available  
Partition Coefficient No information available  
Autoignition Temperature No information available  
Decomposition Temperature No information available  
Kinematic Viscosity No information available  
Dynamic Viscosity No information available  
Explosive Properties No information available  
Oxidizing Properties No information available

## 9.2. Other Information

Softening Point No information available  
Molecular Weight No information available  
Solvent Content (%) No information available  
Solid Content (%) 2.3  
Density .8 g/ml  
VOC 23.8 %

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

None under normal use conditions.

### 10.2. Chemical Stability

Stable under recommended storage conditions.

### 10.3. Possibility of Hazardous Reactions

None under normal processing.

### 10.4. Conditions to Avoid

Heating causes rise in pressure with risk of bursting.

### 10.5. Incompatible Materials

None known based on information supplied.

### 10.6. Hazardous Decomposition Products

None known based on information supplied.

## SECTION 11: Toxicological Information

### 11.1. Information on Toxicological Effects

Product Information No data available  
Inhalation No data available.  
Eye Contact No data available.  
Skin Contact No data available.  
Ingestion No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg ( Rat )	>15800 mg/Kg (rat)	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
Naphtha, petroleum, light alkylate 64741-66-8	> 7000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.04 mg/L ( Rat ) 4 h

# Safety Data Sheet

V207501  
Bostik GlideCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

2,2,4-Trimethylpentane 540-84-1	> 2500 mg/kg ( Rat )	-	= 47.4 mg/L ( Rat ) 1 h
Naphtha, petroleum, hydrotreated heavy 64742-48-9	> 5000 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	-

## Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

<b>Symptoms</b>	No information available.
<b>Skin Corrosion/Irritation</b>	No information available.
<b>Serious Eye Damage/Eye Irritation</b>	No information available.
<b>Irritation</b>	No information available.
<b>Corrosivity</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Germ Cell Mutagenicity</b>	No information available.
<b>Reproductive Toxicity</b>	No information available.
<b>Developmental Toxicity</b>	No information available.
<b>Teratogenicity</b>	No information available.
<b>STOT - Single Exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	No information available.
<b>Chronic Toxicity</b>	Avoid repeated exposure.
<b>Target Organ Effects</b>	Central nervous system, Eyes, Respiratory system, Skin.
<b>Aspiration Hazard</b>	No information available.
<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by ACGIH, OSHA, IARC or NTP at or above 0.1 wt%.

## **SECTION 12: Ecological Information**

### 12.1. Toxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Acetone 67-64-1		LC50 96 h 4.74 - 6.33 mL/L (Oncorhynchus mykiss ) LC50 96 h 6210 - 8120 mg/L (Pimephales promelas static) LC50 96 h = 8300 mg/L (Lepomis macrochirus )	EC50 = 14500 mg/L 15 min	EC50 48 h 10294 - 17704 mg/L (Daphnia magna Static) EC50 48 h 12600 - 12700 mg/L (Daphnia magna )
Naphtha, petroleum, light alkylate 64741-66-8	EC50 72 h = 30000 mg/L (Pseudokirchneriella subcapitata)			LC50 48 h = 2 mg/L (Mysidopsis bahia )
Naphtha, petroleum, hydrotreated heavy 64742-48-9		LC50 96 h = 2200 mg/L (Pimephales promelas )		LC50 96 h = 2.6 mg/L (Chaetogammarus marinus )

### 12.2. Persistence and Degradability

No information available.

### 12.3. Bioaccumulative Potential

No information available.

# Safety Data Sheet

V207501  
Bostik GlideCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

## 12.4. Mobility in Soil

No information available.

## 12.5 Other adverse effects

No information available

## SECTION 13: Disposal Considerations

### 13.1. Waste Treatment Methods

**Disposal of Wastes** It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations

**Contaminated Packaging** Dispose of in accordance with federal, state and local regulations

## SECTION 14: Transport Information

**Note:** Per 49 CFR 173.306(a)(3), our aerosol product is considered a Limited Quantity for all modes of transportation and ORM-D no longer applies to the product

### DOT

UN/ID No	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2.1
Special Provisions	N82
Description	UN1950, Aerosols, 2.1,
Emergency Response Guide Number	126

### IATA

Proper Shipping Name	Aerosols, flammable
Hazard Class	2.1
ERG Code	10L
Special Provisions	A145, A167
Description	UN1950, Aerosols, flammable, 2.1

### IMDG

UN/ID No	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2
EmS-No	F-D, S-U
Special Provisions	190, 277, 327, 344, 63, 959
Description	UN1950, Aerosols, 2

## SECTION 15: Regulatory Information

### Global Inventories

TSCA	Listed
DSL	Listed

### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substances List

# Safety Data Sheet

V207501  
Bostik GlideCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

**Listed** - The components of this product are either listed or exempt from listing on inventory.  
**Not Listed** - One or more components of this product are not listed on inventory.

## Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

### WHMIS Hazard Class

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



## United States of America

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### California Proposition 65

This product does not contain one or more substances listed on Proposition 65 at or above 0.01 wt. %.

## Europe

### Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation.

### EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain a substance(s) on the SVHC as proposed by ECHA above a concentration of 0.1 wt. %

## **SECTION 16: Other Information**

**HMIS**                      **Health Hazards** 2                      **Flammability** 4                      **Physical Hazards** 0                      **Personal Protection** X

### Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet

No information available

### Key Literature References and Sources for Data

No information available

**Prepared By**                      Product Safety & Regulatory Affairs

**Revision Date**                      28-Apr-2015

**Revision Note**                      Not Applicable.

**Training Advice**                      No information available

**Further Information**                      No information available

# Safety Data Sheet

V207501  
Bostik GlideCote

Revision Date 28-Apr-2015  
Supersedes Date: No information available  
Version 1.01

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## Disclaimer

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**End of Safety Data Sheet**