



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

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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

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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

*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

General Advice	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.
Eye Contact	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.
Skin Contact	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.
Inhalation	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.
Ingestion	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.
Self-protection of the First Aider	Use personal protective equipment as required.

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

Symptoms	No information available.
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4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	Treat symptomatically.
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4.4. Reference to Other Sections

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

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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

Personal Precautions	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

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.
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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
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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.
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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.
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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 ³	TWA: 1000 ppm TWA: 2400 mg/m ³	TWA: 1000 ppm TWA: 2400 mg/m ³ STEL: 1260 ppm STEL: 3000 mg/m ³
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 ³ STEL: 125 ppm STEL: 545 mg/m ³	TWA: 100 ppm TWA: 435 mg/m ³	TWA: 100 ppm TWA: 435 mg/m ³ STEL: 125 ppm STEL: 545 mg/m ³

Chemical Name	Argentina	Brazil	Chile	Venezuela
Acetone 67-64-1	TWA: 500 ppm STEL: 750 ppm	TWA: 780 ppm TWA: 1870 mg/m ³	TWA: 600 ppm TWA: 1424 mg/m ³	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 ³	TWA: 80 ppm TWA: 348 mg/m ³	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

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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.

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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 ³ (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
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			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

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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

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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