



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product name GLIDECOTE AERO 10.75OZ 12/CS
MSDS name GLIDECOTE AERO 10.75OZ 12/CS
Product name(s) covered See Section 16 for Product Names Covered.
CAS # Mixture
Product use Lubricants
Generic description Aerosol Spray Flammable
Manufacturer Bostik, Inc.
11320 Watertown Plank Rd
Wauwatosa, WI 53226 USA
24 hour emergency assistance Telephone: 1-800-227-0332
(Outside U.S.) 1-703-527-3887
General assistance Telephone: 1-800-843-0844
MSDS assistance Telephone: 1-800-843-0844

2. Hazards Identification

Emergency overview Contact with this material can cause irritation to the skin, eyes and mucous membranes. Product is a flammable aerosol. Pressurized container may explode when exposed to heat or flame. May be harmful by inhalation, ingestion, skin adsorption.

Potential health effects

Eyes Liquid or vapors may irritate the eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause irreversible eye damage.

Skin This product may cause irritation to the skin. Prolonged or repeated contact with this product may dry and/or defat the skin. This product may be harmful if it is absorbed through the skin. Rapid evaporation of the liquid may cause frostbite.

Inhalation This product may cause irritation to the respiratory system. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination. High concentration of vapours may induce unconsciousness.

Ingestion This product is harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Target organs Respiratory system. Eyes. Skin. Central nervous system.

Signs and symptoms Signs and symptoms of overexposure to this product include headache, irritation of upper respiratory tract, asthmatic symptoms, chest tightness, breathing difficulty, coughing, eye irritation, skin irritation, diarrhea.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Acetone	67-64-1	30 - 60
1,1-Difluoroethane	75-37-6	15 - 40
Naphtha (petroleum), light alkylate	64741-66-8	10 - 30
Isooctane	540-84-1	7 - 13

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention or advice.

Skin contact For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.

Inhalation Move person to non-contaminated air. Call a physician if symptoms develop or persist.

Ingestion	If ingested, get immediate medical attention. Do not induce vomiting unless instructed to do so by medical personnel. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.
Notes to physician	This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately. If overexposure to the solvents in this product is suspected, testing should include nervous system and brain effects including recent memory, mood, concentration, headaches and altered sleep patterns. Liver and kidney function should be evaluated.

5. Fire Fighting Measures

Extinguishing media

Suitable extinguishing media Dry chemical, foam, carbon dioxide. Use water to cool fire-exposed containers and to protect personnel. Do not direct a solid stream of water or foam into hot, burning pools; this may result in frothing and increase fire intensity.

Basic fire fighting procedures DANGEROUS when exposed to heat or flame. This material can be ignited by flame or spark under all normal atmospheric conditions. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back. Pressurized Container: May explode when exposed to heat or flame. Empty containers may retain product residue including Flammable or Explosive vapors. Do not cut, drill, grind, or weld near full, partially full, or empty product containers.

Fire fighting equipment/instructions Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

Sensitivity to static discharge Sparks generated by static discharge may ignite this product or its vapors. All containers and equipment must be bonded or grounded to minimize risk.

Unusual fire & explosion hazards During a fire, irritating and highly toxic gases may be generated during combustion or decomposition. High temperatures can cause sealed containers to rupture due to a buildup of internal pressures. Cool with water.

Flash point -58 °F (-50 °C)

6. Accidental Release Measures

Emergency action Evacuate the area promptly and keep upwind of the spilled material. Isolate the spill area to prevent people from entering. Wear appropriate protective equipment and clothing during clean-up.

Environmental precautions Prevent further leakage or spillage if safe to do so.

Containment procedures Eliminate sources of ignition. Stop the flow of material, if this is without risk. Stop material from contaminating soil or from entering sewers or water streams. Cover spills with non-flammable absorbent and place in closed chemical waste containers.

Reporting See Federal reporting requirements listed in Section 15. We recommend you contact local authorities to determine if there may be other local reporting requirements.

7. Handling and Storage

For Commercial Use Only - Not Packaged or Labeled for Home Use!

Handling Keep this product from heat, sparks, or open flame. Avoid getting this material into contact with your skin and eyes. Avoid breathing mists or aerosols of this product. Use this product with adequate ventilation. Do not reuse the empty container.

Storage Store in a cool, dry, well-ventilated area. Do not handle or store near an open flame, heat or other sources of ignition. Keep away from direct sunlight. Do not store, incinerate, or heat this material above 120 degrees Fahrenheit.

Empty container precaution Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption, or where skin contact can occur.

8. Exposure Controls / Personal Protection

Engineering controls Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product. Explosion proof exhaust ventilation should be used. Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.

Personal protective equipment

- Eye protection** Wear safety glasses with side shields.
- Skin and body protection** Impervious gloves should be used at all times when handling this product. Recommended gloves include rubber, neoprene, nitrile or viton. Use of protective coveralls and long sleeves is recommended.
- Respiratory protection** Do not inhale aerosol. In case of insufficient ventilation wear suitable respiratory equipment. Special applications may necessitate the use of more stringent respiratory protection equipment.
- General** Eyewash fountains and emergency showers are required.

Additional exposure data

US ACGIH Threshold Limit Values: Time Weighted Average (TWA): mg/m³ & ppm

Acetone 67-64-1 ACETONE 500 PPM

US OSHA Table Z-1-A: Time Weighted Average (TWA): mg/m³ & ppm

Acetone 67-64-1 ACETONE 1800 MGM3 - 750 PPM

9. Physical & Chemical Properties

Target solids	2.3 %
pH	N/A
Density	0.8 g/cc
Odor	Solvent
Color	Colorless
Physical state	Aerosol
Freeze protect	No
VOC (Volatile Organic Compounds)	190.4 g/l

10. Chemical Stability & Reactivity Information

Hazardous reactions/decomposition products	Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.
Hazardous polymerization	Will not occur.
Conditions to avoid	Keep away from sources of ignition. Avoid contact with Strong Oxidizers, Reducers, Acids and Alkalis.
Stability	Stable under normal conditions.

11. Toxicological Information

Chronic effects	Chronic exposure to solvents can cause reproductive problems, reduced fertility, dryness and cracking of skin, headaches, loss of appetite and nausea.
Carcinogenicity	If this product contains any carcinogens, they will be noted below:

12. Ecological Information

Ecotoxicological information	Organic solvents produce slight to moderate toxicity to aquatic life. Insufficient data exists to evaluate the effect on plants, birds or land animals.
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13. Disposal Considerations

It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable local, state and federal regulations.

Waste disposal	Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.
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14. Transport Information

DOT

Basic shipping requirements:

Proper shipping name Aerosols
Hazard class 2.1
UN number UN1950



IATA

Basic shipping requirements:

Proper shipping name Aerosols
Hazard class 2.1
UN number UN1950



IMDG

Basic shipping requirements:

Proper shipping name Aerosols
Hazard class 2.1
UN number UN1950



15. Regulatory Information

This MSDS is prepared and distributed pursuant to the Federal Hazard Communication Standard, 29 CFR 1910.1200

Federal regulations All components are on the U.S. EPA TSCA Inventory List.

State regulations If this product contains any California Proposition 65 chemicals at reportable levels they will be listed below:
Phenylethane

Restriction of Hazardous Substances (RoHS) The product(s) covered by this (M)SDS do not contain or are under the prescribed levels of prohibited substances listed under 2011/65/EU Hazardous Substances Restricted or Prohibited in Electrical Equipment, including lead (CAS # 7439-92-1), mercury (CAS # 7439-97-6), cadmium (CAS # 7440-43-9), hexavalent chromium (CAS # 7440-47-3), polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE).

International regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and contains all the information required by the Controlled Products Regulations.

Substances of Very High Concern (SVHC)

The product(s) covered by this (M)SDS do not include any of the substances above a concentration of 0.1% weight by weight (w/w) in the Candidate List of Substances of Very High Concern (SVHC) for authorization published or proposed by ECHA on the following dates:

- October 28, 2008
- August 31, 2009
- January 13, 2010
- March 8, 2010
- June 18, 2010
- October 14, 2010
- December 15, 2010
- June 20, 2011
- December 19, 2011
- February 17, 2012
- June 18, 2012
- December 19, 2012
- June 20, 2013
- December 16, 2013

HMIS Ratings

Health: 2*
Flammability: 4
Physical hazard: 0
Personal protection: X

SARA 311/312 HAZARD CATEGORIES

Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - Yes
Reactivity Hazard - No

WHMIS status

Controlled

WHMIS labeling



WHMIS classification

A - Compressed Gas
B5 - Flammable/Combustible
D2B - Other Toxic Effects-TOXIC

16. Other Information

Disclaimer

The data in this MSDS has been compiled from publicly available sources. This data relates only to the designated product and not to the use of said product in combination with other materials. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Responsibility for proper precautions and safe use of the product lies with the user. All data in this MSDS is typical of the product as a whole, and does not represent any individual lot or batch, therefore, Bostik, Inc. makes no warranty about the accuracy of the data herein and assumes no liability for the use of such data. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

Further information

Any characters following " GLIDECOTE AERO 10.75OZ 12/CS " are just designations for the various types of packaging that are available for this product. These characters do not indicate a different product nor a different regulatory, health, safety and/or environmental status. This document covers the GLIDECOTE AERO 10.75OZ 12/CS for all of its packaging types.

Issue date

03/19/2014

Prepared by

Bostik, Inc. Regulatory Affairs

Supercedes

03/14/2014

This data sheet contains changes from the previous version in section(s):

Regulatory Information: State regulations

