

MSDS Document

Product BOSS® 635 Spray Adhesive

1. Chemical Product and Company Identification

Trade Name of this Product BOSS® 635 Spray Adhesive

Synonyms: 02466TN10

MSDS ID BOSS635

Manufacturer

Accumetric, LLC
350 Ring Road
Elizabethtown, KY 42701

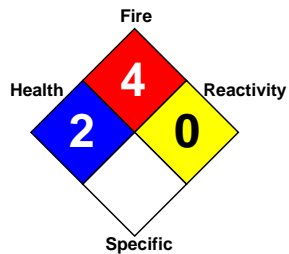
Phone Number

(270) 769-3385

Emergency Phone

CHEMTREC (800) 424-9300

Revision Date 12/17/2009



Health:	2
Fire:	4
Reactivity:	0
Specific	

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Acetone	67-64-1	< 33 %	750 ppm	750 ppm	1000 ppm
n-Hexane	110-54-3	< 22 %	50 ppm	50 ppm	1000 ppm
Propane	74-98-6	< 21 %	1000 ppm	1000 ppm PEL	
Butane	106-97-8	< 16 %	800 ppm	800 ppm TWA	
Methyl Acetate	79-20-9	< 13 %	200 ppm TWA	200 ppm	250 ppm

3. Hazard Identification

Primary Routes of Entry

Eye contact, ingestion, inhalation, skin absorption, skin contact

Eye Contact

Can cause irritation.

Ingestion

May cause chemical pneumonia if aspirated into lungs. DO NOT INDUCE VOMITING.

Inhalation

Overexposure can cause shortness of breath, dizziness and light-headedness.

Skin Contact

Slight irritation and can cause dermatitis.

Existing Conditions Aggravated by Exposure

No known applicable information.

Special Hazard Information

Butane (106-97-8)

Eye Contact: The gas phase is not expected to cause eye irritation. The liquid phase can cause frostbite and burns.

Skin Contact: Contact can cause skin burns and frostbite.

Inhalation: This product is an asphyxiate and may exhibit anesthetic properties at high concentrations.

Ingestion: This material is a gas under atmospheric conditions.

Hexane (110-54-3)

Eye Contact: May cause mild irritation.

Skin Contact: May cause mild irritation. Can be absorbed through skin in harmful amounts.

Inhalation: Vapors may be mildly irritating to lungs. Overexposure may result in central nervous system damage.

Ingestion: May cause effects similar to inhalation.

Acetone (67-64-1)

Eye Contact: Causes pain, redness, swelling and blurred vision

Inhalation: Breathing of high vapor concentrations may cause central nervous system depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death.

Ingestion: Serious lung damage and possibly fatal chemical pneumonia can develop if aspirated into the lungs. May cause central nervous system depression resulting in dizziness, light-headedness and loss of coordination.

Propane (74-98-6)

Eye Contact: The gas phase is not expected to cause eye irritation. The liquid phase can cause frostbite and burns.

Skin Contact: Contact can cause skin burns and frostbite.

Inhalation: This product is an asphyxiate and may exhibit anesthetic properties at high concentrations.

Ingestion: This material is a gas under atmospheric conditions.

Chronic Effects of Overexposure

Chronic prolonged exposure above the OSHA permissible exposure limits (PEL) may result in kidney and liver damage.

Acute Toxicity

Not determined

4. First Aid Information

Eye Contact

Flush with large amounts of water for at least 20 minutes. Lifting upper and lower lids occasionally, get medical attention.

Ingestion

Do not induce vomiting. Immediately drink two glasses of water. Never give anything to an unconscious person. Get medical attention.

Inhalation

Remove individual to fresh air. Give oxygen if breathing is labored. If breathing has stopped give artificial respiration. Keep person warm, quiet and seek medical attention.

Skin Contact

Thoroughly wash exposed skin with soap and water.

5. Fire Fighting Measures

Flash Point	Not Determined
LEL	1.2
UEL	12.8

Auto-ignition Temperature

Not determined

Extinguishing Media

Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam, Water Fog

Special Fire Fighting Procedures

Fire fighters should wear a full face positive pressure self contained breathing apparatus (SCBA) when fighting fire. Water may be used to cool closed containers to prevent pressure build up and possible autoignition or explosion when exposed to extreme heat.

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products:

Carbon monoxide
Carbon dioxide
Traces of phosgene gas

Unusual Fire or Explosion Hazards

Material is highly volatile and readily gives off vapors which may travel along the ground and be ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharges or other ignition source distant from the handling point.

6. Accidental Release Measures

Steps to be taken in case of spill or release

Isolate spill or leak area immediately. Keep unauthorized personnel away. Ventilate area and eliminate all ignition sources. For small spills, clean up with inert materials and dispose

of in accordance with local, state and federal regulations. For large spills, dike ahead of spill for later disposal. Do not discharge effluent of this product into lakes, streams or other waters. Dispose of in accordance with all local, state and federal regulations.

7. Handling and Storage

Handling

Keep containers tightly closed. Isolate from heat, sparks and open flames. Closed containers may explode when exposed to extreme heat.

Storage

Do not store in direct sunlight, near open flames/sparks or at temperatures exceeding 120F.

Other Precautions

Smoking in the area where this product is used should be strictly prohibited. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

8. Exposure Controls and Personal Protection

Exposure Controls

Acetone (67-64-1)
OSHA Exposure Limits 750 ppm
ACGIH Exposure Limits 500 ppm

Hexane (110-54-3)
OSHA Exposure Limits 500 ppm

Butane (106-97-8)
ACGIH TLV: 800ppm
NIOSH REL: 800ppm

Propane (74-98-6)
ACGIH TLV: 2500ppm
NIOSH REL: 1000ppm
OSHA PEL: 1000ppm

Eye Protection

Safety goggles, face shield or eye protection in combination with breathing protection. Contact lenses should not be worn.

Ingestion

Do not eat, drink or smoke during work.

Respiratory Protection

General ventilation may be adequate for maintaining airborne concentrations below established exposure limits. If general ventilation is inadequate, supplemental local exhaust may be required. Where explosive mixture may be present, systems safe for such locations should be used.

Skin Protection

Appropriate impervious gloves. Because a variety of protective gloves exist, consult glove

manufacturer to determine the proper type for a specific operation.

Other Precautions

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

9. Physical and Chemical Properties

Physical State	Not Determined
Color/Appearance	Aerosol Spray
Odor	Solvent
Evaporation Rate	Slower than ether
VOC %	Not Determined
Percent Volatile	Not Determined
Vapor Density	Not Determined

Note

The above information is not intended for use in preparing product specifications. Contact Accumetric LLC before writing specifications.

10. Stability and Reactivity

Chemical Stability

Stable under normal conditions.

Hazardous Polymerization

Will not occur

Materials to Avoid

Avoid contact with strong oxidizing agents, strong alkalis, and strong mineral acids.

Conditions to Avoid

Keep away from heat, sparks, open flames, and any ignition source.

11. Toxicological Information

NIOSH - Selected LD50s and LC50s

Acetone (67-64-1)

LC50	Rat	4 hour	Not Available
LD50	Rat	4 hour	5800 mg/kg

Hexane (110-54-3)

LC50	Rat	4 hour	Not Available
LD50	Rat	4 hour	28,700 mg/kg

Propane (74-98-6)

LC50	Rat	4 hour	Not Available
LD50	Rat	4 hour	Not Available

Butane (106-97-8)

LC50	Rat	4 hour	Not Available
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LD50 Rat 4 hour Not Available

Carcinogenicity

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

12. Ecological Information

Environmental Effects

Complete information is not yet available.

Environmental Fate and Distribution

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

13. Disposal Considerations

Waste Disposal Method

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

This material if discarded may be hazardous under US EPA RCRA regulations. All disposal activities must comply with federal, state and local regulations. Contact your local or state environmental agency for specific rules. Do not dump into sewers, on the ground or into any body of water.

14. Transportation Information

DOT Road Shipment Information

Hazard Class: ORM-D

Identification Number: UN1133

Packing Group: III

Proper Shipping Name: Consumer Commodity

Label: ORM-D (Adhesives)

15. Regulatory Information

The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status

All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

SARA Title III Section 302 Extremely Hazardous Substances

None

SARA Title III Section 304 CERCLA Hazardous Substances

n-Hexane (110-54-3)

SARA Title III Section 313 Toxic Chemicals

n-Hexane (110-54-3)

California Proposition 65

This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm:

None known

New Jersey

Acetone (67-64-1)

Hexane (110-54-3)

Methyl Acetate (79-20-9)

Butane (106-97-8)

Propane (74-98-6)

Pennsylvania

Acetone (67-64-1)

Hexane (110-54-3)

Methyl Acetate (79-20-9)

Butane (106-97-8)

Propane (74-98-6)

16. Other Information

Disclaimer

The data contained herein is based upon information that Accumetric LLC believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements to suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.