



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product name** L4036  
**MSDS name** ADH 4036 GA  
**CAS #** Mixture  
**Product use** Adhesive  
**Generic description** Solvent Based Dispersion  
**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** Liquid and vapors are flammable. Contact may cause skin and eye irritation. Mist may cause nose and throat irritation. Ingestion will cause nausea, vomiting, pain, upset stomach, and diarrhea.

**Potential health effects**

**Eyes** Liquid or vapors may irritate the eyes. Prolonged or repeated contact may worsen irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May lead to permanent damage if not treated promptly.

**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.

**Inhalation** This product may cause irritation to the respiratory system. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

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

**Target organs** Lungs, skin and eyes. Central nervous system. Kidneys.

**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
Methyl ethyl ketone	78-93-3	60 - 80
Sulfur	7704-34-9	0.5 - 1.5

## 4. First Aid Measures

**First aid procedures**

**Eye contact** In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. Get medical attention or advice.

**Skin contact** For skin contact flush with large amounts of water. If irritation persists, repeat flushing and get medical attention. Discard any shoes or clothing items that cannot be decontaminated.

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

**Ingestion** If the material is swallowed, get immediate medical attention or advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth to a victim who is unconscious or is having convulsions.

**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**

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**

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**

Firefighters should wear full protective clothing including self contained breathing apparatus.

**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. Vapors may be heavier than air and may travel long distances along the ground before igniting back to vapor source. High temperatures can cause sealed containers to rupture due to a buildup of internal pressures. Cool with water.

**Flash point**

17 °F (-8.3 °C)

**6. Accidental Release Measures****Emergency action**

WARNING, Flammable. Eliminate all sources of ignition. 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.

**Containment procedures**

Stop discharge if safe to do so. 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. Wash hands thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles, face shields, and gloves. Professionally launder contaminated clothing before re-use. Avoid breathing vapors or mists of this product. Use this product with adequate ventilation. Do not reuse the empty container.

**Storage**

Keep the container tightly closed and in a cool, well-ventilated place. Do not handle or store near an open flame, heat or other sources of ignition. All containers must be bonded or grounded to minimize risk.

**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. Do not heat or cut empty container with electric or gas torch.

**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; chemical goggles (if splashing is possible). Contact lenses should not be worn.

**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** Special applications may necessitate the use of more stringent respiratory protection equipment.

**General** Eyewash fountains and emergency showers should be readily available. Use good industrial hygiene practices in handling this material.

#### Additional exposure data

**US ACGIH Threshold Limit Values: Time Weighted Average (TWA): mg/m<sup>3</sup> & ppm**

Methyl ethyl ketone 78-93-3 METHYL ETHYL KETONE (MEK) 200 PPM

**US OSHA Table Z-1-A: Time Weighted Average (TWA): mg/m<sup>3</sup> & ppm**

Methyl ethyl ketone 78-93-3 2-BUTANONE 590 MGM3 - 200 PPM

### 9. Physical & Chemical Properties

<b>Target solids</b>	30 %
<b>pH</b>	N/A
<b>Density</b>	0.89 g/cc
<b>Physical state</b>	Liquid
<b>Freeze protect</b>	No

### 10. Chemical Stability & Reactivity Information

**Hazardous reactions/decomposition products** If product is burned carbon monoxide, carbon dioxide, acetic acid, vinyl acetate, and other unknown products may be produced. Additionally, depending on conditions, some aliphatic aldehydes and carboxylic acids may be formed.

**Hazardous polymerization** Will not occur.

**Conditions to avoid** Extremes of temperature and direct sunlight. Keep away from sources of ignition.

**Stability** Stable under normal conditions. This product may react with strong acids, bases and oxidizing agents.

### 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.

### 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. Empty containers must be handled with care due to product residue. Do not heat or cut empty container with electric or gas torch.

## 14. Transport Information

### DOT

**Basic shipping requirements:**

**Proper shipping name** Adhesives  
**Hazard class** 3  
**UN number** UN1133  
**Packing group** II



### DOT NON-BULK

**Basic shipping requirements:**

**Proper shipping name** Adhesives  
**Hazard class** 3  
**UN number** UN1133  
**Packing group** II



### IATA

**Basic shipping requirements:**

**Proper shipping name** Adhesives  
**Hazard class** 3  
**UN number** UN1133  
**Packing group** II



### IMDG

**Basic shipping requirements:**

**Proper shipping name** Adhesives  
**Hazard class** 3  
**UN number** UN1133  
**Packing group** II



## 15. Regulatory Information

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

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
- May 31, 2011

### 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:

4-Vinylcyclohexene  
Acrylonitrile

### 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.

### HMIS Ratings

Health: 2  
Flammability: 3  
Physical hazard: 0  
Personal protection: X

### SARA 311/312 HAZARD CATEGORIES

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

### WHMIS status

Controlled

### WHMIS labeling



### WHMIS classification

B2 - 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.

### Issue date

06/22/2011

### Prepared by

Bostik, Inc. Regulatory Affairs

### Supercedes

06/09/2011

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

Regulatory Information: State regulations  
Regulatory Information: Default Statements