

# Safety Data Sheet



## SECTION I - IDENTIFICATION

**PRODUCT NAME:** GAST #AH255D  
**PRODUCT CODE:** 600190-SB37  
**PRODUCT USE:** Brake Cleaner  
**COMPANY NAME:** Beaver Research Company  
**COMPANY ADDRESS:** 3700 E. Kilgore Rd., Portage, MI 49002, 1-800-544-0133  
**EMERGENCY PHONE:** INFOTRAC (24 hrs.) 1-352-323-3500 (International), 1-800-535-5053 (USA)

## SECTION II - HAZARDS IDENTIFICATION

**CLASSIFICATION:** Flammable Aerosol: Category 1  
Dissolved Gas  
Skin Irritant: Category 2  
Eye Irritant: Category 2A

**HAZARD STATEMENT(S): DANGER:** Extremely Flammable Aerosol Contains gas under pressure: May explode if heated. Causes skin and serious eye irritation.

This product contains the following percentage of chemicals of unknown toxicity: 0%

**PRECAUTIONARY STATEMENTS:** Keep away from heat, sparks, open flames, and 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. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves and eye protection. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. 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 attention.



**SYMBOL:**

**HAZARDS NOT OTHERWISE CLASSIFIED:** N/A

## SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Acetone	67-64-1	60-100%
Heptane	142-82-5	5-10%
Carbon Dioxide	124-38-9	60-100%

## SECTION IV - FIRST AID MEASURES

**EYES:** 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 or attention.

**INGESTION:** Do not induce vomiting. Seek medical attention.

**INHALATION:** Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.

**SKIN:** Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation develops.

**ACUTE HEALTH HAZARDS:** Eyes: redness, tearing, blurred vision

Skin: defatting and dermatitis

Inhalation: Irritation

Oral: abdominal irritation, nausea, vomiting, and diarrhea

**CHRONIC HEALTH HAZARDS:** None Known

**NOTE TO PHYSICIAN:** There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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### SECTION V – FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Dry Chemical, Alcohol Foam, and

**CO2 UNSUITABLE EXTINGUISHING MEDIA:** Water spray/stream.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon

### SECTION VI – ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:** Refer to section VIII for proper Personal Protective Equipment.

**SPILL:** Eliminate all sources of ignition.

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

**RCRA STATUS:** Waste solvent likely considered F003, Flammable, Non-halogenated solvent, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

### SECTION VII – HANDLING AND STORAGE

**HANDLING AND STORAGE:** Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use.

**OTHER PRECAUTIONS:** Keep out of the reach of children. Follow label directions exactly. Vapors may collect in low lying areas.

**INCOMPATIBILITY:** Concentrated nitric and sulfuric acid, oxidizers, chloroform, alkalis, chlorinated compounds, acids

### SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Acetone	1000 ppm	500 ppm
Heptane	400 ppm	400 ppm
Carbon Dioxide	5000 ppm	5000 ppm

**ENGINEERING CONTROLS / VENTILATION:** Ambient ventilation suitable, forced ventilation should not be required

**RESPIRATORY PROTECTION:** Not required with normal use. Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses and chemical resistant gloves

**ADDITIONAL MEASURES:** Wash hands and all equipment thoroughly after use.

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear, Colorless Spray

**ODOR:** Aliphatic solvent odor

**ODOR THRESHOLD:** N/D

**BOILING POINT:** ND

**FREEZING POINT:** N/D

**FLAMMABILITY:** Extremely Flammable Aerosol

**FLASH POINT:** N/D

**AUTOIGNITION TEMPERATURE:** N/D

**LOWER FLAMMABILITY LIMIT:** N/D

**UPPER FLAMMABILITY LIMIT:** N/D

**VAPOR PRESSURE (mm Hg):** 180 mmHg

**VAPOR DENSITY (AIR=1):** > 2

**EVAPORATION RATE:** > 1

**SPECIFIC GRAVITY (H2O=1):** 0.775

**pH:** N/A

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**SOLIDS (%):** N/D  
**SOLUBILITY IN WATER:** 0%  
**PARTITION COEFFICIENT: n-OCTANOL/WATER (K<sub>ow</sub>):** N/D  
**VOLATILITY INCLUDING WATER (%):** 100%  
**VOLATILE ORGANIC COMPOUNDS (VOC):** 8%  
**DIELECTRIC STRENGTH (Volts):** N/D  
**DECOMPOSITION TEMPERATURE:** N/D  
**VISCOSITY:** N/D

### SECTION X – STABILITY AND REACTIVITY DATA

**REACTIVITY:** If exposed to strong oxidizers, presents explosion hazard.  
**CHEMICAL STABILITY:** Stable  
**CONDITIONS TO AVOID:** Temperatures greater than 122°F and sources of ignition.  
**INCOMPATIBILITY:** Concentrated nitric and sulfuric acid, oxidizers, chloroform, alkalis, chlorinated compounds, acids  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCT:** Oxides of carbon  
**POSSIBLE HAZARDOUS REACTIONS:** None Known

### SECTION XI – TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** **Acetone** (67-64-1) LD<sub>50</sub> (Oral, Rat) 5800 mg/kg; LD<sub>50</sub> (Oral, Mouse) 3000 mg/kg; LD<sub>50</sub> (Oral, Rabbit) 5340 mg/kg; LC<sub>50</sub> (Inhalation, Rat, 8hr) 50100 mg/m<sup>3</sup>; LC<sub>50</sub> (Inhalation, Mouse, 4hr) 44,000 mg/m<sup>3</sup> **Aliphatic Petroleum Distillate** (64742-89-8) LD<sub>50</sub> (Oral, Rat) 8000 mg/kg; LC<sub>50</sub> (Inhalation, Rat) 3400 ppm; LD<sub>50</sub> (Dermal, Rat) 4000 mg/kg

**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin

**EYES:** Causes irritation, defatting.

**INGESTION:** Causes gastrointestinal irritation, nausea, diarrhea, absorption through gastrointestinal tract may produce symptoms of central nervous system depression ranging from light headedness to unconsciousness.

**INHALATION:** Dizziness, headache, nausea, depression of central nervous system, prolonged exposure may lead to unconsciousness

**SKIN:** Brief contact is not irritating. May cause irritation, localized defatting, redness, itching with prolonged or repeated contact. Can be absorbed through the skin with prolonged and widespread contact.

**MEDICAL CONDITION AGGRAVATED:** Excessive exposure will aggravate pre-existing skin disorders, respiratory, liver, kidney, cardiovascular or pulmonary illnesses.

**ACUTE HEALTH HAZARDS:** Eyes: redness, tearing, blurred vision

Skin: defatting and dermatitis

Inhalation: Irritation

Oral: abdominal irritation, nausea, vomiting, and diarrhea

**CHRONIC HEALTH HAZARDS:** None Known

**CARCINOGENICITY:** OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

### SECTION XII – ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:** **Acetone** (67-64-1) LC<sub>50</sub> (Trout, 96hr) 5540 mg/L; LC<sub>50</sub> (Bluegill, 96hr) 8300 mg/L; LC<sub>50</sub> (Fathead Minnow, 96hr) 7500 mg/L

**BIODEGRADABILITY:** Component or components of this product are not biodegradable.

**BIOACCUMULATION:** Components in this mixture can bio accumulate in aquatic organisms.

**SOIL MOBILITY:** This product is mobile in soil.

**OTHER ECOLOGICAL HAZARDS:** This material is toxic to aquatic life.

### SECTION XIII – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

**RCRA STATUS:** Waste solvent likely considered F003, Flammable, and Non-halogenated solvent, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

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### SECTION XIV - TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.  
**HAZARD CLASS/DIVISION:** 2.1  
**UN/NA NUMBER:** UN 1950  
**PACKAGING GROUP:** N/A

#### AIR SHIPMENT

**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.  
**HAZARD CLASS/DIVISION:** 2.1  
**UN/NA NUMBER:** UN 1950

#### SHIPPING BY WATER:

**VESSEL (IMO/IMDG)**  
**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.  
**HAZARD CLASS/DIVISION:** 2.1  
**UN/NA NUMBER:** UN 1950  
**ENVIRONMENTAL HAZARDS WATER:** Marine Pollutant

### SECTION XV - REGULATORY INFORMATION

**TSCA STATUS:** All Chemicals are listed or exempt.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** Acetone (67-64-1) Reportable Quantity = 5,000 lbs.

**SARA 311/312 HAZARD CATEGORIES:** Acetone (67-64-1) Acute Health, Fire, Pressure.

**SARA 313 REPORTABLE INGREDIENTS:** Aliphatic Petroleum Distillate (64742-89-8)

**STATE REGULATIONS:** Acetone (67-64-1) Connecticut hazardous material survey, Illinois toxic substances disclosure to employee act, Illinois chemical safety act, New York release reporting list, **RTK** - RI, PA, FL, MN, MA, NJ; Massachusetts spill list, New Jersey spill list, Louisiana spill reporting, California List of Hazardous Substances (8 CCR 339): Acetone TSCA 8(b) inventory: Acetone TSCA 4(a) final test rules: Acetone TSCA 8(a) IUR: Acetone

**INTERNATIONAL REGULATIONS:** Acetone (67-64-1) Australia, China, Europe (EINECS), Japan, Korea, United Kingdom, Canada, WHMIS (Canada): CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects (TOXIC). p. 6; DSCL (EEC): R11- Highly flammable. R36- Irritating to eyes. S9- Keep container in a well-ventilated place. S16- Keep away from ignition sources. S26- In case of eye contact, rinse immediately with plenty of water and seek medical advice.

**NFPA HEALTH:** 1  
**NFPA FLAMMABILITY:** 3  
**NFPA REACTIVITY:** 0  
**NFPA OTHER:** None

**HMIS HEALTH:** 1  
**HMIS FLAMMABILITY:** 3  
**HMIS REACTIVITY:** 0  
**HMIS PROTECTION:** B

### SECTION XVI - ADDITIONAL INFORMATION

**PREPARATION BY:** Jonathon Jarvis  
**DATE PREPARED:** 01/22/2014  
**REVISION DATE:** 08/18/2014

N/A = Not Applicable; N/D = Not Determined

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