

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name (As Labeled)	BSA-532
Chemical Name:	Acetone
Product Number:	BSA-532
Uses:	Flammable Nitrile Based Contact Adhesive
UN Number:	UN 1133
UN Dangerous /goods Class/Subsidiary Risk:	Hazard Class 3 Packing Group II
Manufacture's Name:	Bird Song Adhesives, Inc.
Address:	122 Cude Ln. Madison, TN. 37115 USA
Emergency Phone:	(800) 424-9300 (CHEMTREC)
Business Phone:	(615) 860-2798 (Product Information)
Date of Preparation:	11/10/2011
Date of last revision:	7/24/2012

SECTION 2 HAZARD IDENTIFICATION

OSHA Hazards

Flammable liquids, Target Organs Effect, Irritant

Target Organs

Liver, Kidney

GHS Classification

Flammable liquids (Category 2)

Skin irritation (Category 3)

Eye irritation (Category 2A)

Specific target organ toxicity - single exposure (Category 3)



Signal Word

DANGER

Hazard Statement's)

H225	Highly Flammable liquid and vapor.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary Statement's)

P-210 Keep away from heat/sparks/open flames/hot surfaces- **NO Smoking**
 P-261 Avoid breathing dust/fume/gas/mist/vapors/spray.
 P305+P-351+P-338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification

Health Hazard: 2
Chronic Health Hazard: *
Flammability: 3
Physical Hazard: 0

NFPA Rating

Health Hazard: 2
Fire: 3
Reactivity Hazard: 0

Potential Health Effects

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.
Skin: May be harmful if absorbed through skin. Causes skin irritation.
Eyes: Causes eye irritation.
Ingestion: May be harmful if swallowed.

SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NO.	EC-No.	WT % RANGE
1	Acetone	67-64-1	200-662-2	69-75%

SECTION 4 - FIRST AID MEASURES

Consult a physician. Show this safety data sheet to the doctor in attendance.

EYE CONTACT: Flush with large quantities of water for at least 15 minutes or until irritation subsides. Contact a Physician.

SKIN CONTACT: Wash with soap and water, Consult a physician.

INHALATION: Move to fresh air. If not breathing ,give artificial respiration. If breathing is difficult, give oxygen. Contact a Physician immediately.

INGESTION: Do not induce vomiting. If irritation or complications arise, contact a Physician or Regional Poison Control Center immediately.

SECTION 5 - FIRE FIGHTING MEASURES**Conditions of Flammability:**

Flammable in the presents of a source of ignition when the temperature is above the flash point keep away from heat/sparks/open flam/hot surface. **NO Smoking!**

Suitable extinguishing media:

Dry chemical, Carbon dioxide(CO2), Water spray, Alcohol-resistant foam.

Hazardous combustion products:

Hazardous decomposition products form under fire conditions-Carbon oxides.

Precautions for fire-fighting:

Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the material handling point.

Wear full fire fighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

Further Information:

Use water spray to cool unopened containers.

SECTION 6 - ACCIDENTAL RELEASE MEASURES**Personal Precautions:**

Use personal protectective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personal to safe areas. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and clean up:

Contain spillage, and the collect with an electrically protected vacuum cleaner or wet-brushing and place in container for disposal according to local regulations.

SECTION 7 - HANDLING AND STORAGE**Precautions for safe handling:**

HANDLING INFORMATION: KEEP OUT OF THE REACH OF CHILDREN. Avoid skin and eye contact. Avoid breathing vapors. Use only in a well ventilated area.

Storage information: Store away from caustics and oxidizers. Keep away form heat, sparks, and flames. Keep containers tightly closed when not in use. Keep containers from excessive heat and freezing. Use and store containers in a well ventilated area.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION
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SDS Components	CAS-No.	Value	Exposure Limits	Governing Body
Acetone	67-64-1	TWA	500 ppm	USA, ACGIH Threshold Limit Values
Acetone	67-64-1	STEL	750 ppm	USA, ACGIH Threshold Limit Values
Acetone	67-64-1	TWA	750 ppm	USA, OSHA - Table Z-1 Limits of air Contaminants
Acetone	67-64-1	STEL	1000 ppm	USA, OSHA - Table Z-1 Limits of air Contaminants
Acetone	67-64-1	TWA	1000 ppm	USA, OEL (OSHA)-Table Z-1 Limits for air Contaminants
Acetone	67-64-1	TWA	250 ppm	USA, NIOSH Recommended Exposure Limits.

Provide sufficient mechanical ventilation (local or general exhaust) to maintain exposures below PEL and TLV. Vapors are heavier than air and will collect in low areas. Check all low areas (basements, sumps, ect.) for vapors before entering.

Respiratory Protection:

When risk assessment shows air-purifying respirators are appropriate use full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection:

Handle with gloves. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye Protection:

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

Skin and Body Protection:

Impervious clothing, Flame retardant protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid, Amber to Clear

Odor: Keytone

PH: Not Applicable

Boiling Point: 56 C 133 Deg. F Based on first boiling component (Acetone)

Flash Point: -17 Deg. C (1.4 Deg. F) Close Based on (Acetone)

Evaporation Rate: 14.40 n-Butyl Acetate

Ignition Temperature: 465 C (869 F) (Acetone)

Upper Explosion Limits: 13 %

Lower Explosion Limits: 2 %

Vapor Pressure: 533.3 hPa (400.0 mmHg) at 39.5 Deg. C (103.1 Deg F) (Acetone)
245.3 hPa (184.0 mmHg) at 20.0 Deg. C (68.0 Deg. F) (Acetone)

Vapor Density: 0.791 g/cm³ at 25 Deg. C (77 Deg. F) (Acetone)

Water Solubility: Miscible

Partition Coefficients: log Pow: -0.24

Pounds Per Gal. 7.15 #

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under recommended storage conditions.

Possibility of Hazardous Reactions:

Vapors may form explosive mixture with air.

Conditions to Avoid:

Heat, Flames and sparks, Extremes of temperature and direct sunlight.

Materials to Avoid:

Bases, Oxidizing agents, Reducing agents, Acetone reacts violently with Phosphorous oxychloride.

Hazardous Decomposition Products:

Hazardous Decomposition Products formed under fire conditions,-Carbon Oxides

Other decomposition products- no data available

SECTION 11 - TOXICOLOGICAL PROPERTIES

Acute Toxicity:

Oral LD50

LD50 oral- rat-5,800 mg/kg

Remarks: Behavioral: Altered sleep time (including change in righting reflex) Behavioral: Tremor

Inhalation LC50

LC50 Inhalation-rat-8 h-50,100 mg/kg

Other information on Acute Toxicity:

No data available

Skin Corrosion/Irritation:

Skin - rabbit - Mild skin irritation

Serious Eye Damage/Eye Irritation:

Eyes - rabbit - Eye irritation - 24 h

Respiratory or Skin Sensitization:

Chronic exposure may cause dermatitis.

Germ Cell Mutagenicity:

No data available

Reproductive Toxicity:

No data available.

Specific Target Organs Toxicity- Single Exposure (GHS)

May cause drowsiness or dizziness/

Aspiration Hazard:

No data available.

Potential Health Effects:

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.

Signs and Symptoms of Exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic Effects: No data available

Additional Information:

RTECS: AL3150000

SECTION 12 - ECOLOGICAL INFORMATION
Toxicity:

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 5,540.00 mg/l - 96 h

Toxicity to daphnia LC50 - Daphnia magna (Water flea) - 13,500.00 mg/l - 48 h
and other aquatic invertebrates.

Persistence and Degradability:

No data available

Bioaccumulative Potential:

No data available

Mobility in Soil:

No data available

PBT and vPvB Assessment:

No data available

Other Adverse Effects:

No data available

SECTION 13 - DISPOSAL CONSIDERATIONS**Product:**

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.

WASTE MANAGEMENT/DISPOSAL: Dispose of according to Federal, State, and Local Standards. Discarded material should be incinerated at a permitted facility. Liquids cannot be disposed of in a landfill. Do not reuse empty containers. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper waste disposal is with the owner of the waste.

EPA WASTE CODE - If discarded (40 CFR 261) : D001-Ignitable.

SECTION 14 - TRANSPORTATION INFORMATION**DOT (US):**

DOT PROPER SHIPPING NAME:UN1133,Adhesive, containing a flammable liquid,Class 3,PG II

DOT HAZARD Class: 3

DOT UN/NA NUMBER: UN 1133 Packing Group: II

Reportable Quantity (RQ): 5000 Lbs.

Marine pollutant: No

Poison Inhalation Hazard: No

IMDG:

UN number: 1133 Class: 3 Packing Group: II

Proper shipping name: Adhesive , containing a flammable liquids

Marine pollutant: No

IATA:

UN number 1133 Class: 3 Packing Group: II

Proper shipping name: Adhesive , containing a flammable liquids

DANGER : Highly Flammable Liquid and Vapor

SECTION 15 - REGULATORY INFORMATION**OSHA Hazards:**

Flammable Liquid, Target Organ Effect, Irritant

SARA 302 Components:

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III Section 302.

SARA 313 Components:

SARA SECTION 313:This material does not contain any chemical compound with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazard :

Fire Hazard, Acute Health Hazard, Chronic Health hazard.

Massachusetts Right to Know Components:

Acetone	CAS #	Revision Date
	67-64-1	7/24/2012

Pennsylvania Right to Know Components:

Acetone	CAS #	Revision Date
	67-64-1	7/24/2012

New Jersey Right to Know Components:

Acetone	CAS #	Revision Date
	67-64-1	7/24/2012

California Prop. 65 Components:

This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 0

REASON FOR REVISION: To Correct MSDS Number/Change OSHA Hazcom Information

HAP less water, less exempt solvent: 0.0 gm/1-----0.0 # Per Gal. where Acetone is exempt.

VOC less water, less exempt solvent: 0.0 gm/1-----0.0 # Per Gal. where Acetone is exempt.

Product Shelf Life: 12 Months from the date of Mfg. in an unopened sealed container.

This data is offered in good faith as typical value and not as a product specification. No warranty either express or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review the recommendations in specific context of the intended use and determine if they are appropriate.

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