

Material Safety Data Sheet

#BC-8 & BC-32 RUBBER BASED NITRILE ADHESIVE

GLOBAL ADHESIVES, LLC

SECTION I PRODUCT IDENTIFICATION

Product Name #BC-32 , #BC-8
Product SOLVENT BASED CONTACT ADHESIVE

SECTION 11 HAZARD IDENTIFICATION COMPOSITION

| Ingredients | CAS# | WT% | TWA | PEL (ppm) | | SKIN DESIGNATION | LD50 OF INGREDIENT SPECIES & ROUTE |
|-------------|----------|-----|---------|-----------|---------|------------------|------------------------------------|
| | | | | STEL | CEILING | | |
| Toluene | 108-88-3 | >30 | 100 ppm | 150 ppm | N/A | N/A | Not Available |
| Hexane | 110-54-3 | >20 | 50ppm | 1000ppm | N/A | N/A | 9000 Lo (Rat) |
| Acetone | 67-64-1 | >20 | 750ppm | 1000ppm | N/A | N/A | Not Available |

SECTION 111 PHYSICAL DATA

PHYSICAL STATE: LIQUID
ODOR AND APPEARANCE: BLACK WITH A SLIGHT SOLVENT ODOR
VOC: 442
ODOR THRESHOLD: N/A
VAPOR PRESSURE: 140 mm Hg at 66° F
VAPOR DENSITY: N/A
EVAPORATION RATE: 8.1 BuAc =1
BOILING POINT: 156° F
FREEZING POINT: <78°F
Ph: N/A
SPECIFIC GRAVITY: 0.85 – 0.89
COEFF. WATEROUS DIST.: N/A
SOLUBILITY IN WATER: Negligible
VOLATILES BY WT: <60

SECTION IV – FIRE AND EXPLOSION DATA

FLAMMABILITY: YES
IF YES WHICH CONDITIONS: Open flames, sparks and excessive heat
FLASHPOINT (°C) AND METHOD: <0 °
AUTO IGNITION TEMPERATURE (C °): 511F
LOWER FLAMMABLE LIMIT % BY VOLUME: 1.2
UPPER FLAMMABLE LIMIT % BY VOLUME: 7.5
HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, acrid smoke and fumes
EXPLOSION DATA: HIGHLY VOLATILE
SENSITIVITY TO IMPACT: Not sensitive to impact
SENSITIVITY TO STATIC DISCHARGE: Avoid static discharge, ground when using
NFPA CODE: HEALTH – 2, FLAMMABILITY – 3, REACTIVITY – 0, PROTECTION – 2
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam, water spray or fog, and vaporizing liquid type extinguishing agents are all suitable for extinguishing fires involving this type of product.
SPECIAL FIRE FIGHTING PROCEDURES: Wear a self-contained breathing apparatus with full face piece (MSHA-NIOSH approval) with a pressure demand or other positive pressure mode when fighting fires.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Material is highly volatile and readily gives off vapors which are heavier than air and may travel along the ground or be moved by ventilation systems to be ignited by heat, open flames, pilot lights, sparks, cigarettes, static discharge, electric motors, or other ignition sources that are distant from the material handling point. Contents are under pressure and may explode if exposed to heat. Store below 120°f

SECTION V – REACTIVITY DATA

CHEMICAL STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids, Oxidizers and Alkalis
CONDITIONS TO AVOID: Avoid exposure to heat, sparks, open flames and other ignition sources.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, acrid smoke and fumes and other unidentified toxic materials.

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SECTION VI – TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO PRODUCT:

EYES: Can cause irritation including stinging, burning, tearing, redness and swelling

SKIN: Can cause irritation including, redness, burning, drying, inflammation. Material may be absorbed through the skin in harmful amounts from prolonged contact.

INHALATION: Can cause irritation of the nose and throat airways. High concentrations may cause central nervous system depression with symptoms of dizziness, headaches, nausea and confusion.

INGESTION: Can cause irritation of the mouth, throat, and gastrointestinal tract with symptoms of abdominal pain, nausea, vomiting and diarrhea.

SECTION VI – TOXICOLOGICAL PROPERTIES CONTINUED

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Over exposure may cause irreversible damage to the peripheral nervous system.

EXPOSURE LIMITS: See PEL

IRRITANCY OF PRODUCT: Eye, nose, and throat irritation a possibility

SENSITIZATION TO PRODUCT: Unlikely with good clean measures

CARCINOGENICITY: No evidence

TERATOGENICITY: No evidence

REPRODUCTIVE TOXICITY: No evidence

MUTAGENICITY: No evidence

SYNERGISTIC PRODUCT: None known

SECTION VII – PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES (SPECIFY): No significant concern

RESPIRATOR (SPECIFY): None required if used in ventilated area

EYE (SPECIFY): Follow good industrial practice be wearing safety glasses

FOOTWARE (SPECIFY): Follow good industrial practices

CLOTHING (SPECIFY): Follow good industrial practices

OTHER (SPECIFY): N/A

ENGINEERING CONTROLS (SPECIFY. E.G. VENTILLATION, ENCLOSED PROCESS): Good ventilation recommended

LEAK OR SPILL PROCEDURE: In poor ventilation, a NIOSH approved respirator should be worn.

WASTE DISPOSAL: In accordance with Federal, State and local regulations

HANDLEING PROCEDURES AND EQUIPMENT: Wash hands with soap and water before eating or drinking, launder clothing

STORAGE REQUIREMENTS: Keep containers cool, dry, and away from heat. Store with adequate ventilation. Do not pressurize, cut, grind or weld containers.

SPECIAL SHIPPING INFORMATION: Class 55, Item number 4620, Sub 5

SECTION VIII – FIRST AID MEASURES

SPECIFIC MEASURES:

EYE CONTACT: Flush eyes with running water for 15 minutes, get medical attention

SKIN CONTACT: Flush skin with running water, wash with soap and water

INHALATION: Remove to well ventilated area

INGESTION: Do not induce vomiting. Get medical attention immediately.

SECTION IX – SARA SECTION 131 SUPPLIER NOTIFICATION

CAS NUMBER TOLUENE #108-88-3 PERCENT BY WEIGHT >34

CAS NUMBER ACETONE #67-64-1 PERCENT BY WEIGHT >20

CAS NUMBER HEXANE #110-54-3 PERCENT BY WEIGHT >20

SECTION X – PREPARER INFORMATION

PREPARED BY (GROUP, DEPARTMENT, ETC) : Research and development

PHONE # 928-855-0159

DATE: OCTOBER 2007

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