

**SAFETY DATA SHEET**



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**1. CHEMICAL PRODUCT & MANUFACTURER:**

**BONDLINE ADHESIVES, INC.**  
500 N. WOODS AVENUE  
EVANSVILLE, IN 47712  
812-423-4651 FAX 812-422-2662

PRODUCT: Lionguard LG-BA10 Neo Bonding Adhesive  
GHS PRODUCT ID: Lionguard LG-BA10 Neo Bonding Adh  
**Recommended for use as: EPDM/TPO bonding adhesive**  
Restrictions on use:

PRODUCT NAME: Lionguard LG-BA10 Neo Bonding Adhesive  
CHEMICAL FAMILY: HYDROCARBON

MANUFACTURER/DISTRIBUTOR:  
SAME AS ABOVE

TELEPHONE:  
SAME AS ABOVE

**24 HOUR EMERGENCY CONTACT NUMBER: PERS 1-800-728-2482 PERS ID#3624**

**2. HAZARDS IDENTIFICATION:**

GHS Rating (1=Most Severe 4=Least Severe): HEALTH 2 FLAMMABILITY 2 REACTIVITY 0



**DANGER**

- Highly flammable liquid and vapor. (H225)
- Causes skin irritation. (H315)
- May be fatal if swallowed and enters airways. (H304)
- May cause drowsiness or dizziness. (H336)

**Precautionary Statement(s):**

- Do not handle until all safety precautions have been read and understood (P202)
- Store in a well-ventilated place. Keep containers tightly closed. Keep cool. (P403 + P233+P235)
- Keep away from heat/sparks/open flames/hot surfaces-No smoking. (P210)
- Ground/bond container and receiving equipment. Take precautionary measures against static discharge. (P240+P243)
- IF SWALLOWED: Immediately call a POISON CENTER. Get medical advice/attention. (P301 +P310+ P313)
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing ((P304 + PP340)
- If on skin (or hair): Remove/Take-off immediately all contaminated clothing. Rinse skin with water/shower. (P303+ P361+P353)
- Do NOT induce vomiting. (P331)

- Wear protective gloves/protective clothing.** Manufacturer/supplier or the competent authority to specify type of equipment (P280)
- Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools (P241 + P242)
- Dispose of contents/container to approved disposal facility. (P501)
- Avoid breathing dust/fume/gas/mist/vapors/spray (P261)
- In case of fire: Use NFPA Class B extinguishers. If water is used, use fog nozzles. (P370 + P378)

**3. COMPOSITION & PRODUCT INFORMATION ON HAZARDOUS INGREDIENTS:** ACGIH

	WT%	CAS#	TLV-8 HR/TWA
ACETONE	10.68	67-64-1	750 PPM
TOLUENE	51.87	108-88-3	20 PPM
HEXANE	9.61	110-54-3	50 ppm

**4. FIRST AID MEASURES:**

**INHALATION:** REMOVE TO FRESH AIR IF OVERCOME. IF BREATHING HAS STOPPED BEGIN CPR. CALL A PHYSICIAN AT ONCE.

**EYE CONTACT:** FLUSH WITH WATER FOR 15 MINUTES.

**SKIN CONTACT:** WASH WITH HAND CLEANER; FOLLOW WITH SOAP AND WATER.

PERSONAL PROTECTION: ACGIH STEL: 50 PPM

**RESPIRATORY PROTECTION:** VENTILATE TO KEEP VAPORS BELOW THRESHHOLD LIMIT VALUES. NIOSH APPROVED RESPIRATORS FOR AREAS OF CONCENTRATED VAPORS.

**EYES:** SPLASH GOGGLES FOR LIQUID PRODUCTS

**GLOVES:** MUST BE IMPERVIOUS TO SOLVENTS

**INGESTION:** DO NOT INDUCE VOMITING. CALL PHYSICIAN AT ONCE.

**NOTE TO PHYSICIAN:** CONTAINS PETROLEUM DISTILLATES.

**PRIMARY ROUTES OF ENTRY:** INHALATION, SKIN

**5. FIRE FIGHTING MEASURES:**

FLASHPOINT, TAG CLOSED CUP: -4 F

**GENERAL HAZARD:** EXTREMELY FLAMMABLE. MAY FORM COMBUSTIBLE OR EXPLOSIVE MIXTURES WITH AIR. CLOSED CONTAINERS MAY EXPLODE IF EXPOSED TO EXTREME HEAT. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL CONSIDERABLE DISTANCES TO IGNITION SOURCES AND FLASH BACK.

**FIRE FIGHTING INSTRUCTIONS:** WATER SPRAY MAY BE INEFFECTIVE BUT MAY BE USED TO COOL CLOSED CONTAINERS. IF WATER IS USED, USE FOG NOZZLES.

**FIRE FIGHTING EQUIPMENT:** NFPA CLASS B EXTINGUISHERS (CO<sub>2</sub>, FOAM, DRY CHEMICAL) AND SELF-CONTAINED BREATHING APPARATUS

**COMBUSTION PRODUCTS:** SMOKE, NORMAL COMBUSTION PRODUCTS.

**6. ACCIDENTAL RELEASE MEASURES:**

**LAND SPILL:** REMOVE ALL SOURCES OF IGNITION, VENTILATE AREA AND REMOVE MATERIAL WITH ABSORBENTS AND/OR NON-SPARKING TOOLS.

**WATER SPILL:** USE ABSORBENT BOOMS TO DIKE AREA AND MINIMIZE AREA OF CONTAMINATION.

**7. STORAGE AND HANDLING:**

STORAGE TEMPERATURE: AMBIENT

STORAGE PRESSURE: ATMOSPHERIC

**GENERAL:** KEEP MATERIAL AWAY FROM HEAT, SPARK AND OPEN FLAME. DO NOT STORE IN OPEN OR UNLABELED CONTAINERS. USE WITH ADEQUATE VENTILATION. DO NOT STORE ABOVE 120F  
**STATIC ACCUMULATOR:** THIS MAY FORM AN IGNITABLE VAPOR/AIR MIXTURE IN CLOSED TANKS OR CONTAINERS. CONTAINERS SHOULD BE GROUNDED WHEN POURING. AVOID FREE FALL OF LIQUIDS. DO NOT CUT, BRAZE OR WELD. **FOR INDUSTRIAL USE ONLY. KEEP OUT OF THE REACH OF CHILDREN.**  
**READ PRODUCT LABEL AND OBSERVE ALL PRECAUTIONS BEFORE USE.**

**8. EXPOSURE CONTROL/PERSONAL PROTECTION :**

ENGINEERING CONTROLS: LOCAL EXHAUST: PREFERABLE  
MECHANICAL EXHAUST: ACCEPTABLE-USE ONLY  
CLASS I GROUP D APPROVED DEVICES.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

SPECIFIC GRAVITY: .866	FLASH POINT: TAG CLOSED CUP: -4 F
DENSITY: (IN LBS): 7.22	VAPOR PRESSURE AT 20C (MM OF HG): 181
VAPOR DENSITY: 2.0	(VOC) CONTENT: 680.33 g/liter
EVAPORATION RATE (nBuAc=1): 5.6	APPEARANCE: yellow liquid
SOLUBILITY IN WATER: NIL	ODOR: CHARACTERISTIC HYDROCARBON SOLVENT
BOILING RANGE (F): 133	ODOR THRESHOLD: NO DATA
PHYSICAL STATE: Liquid	PH: NOT APPLICABLE
% VOLATILE BY VOLUME:	MELTING POINT/FREEZING POINT: -138 F
AUTOIGNITION TEMPERATURE: 869F	PARTITION COEFFICIENT: n-octanol/water= NO DATA
DECOMPOSITION TEMPERATURE: NOT AVAILABLE	
EXPLOSIVE/FLAMMABLE LIMITS: (LEL): 2.5 (UEL): 12.8	

**10. STABILITY AND REACTIVITY:**

GENERAL: THIS PRODUCT IS STABLE AND HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: AVOID STRONG OXIDIZING AGENTS.  
AVOID ALL SOURCES OF IGNITION. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL A  
CONSIDERABLE DISTANCE TO AN IGNITION SOURCE AND FLASHBACK.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

**11. TOXICOLOGICAL INFORMATION:**

NOT IDENTIFIED AS A CARCINOGEN BY NTP, IARC OR OSHA

HEALTH EFFECTS:

LIKELY ROUTES OF EXPOSURE: skin adsorption, inhalation

DELAYED AND IMMEDIATE CHRONIC EFFETS FROM SHORT AND LONG-TERM EXPOSURE:

**Skin:** dry skin, dermatitis, de-fatting of the skin with chapping and cracking.

**Inhalation:** Inebriation, followed by headache and nausea. Dizziness, convulsions and unconsciousness in severe cases.  
Anorexia and nervousness may persist for several months following acute overexposure.

NUMERICAL MEASURES (ACUTE TOXICITY ESTIMATE):

**12. ECOLOGICAL INFORMATION:**

AQUATIC AND/OR TERRESTRIAL EXOTOXICITY: UNKNOWN

PERSISTENCE AND DEGRADABILITY: UNKNOWN

BIOACCUMULATIVE POTENTIAL: UNKNOWN

**13. DISPOSAL CONSIDERATIONS:**

THIS MATERIAL IS CONSIDERED A HAZARDOUS WASTE FOR DISPOSAL PURPOSES. SEE 40 CFR PART 261.7  
FOR FURTHER INFORMATION CONCERNING THE DISPOSITION OF EMPTY CONTAINERS. HAZARDOUS  
WASTES MAY NOT BE LANDFILLED! REFER TO 40 CFR PART 261 SUBPART C FOR DEFINITIONS OF  
HAZARDOUS WASTE.

**14. TRANSPORTATION INFORMATION:**



U.S. Department of Transportation (DOT)

Shipping Description: UN1133, Adhesives, 3, PGII  
Non-Bulk Package marking: Adhesives, UN1133  
Non-bulk package labeling: Flammable liquid  
Packaging references: 49 CFR 172.101 adhesives containing a flammable liquid  
Exceptions: 49 CFR 173.150  
Hazardous Substance: See section for RQ's if applicable  
Emergency Response Guide: 128

International Maritime Dangerous Goods (IMDG)

Shipping Description: UN1133, Adhesives, 3, PGII  
Non-bulk Package marking: Adhesives, UN1133  
Labels: Flammable liquid  
Packaging-Non-Bulk: P001 UN MODEL RULES 49 CFR 172.101 adhesives containing a flammable liquid  
Exceptions: PP1 UN MODEL RULES  
EMS:  
Marine pollutant:

International Civil Aviation Org./ International Air Transport Assoc. (ICAO/IATA)

UN/ID #: UN1133  
Proper Shipping Name: Adhesives  
Hazard Class/Division: 3  
Subsidiary risk:  
Packing Group: II  
Non-Bulk Package marking: Adhesives, UN1133  
Labels: Flammable liquid  
Exceptions:  
ERG Code: 128

**15. REGULATORY INFORMATION:**

OSHA STATUS: HAZARDOUS

CERCLA REPORTABLE QUANTITY: NONE

SARA TITLE III:

SECTION 302: EXTREMELY HAZARDOUS SUBSTANCES: NONE

SECTION 311/312: 311-YES 312-YES

SECTION 313: Contains 61.480 % toluene/hexane which is a reportable Section 313 chemical

RCRA STATUS: IF DISCARDED IN ITS PURCHASED FORM, THIS PRODUCT IS A RCRA HAZARDOUS WASTE. IT IS THE RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE AT THE TIME OF DISPOSAL, WHETHER A MATERIAL CONTAINING THE PRODUCT OR RESIDUE OF THE PRODUCT REMAINS CLASSIFIED A HAZARDOUS WASTE AS PER 40 CFR 261, SUBPART C. STATE OR LOCAL REGULATIONS MAY ALSO APPLY IF THEY DIFFER FROM THE FEDERAL REGULATION.

TSCA Status: All materials contained in this product are TSCA listed.

Canadian Status: All materials contained in this product are listed on the Canadian Domestic Substances List

European Union Status: All materials contained in this product are listed on EINECS

**16. OTHER INFORMATION:**

APPROVAL DATE: 01-05-2015

SUPERSEDES DATE:

REASON FOR REVISION: NEW SDS FORMAT

MSDS FORMAT: ACETONE TEMPLATE

THE INFORMATION HEREIN IS PRESENTED IN GOOD FAITH AND BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. INFORMATION IS BASED UPON SUPPLIER-ISSUED SAFETY DATA SHEETS AND MAY BE SUBJECT TO ERROR. IF APPRISED OF CHANGES, UPDATED SDS WILL BE PROMPTLY ISSUED. USERS MUST MAKE THEIR DETERMINATION REGARDING THE SUITABILITY OF THE PRODUCT FOR THEIR OWN PURPOSES PRIOR TO USE.

**READ PRODUCT LABEL CAREFULLY BEFORE USE AND FOLLOW ALL PRECAUTIONS.**

END OF SDS