

MATERIAL SAFETY DATA SHEET

BONDLINE ADHESIVES, INC. MATERIAL SAFETY DATA SHEET
500 N. WOODS AVENUE PAGE 1
EVANSVILLE, IN 47712 812-423-4651 PRODUCT: S4060C
FAX 812-422-2662

=====

1. CHEMICAL PRODUCT & MANUFACTURER
PRODUCT NAME: S4060C TAPE PRIMER [A83 87006]
CHEMICAL FAMILY: HYDROCARBON

MANUFACTURER/DISTRIBUTOR: TELEPHONE:
SAME AS ABOVE SAME AS ABOVE
24 HOUR EMERGENCY: PERS 800-633-8253

2. COMPOSITION & PRODUCT INFORMATION ON HAZARDOUS INGREDIENTS ACGIH

	WT%	CAS#	TLV-8 HR/TWA
TOLUENE(SECTION 313 REPORTABLE)	14.22	108-88-3	100 PPM
HEXANE (SECTION 313 REPORTABLE)	3.95	110-54-003	50 PPM
XYLENE (SECTION 313 REPORTABLE)	76.57	1330-20-7	100 PPM
DIPHENYLMETHANE DIISOCYANATE	0.225	026447-40-5	
POLYMETHYLENE POLYPHENOL ISOCYANATE	0.225	009016-87-9	

3. HAZARDS IDENTIFICATION

HMS CODE: HEALTH 4 FLAMMABILITY 3 REACTIVITY 0
NFPA CODE: HEALTH 3 FLAMMABILITY 3 REACTIVITY 0

POTENTIAL HEALTH EFFECTS

EYE CONTACT: MAY BURN AND IRRITATE EYES AND MUCUS MEMBRANES.

SKIN CONTACT: MAY CAUSE DERMATITIS AND DEFATTING OF THE SKIN. PROLONGED CONTACT WITH ISOCYANATE CAN CAUSE REDDENING, SWELLING, RASH, SCALING OR BLISTERING.

SKIN ABSORPTION: DERMATITIS AND DEFATTING OF THE SKIN. SKIN ABSORPTION IS UNLIKELY DUE TO THE VOLATILITY OF THE PRODUCT IF USED AS ADVISED. ISOCYANATE CAN BE A DERMAL SENSITIZER.

INGESTION: HARMFUL OR FATAL IF SWALLOWED.

INHALATION: MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. INEBRIATION, FOLLOWED BY HEADACHE AND NAUSEA. IN SEVERE CASES DIZZINESS, CONVULSIONS AND UNCONSCIOUSNESS. ANOREXIA AND NERVOUSNESS MAY PERSIST FOR SEVERAL MONTHS FOLLOWING ACUTE OVEREXPOSURE.

CARCINOGEN: NO

TARGET ORGANS: KIDNEY, LIVER

4. FIRST AID MEASURES

INHALATION: REMOVE TO FRESH AIR IF OVERCOME. IF BREATHING HAS STOPPED BEGIN CPR. CALL A PHYSICIAN AT ONCE. CONTAINS ISOCYANATE WHICH IS A PLUMONARY SENSITIZER.

EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES.

PAGE: 2

PRODUCT: S4060C

=====

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

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

NOTE TO PHYSICIAN: CONTAINS PETROLEUM DISTILLATES. CONTAINS ISOCYANATE WHICH MAY CAUSE PULMONARY SENSITIZATION IN SOME INDIVIDUALS AT LEVELS LOWER THAN THE PEL. SENSITIZED INDIVIDUALS SHOULD AVOID EXPOSURE TO ANY ISOCYANATE.

PRIMARY ROUTES OF ENTRY: INHALATION, SKIN

5. FIRE FIGHTING MEASURES FLASHPOINT, TAG CLOSED CUP: -20 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 (CO2, 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. IF SPILL IN EXCESS OF EPA REPOTABLE QUANTITY ENTERS THE ENVIRONMENT CALL NATIONAL RESPONSE CENTER 800-424-8802 IMMEDIATELY.

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. 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. ISOCYANATE REACTS WITH WATER TO FORM CARBON DIOXIDE GAS WHICH MAY RUPTURE SEALED CONTAINERS.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

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

PERSONAL PROTECTION: OSHA PEL: 50 PPM
RESPIRATORY PROTECTION: VENTILATE TO KEEP VAPORS BELOW TLV.
USE NIOSH APPROVED RESPIRATOR FOR AREAS OF CONCENTRATED VAPOR
EYES: SPLASH GOGGLES FOR LIQUID PRODUCTS
GLOVES: MUST BE IMPERVIOUS TO SOLVENTS

9. PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY: .865
DENSITY:(IN LBS): 7.21
VAPOR DENSITY: 3.0
EVAPORATION RATE (nBuAc=1): 8.1
SOLUBILITY IN WATER: NEGLIGIBLE, BUT WATER WILL LIBERATE CO₂ ; BUILD PRESSURE
BOILING RANGE (F): 150/232
PHYSICAL STATE: LIQUID
% VOLATILE BY VOLUME: 95.5
EXPLOSIVE/FLAMMABLE LIMITS: (LEL): 1 (UEL): 8
FLASHPOINT : TAG CLOSED CUP: -20 F
VAPOR PRESSURE AT 20C (MM OF HG): 140

VOLATILE ORGANIC COMPOUNDS (VOC) CONTENT: 819.8 g/liter

APPEARANCE AND ODOR: CLEAR SYRUP WITH MILD SOLVENT ODOR.

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

12. ECOLOGICAL INFORMATION

NONE KNOWN

13. DISPOSAL CONSIDERATIONS

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

=====

14. TRANSPORTATION INFORMATION

DOT SHIPPING NAME: ADHESIVE
DOT HAZARD CLASS: 3
UN ID NUMBER: UN1133
APPLICABLE PACKING GROUP NUMBER: II

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: YES

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.

16. OTHER INFORMATION:

APPROVAL DATE: 06-10-98 REVISION DATE: 11-01-12
MSDS FORMAT: S4060C MIXED HEXANE ANSI MSDS

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

READ PRODUCT LABEL CAREFULLY BEFORE USE AND FOLLOW ALL PRECAUTIONS.