

FIRESTONE
MATERIAL SAFETY
DATA SHEET

DEEMED HAZARDOUS ACCORDING TO
OSHA HAZARD COMMUNICATION
RULE 29 CFR 1910.1200

FIRESTONE CODE: NE
DATE ENTERED : 11/19/85
DATE REVISED : 03/15/91
CLASSIFICATION: CE30

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME: SPLICE ADHESIVE SA-1065
CHEMICAL NAME/SYNONYMS: N.A.V.

CHEMICAL FAMILY: MIXTURE

CHEMICAL FORMULA: N.A.V.
24-HOUR EMERGENCY PHONE NO: (216) 379-6409
CHEMTREC PHONE NO: (800) 424-9300

MANUFACTURER'S NAME: FIRESTONE BUILDING PRODUCTS CO.
MANUFACTURER'S ADDRESS: 525 CONGRESSIONAL BLVD.
CARMEL, IND. 46032

NFPA ACUTE HAZARD RATING: N.A.V.
HEALTH: FLAMMABILITY: REACTIVITY:

SECTION 2 CHEMICAL COMPOSITION

SEE SECTION 12 FOR LD50 AND LC50 DATA

INGREDIENT (CHEMICAL NAME)	CAS NO.	%	PEL	TLV
*XYLENE	1330-20-7	6	100 PPM	100 PPM
*TOLUENE	108-88-3	50	100 PPM	100 PPM
*N-HEXANE	110-54-3	14	50 PPM	50 PPM
*BENZENE	71-43-2	<0.1	1 PPM	10 PPM
HEXAMETHYLENE DIISOCYANATE HOMOPOLYMER	29182-81-2	N.A.V.	N.A.V.	N.A.V.

SECTION 3 EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT:

- HOLD EYELIDS OPEN AND FLUSH IMMEDIATELY WITH GENTLE STREAM OF WATER FOR AT LEAST 15 MINUTES, PREFERABLY AT EYEWASH FOUNTAIN.
- GET MEDICAL ATTENTION.

SKIN CONTACT:

- CLEAN WITH RUBBING ALCOHOL FIRST, FOLLOWED IMMEDIATELY BY WASHING AFFECTED AREA WITH SOAP AND WATER.

INHALATION:

- REMOVE TO FRESH UNCONTAMINATED AIR.
- ADMINISTER OXYGEN IF BREATHING IS LABORED. GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED.
- GET MEDICAL ATTENTION IMMEDIATELY IF OXYGEN OR ARTIFICIAL RESPIRATION ARE ADMINISTERED.

INGESTION:

- CONTAINS PETROLEUM DISTILLATES. IN CASE OF ACCIDENTAL INGESTION, DO NOT INDUCE VOMITING.
- GET MEDICAL ATTENTION AND ADVISE THE PHYSICIAN OF THE NATURE OF THE MATERIAL.

SPECIAL INSTRUCTIONS FOR PHYSICIAN:
N.A.V.

SECTION 4

PHYSIOLOGICAL EFFECTS

PRIMARY ROUTE(S) OF ENTRY INTO BODY: SKIN ABSORPTION, INHALATION

ACUTE EFFECTS:

EYES:

-MAY CAUSE MODERATE EYE IRRITATION.

SKIN:

-PROLONGED OR REPEATED CONTACT MAY CAUSE DERMATITIS.
-ABSORPTION THROUGH INTACT SKIN MAY CONTRIBUTE TO OVERALL EXPOSURE.
-MAY CAUSE DRYING OF THE SKIN.

INHALATION:

-MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION (NARCOSIS) CHARACTERIZED BY HEADACHE, DIZZINESS, MUSCULAR WEAKNESS AND FATIGUE.
-MAY CAUSE UNCONSCIOUSNESS IF EXPOSURE IS EXCESSIVE.

INGESTION:

-CAUSES CHEMICAL PNEUMONITIS IF ASPIRATED INTO THE LUNGS.
-MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION (NARCOSIS) CHARACTERIZED BY HEADACHE, DIZZINESS, MUSCULAR WEAKNESS AND FATIGUE.

CHRONIC EFFECTS IN HUMANS:

-MAY CAUSE KIDNEY DAMAGE.
-MAY CAUSE SPLEEN DAMAGE.
-MAY CAUSE IMPAIRMENT OF THE FUNCTION OF THE REPRODUCTIVE SYSTEM.

CHRONIC EFFECTS IN ANIMALS:

-MAY CAUSE KIDNEY DAMAGE.
-MAY CAUSE SPLEEN DAMAGE.

SECTION 5

OCCUPATIONAL CONTROL PROCEDURES

VENTILATION:

-USE IN A WELL-VENTILATED LOCATION.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATOR TYPE:

-USE NIOSH-APPROVED RESPIRATOR FOR PROTECTION AGAINST ORGANIC VAPORS, DUSTS AND MISTS IF EXPOSURE MIGHT EXCEED THE TLV.

GLOVES:

-WEAR NITRILE GLOVES FOR DIRECT HANDLING.

EYE PROTECTION:

-NONE REQUIRED.

OTHER:

-NONE REQUIRED.

SECTION 6

PHYSICAL DATA

APPEARANCE/ODOR:

-BLACK VISCOUS WITH AROMATIC ODOR

PHYSICAL STATE:

-LIQUID

BOILING POINT: 151 DEG. F
MELTING/FREEZING POINT: N.A.V. DEG.
SPECIFIC GRAVITY(WATER=1): 0.876
PH(FULL STRENGTH): N.A.V
PH(RECOMMENDED DILUTION): N.A.V

SOLUBILITY IN WATER: NIL
VAPOR PRESSURE: 125 MM HG AT 20 DEG. C
VAPOR DENSITY(AIR=1): 3.7
EVAPORATION RATE :(BUTYL ACETATE = 1)8.1
PERCENT VOLATILES: 70

SECTION 7 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 0 DEG. F

METHOD USED:

-NOT AVAILABLE

FLAMMABLE(EXPLOSIVE) LIMITS IN AIR: LEL: 1.2 UEL: 7.0

AUTOIGNITION TEMPERATURE: N.AV DEG.

SUITABLE EXTINGUISHING MEDIA:

-WATER SPRAY, FOAM, CARBON DIOXIDE

HAZARDOUS COMBUSTION PRODUCTS:

-CARBON DIOXIDE AND CARBON MONOXIDE

-OXIDES OF NITROGEN

-HYDROGEN CYANIDE

RECOMMENDED FIREFIGHTING PROCEDURE:

-WEAR IMPERMEABLE PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.

TOXIC FUMES AND VAPORS MAY BE EVOLVED.

UNUSUAL FIRE & EXPLOSION HAZARD:

-HEAT BUILDS UP PRESSURE IN CLOSED CONTAINERS. COOL WITH WATER STREAM.

SECTION 8 REACTIVITY DATA

THERMAL STABILITY: STABLE

CONDITIONS TO AVOID:

-HEAT, SPARKS, AND OPEN FLAMES.

HAZARDOUS DECOMPOSITION PRODUCTS:

-NONE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID:

-N.AV.

INCOMPATIBILITY:

MATERIALS TO AVOID:

-ALKALIES

-STRONG BASIC AMINES

-WATER

-ALCOHOLS

CORROSIVE ACTION ON MATERIALS:

-N.AV.

SECTION 9 STORAGE AND HANDLING PRECAUTIONS

STORAGE:

-KEEP CONTAINERS CLOSED.

-STORE IN A COOL, DRY AREA.

-STORE BELOW 120 DEGREES FAHRENHEIT.

HANDLING:

-VAPORS OF THIS MATERIAL ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW OR CONFINED AREAS.

PRECAUTIONARY LABELING:

DANGER! FLAMMABLE.

INHALATION OF VAPORS MAY CAUSE HEADACHES AND DIZZINESS.

SECTION 10 ENVIRONMENTAL INFORMATION

SPILL OR LEAK PROCEDURES:

REMOVE IGNITION SOURCES. ABSORB ON INERT MATERIAL. USE NON-SPARKING TOOLS. PLACE IN SECURE CONTAINERS FOR DISPOSAL. SAME AS ABOVE. USE PERSONAL PROTECTIVE EQUIPMENT AS OUTLINED IN SECTION 5 FOR ALL SPILLS/LEAKS. SPILL REPORTABLE QUANTITY: N.AV. LBS. (N.AV.)

WASTE DISPOSAL METHOD(INCLUDING CLEAN-UP MEDIA) DISPOSE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING FLAMMABLES AND OXIDIZING AGENTS.

EPA OR APPROPRIATE WASTE CLASSIFICATION: RCRA OR APPROPRIATE CHARACTERISTIC WASTE. EPA HAZARDOUS WASTE NO. D 001

PROCEDURE FOR HANDLING EMPTY CONTAINERS: N.AV.

ENVIRONMENTAL TOXICITY DATA: N.AV.

OTHER REGULATORY CONTROLS: N.AV. MATERIAL CLASSIFIED UNDER THE CLEAN WATER ACT(USA) OR APPROPRIATE WATER REGULATIONS AS A: N.AV.

TOXIC POLLUTANT(SECTION 307)? YES NO
HAZARDOUS SUBSTANCE(SECTION 311)?

OIL(SECTION 311)? YES NO
HAZARDOUS CLASS (SECTION 311):

X ACUTE X CHRONIC X FIRE X PRESSURE REACTIVE

MATERIAL CLASSIFIED UNDER THE CLEAN AIR ACT(USA) OR APPROPRIATE CLEAN AIR REGULATIONS AS A: N.AV. HAZARDOUS AIR POLLUTANT(SECTION 12)? YES NO

COMMENTS:

HAZARDOUS WASTE ACCORDING TO 40 CFR 261.21
SARA TITLE III SECTION 313 REPORTABLE CHEMICALS: TOLUENE AND XYLENE
MATERIAL STATUS UNDER CLEAN AIR AND WATER ACTS: N.AV.

SECTION 11 TRANSPORTATION/SHIPPING

INDICATE COUNTRY/REGULATORY AGENCY WHICH SPECIFIES REQUIREMENTS:
-USA-DOT-IMO

PROPER SHIPPING NAME:
ADHESIVE

HAZARD CLASS:
-FLAMMABLE LIQUID
IDENTIFICATION NO.: UN1133

LABELS REQUIRED:
-FLAMMABLE LIQUID

OTHER REQUIREMENTS:
REFERENCE CFR 49, PRINCIPLE INGRED: ADHESIVE,
IMDG CLASS 3.2, PG. 5174, UN1133, FLASHPOINT -18 C

SECTION 12 ADDITIONAL DATA/COMMENTS

TOLUENE LD50 ORAL(RAT)= 5 G/KG, LC50 INH(RAT) =8000 PPM/4HR
XYLENE LD50 ORAL(RAT)= 4.3 G/KG, LC50 INH(RAT) =5000 PPM/4HR
HDI LD50 ORAL(RAT) = 10 G/KG, LC50 INH(RAT) =137-1150 MG/M3
ALL OTHERS LD50 AND LC50 N.AV.

TOLUENE HAS BEEN CLASSIFIED AS A REPRODUCTIVE TOXIN AS PER CALIFORNIA
PROPOSITION 65 (CAL. HEALTH AND SAFETY CODE SECTION 25249.5, 1/1/91.)

SECTION 13 MISCELLANEOUS INFORMATION

INFORMATION SUPPLIED BY: ROBERT D. HOFER, CIH
TITLE: SR. INDUSTRIAL HYGIENIST
TELEPHONE NUMBER FOR ROUTINE INQUIRIES: (216) 379-7394

DATE OF PREPARATION OF MSDS: 03/15/91
REVISED, SUPERSEDES 09/28/90
COMPANY NAME: BRIDGESTONE/FIRESTONE, INC.
ADDRESS: 1200 FIRESTONE PARKWAY, AKRON, OH 44317
TELEPHONE NUMBER: (216) 379-7000

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