

# MATERIAL SAFETY DATA SHEET

## 520 ADHESIVE

**PRODUCT NAME:**

**HAZMIN Number:** 907

**REMA Number:** 39466

### Company Data

**Current Company:** ARMSTRONG WORLD INDUSTRIES, INC.  
P.O. BOX 3209  
LANCASTER, PA 17604

**Emergency Phone:** 800-255-3924

**Information Phone:** 717-396-2328

**Manufacturer/Supplier:** ARMSTRONG WORLD INDUSTRIES, INC.  
P.O. BOX 3001  
LANCASTER, PA 17604

**Emergency Phone:** 800-255-3924

**Information Phone:** 717-396-2328

### Product Data

**Stock ID 1:** 520 ADHESIVE #907-F14LB

**Prepared:** 6/1/2000

**Revised:** 6/1/2000

**Printed:** 5/15/2004

## Component Data

**Component:** ACETONE

**Cas No:** 67641

**Percent:** = 25

**OSHA TWA (ppm):** 750

**OSHA STEL (ppm):** 1000

**ACGIH TWA (ppm):** 500

**ACGIH STEL (ppm):** 750

**Component:** TOLUENE

**Cas No:** 108883

**Percent:** = 16

**OSHA TWA (ppm):** 100

**OSHA STEL (ppm):** 150

**ACGIH TWA (ppm):** 50

**Limit Note:** TLV: skin

**Component:** HEXANE

**Cas No:** 110543

**Percent:** = 34

**OSHA TWA (ppm):** 50

**ACGIH TWA (ppm):** 50

**Limit Note:** TLV: skin

**Component:** SYNTHETIC RUBBER

**Note:** CAS#: not applicable/not available

**Percent:** = 13

**Limit Note:** PEL & TLV: none known or not known

**Component:** PHENOLIC RESIN

**Cas No:** 25085501

**Percent:** = 9

**Limit Note:** PEL & TLV: none known or not known

**Component:** RUBBER CURING INGREDIENTS

**Cas No:** 1309484

**Percent:** = 3

**Limit Note:** PEL & TLV: none known or not known

## Physical and Chemical Data

**Boiling Point:** > 152°F

**Specific Gravity:** = .83

**Vapor Density:** **NOTE:** none known/not known

**Evaporation Rate:** **NOTE:** none known/not known

**pH:** **NOTE:** not applicable/not available

**% Volatile:** = 75 by Wt. **NOTE:** 30 min. @ 275°F

**Vapor Pressure:** = 180 @ 20°C **NOTE:** mm Hg

**VOC Content:** = 618 grams/liter **NOTE:** calculated @ 70°F/21°C, SCAQMD

**Solubility in Water:** Negligible

**Appearance/Odor:** Straw colored liquid with characteristic solvent odor.

**Physical State:** Liquid

**Hazard Rating A:** HMIS Internal Rating: CHRONIC Health = 2 Flammability = 4 Reactivity = 0

**Personal Protective Equipment:** SEE MSDS

**Target Organs** According to MSDS

**Target Organ 1:** EYES

**Target Organ 2:** SKIN

**Target Organ 3:** URS

## Fire and DOT Data

**Flash Point Closed:** = -4°F **NOTE:** based on Acetone

**LEL/LFL:** = 1.1 **NOTE:** based on Hexane and Acetone

**UEL/UFL:** = 13.0 **NOTE:** based on Hexane and Acetone

**UN Number:** 1133

**DOT Class:** 3 (Flammable Liquid)

**Packing Group:** II

**RQ (lbs):** 6250

**Proper Shipping Name:** Adhesive containing a flammable liquid (Hexane + Acetone)

## I. PRODUCT IDENTIFICATION

NAME: Armstrong 520 Adhesive

DESCRIPTION: Solvent-dispersed synthetic rubber resin adhesive

PREPARED: 6/00

REPLACES: 10/97

EMERGENCY "ONLY" CONTACT: CHEM-TEL 800-255-3924

MANUFACTURER'S NAME AND ADDRESS:

ARMSTRONG WORLD INDUSTRIES, INC.

P.O. BOX 3001

LANCASTER, PA 17604

(717) 396-2328 OR (717) 396-2935

## II. DEPARTMENT OF TRANSPORTATION INFORMATION

SHIPPING NAME: Adhesive containing a flammable liquid (Hexane & Acetone)

HAZARD CLASS: 3 (Flammable Liquid)

ID #: UN 1133

PG: II (Armstrong 520 Adhesive)

REPORTABLE QUANTITY (RQ): 6250 lb.

EMERGENCY "ONLY" CONTACT: CHEM-TEL 800-255-3924

### **III. HMIS (0 = MINIMAL HAZARD; 4 = SEVERE HAZARD)**

HEALTH = 2

FLAMMABILITY = 3

REACTIVITY = 0

### **IV. PRODUCT CONTENT**

This product contains chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. All components are on TSCA inventory.

This product does NOT contain asbestos or polychlorinated biphenyls.

### **V. HAZARDOUS INGREDIENTS**

SEE COMPONENT PAGE(S) FOR ADDITIONAL INFORMATION.

## VI. PHYSICAL DATA

SEE DATA PAGE(S) FOR ADDITIONAL INFORMATION.

## VII. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: -4 degrees F Acetone (closed cup).

FLAMMABLE RANGE: (Based on Hexane and Acetone)

LEL = 1.1  
UEL = 13.0

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, alcohol-type foam.

SPECIAL FIRE FIGHTING PROCEDURES: Protect fire fighters from toxic products of combustion by wearing self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers in a fire may rupture due to pressure build-up; use water to cool containers to prevent this.

## VIII. HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF ENTRY: Inhalation, and direct dermal exposure.

TARGET ORGANS: Upper respiratory tract, skin, and eyes.

EFFECTS OF OVEREXPOSURE:

SKIN AND EYES: Excessive skin contact may cause drying and cracking of skin, defatting of tissue, and result in dermatitis.

Contact with eyes will cause irritation.

INHALATION: May cause irritation of respiratory tract, coughing, and CNS effects such as headache, dizziness, drowsiness, nausea.

CARCINOGENICITY:

NTP: No.

IARC MONOGRAPHS: No.

OSHA REGULATED: No.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Any condition generally aggravated by solvents; preexisting upper respiratory and lung disease such as, but not limited to bronchitis, emphysema, and asthma.

FIRST AID PROCEDURES:

SKIN AND EYES: Flush any skin or eye contact with plenty of water. Additionally with skin contact, wash skin thoroughly with soap and water. Refer to physician if irritation or symptoms persist.

INHALATION: Remove to fresh air if exposed to excess concentrations of vapor. Seek medical attention if symptoms persist.

INGESTION: Do not induce vomiting. Call Poison Control Center or physician for guidance.

## IX. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, and other toxic vapors and gases that are common to thermal degradation of organic compounds.

HAZARDOUS POLYMERIZATION: Will not occur.

## **X. SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. Ventilate area of spill or leak; if using mechanical ventilation, make sure that it is explosion-proof or does not present an ignition source. For exposures above TLV, wear approved respiratory equipment. Contain spill and prevent it from entering sewer lines of waterways. Use absorbent to assist with the pick-up of material. Scrape up adhesive and place in container.

WASTE DISPOSAL METHOD: Dispose of container and any unused contents in accordance with Federal, State and Local Waste Disposal Regulations. Do not flush unused contents or residue down drains. Do not reuse container.

## **XI. SPECIAL HANDLING AND USE INFORMATION**



VENTILATION: Extremely flammable vapors may ignite explosively or cause flash fire. Use natural cross-ventilation, local (mechanical) pick-up, and/or general area (mechanical) ventilation to prevent an accumulation of solvent vapors, keeping in mind that the ventilation pattern must remove the heavier-than-air solvent vapors from the lower levels of the work spaces. The ventilation should be sufficient to keep the solvent vapor concentration below the TLV.

RESPIRATORY PROTECTION: With adequate ventilation, respiratory equipment should not be needed. If adequate ventilation is not afforded, wear respiratory equipment approved for organic vapors.

SKIN AND EYE PROTECTION: During the manufacture and packaging of this product, impervious gloves, eye protection, and eye wash facilities may be appropriate. During normal end-product use, cotton or loop-pile gloves and spectical-type safety glasses are recommended to prevent contact with this mastic product.

## XII. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in an area suitable for flammable mixtures.

Recommended storage temperature is below 90°F.

OTHER PRECAUTIONS: Vapors are flammable and are heavier-than-air. Prohibit smoking and eliminate all other sources of ignition, such as regular electrical tools and appliances, making sure that pilots on gas-fired water heaters are extinguished.

WARNING: This product contains toluene, a chemical known to the state of California to cause birth defects or other reproductive harm.

WORK SITE ENVIRONMENT: Initially there may be a potential adverse impact on indoor air quality within the general work area during the installation process. Therefore you should advise the building manager or other appropriate person that: \*It will be necessary to establish and maintain adequate ventilation of the work area, without causing the entry of contaminants to other

parts of building and \*Persons who are sensitive to odors and/or chemicals should be advised to avoid the work area during this process.

The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes determination regarding the adequacy of the safety procedures employed during the use of this product.

N/A: Not applicable or not available

N/K: None known or not known

**HAZMIN Version: 3 / Last Edited on 5/26/2004**

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