

**1. Identification of the substance/mixture and of the company/undertaking**

**Product identifier**

Product name: S+Plus. 5 in 1 / 1K Plastic Adhesion Primer

Product codes : **HB6827, HB6964, HB6964D** (SDS NO): Eb46\_2017

**· Details of the supplier of the safety data sheet**

MANUFACTURED FOR:

**BHG Import Exports Inc.**  
715 N Central Ave. Suite 213  
Glendale CA 91203 United States

· Information department: Product safety department  
· Emergency telephone number:  
**24 Hrs Emergency Contact:**  
CHEMTREC **628320**  
FOR USA AND CANADA: **1-800 424- 9300**  
OUTSIDE USA AND CANADA: **+1 703 -527- 3887**

**2. Hazards identification**

GHS classification and label elements of the product

Classification of the substance or mixture

HEALTH HAZARDS

Skin corrosion/irritation: Category 2

Reproductive toxicity: Category 2

Specific target organ toxicity - single exposure: Narcosis Category 3

Specific target organ toxicity - repeated exposure: Category 2

Label elements



Signal word: Warning

HAZARD STATEMENT

H315 Causes skin irritation

H361 Suspected of damaging fertility or the unborn child

H336 May cause drowsiness or dizziness

H373 May cause damage to organs through prolonged or repeated exposure

PRECAUTIONARY STATEMENT

Prevention

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P271 Use only outdoors or in a well-ventilated area.

P264 Wash contaminated parts thoroughly after handling.

P280 Wear protective gloves.

P280 Use personal protective equipment as required.

Response

P314 Get medical advice/attention if you feel unwell.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage

P403 Store in a well-ventilated place. P233 Keep container tightly closed.

Disposal

P501 Dispose of contents/container in accordance with local/national regulation.

### 3. Composition/information on ingredients

Mixture/Substance selection:

Mixture

<b>COMPONENT</b>	<b>CAS-NO.</b>	<b>CONCENTRATION (Wt. %)</b>
Toluene	108-88-3	20-30
Methyl Ethyl Ketone	78-93-3	10-15
Ethyl Benzene	100-41-4	1-10
Xylene	1330-20-7	1-10
Methanol	67-56-1	1-5
Isopropyl Alcohol	67-63-0	1-5
Methyl Isobutyl Ketone	108-10-1	1-5
Titanium Oxide	13463-67-7	1-5

### 4. First-aid measures

Descriptions of first-aid measures

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

IF ON SKIN ( or hair)

Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF SWALLOWED

Rinse mouth.

Call a POISON CENTER or doctor/physician if you feel unwell.

Protective measures for first aid

Protect yourself by wearing rubber gloves and air-tight safety goggles.

Indication of any immediate medical attention and special treatment needed

Specific treatment is required.

### 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities.

Specific hazards arising from the substance or mixture

Will form toxic carbon oxides upon combustion.

Advice for firefighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

In case of fire: Evacuate area.

In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Special protective equipment and precautions for fire-fighters

Wear fire/flame resistant/retardant clothing.

Wear protective gloves/protective clothing/eye protection/face protection.

## 6. Accidental release measures

Evacuate area.

Keep unauthorized personnel away.

In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.

Ventilate area after material pick up is complete.

Wear an air-supplied respirator for a poor/non ventilated spill.

Wear proper protective equipment.

Eliminate all sources of ignition and ventilate the area.

PUBLIC SAFETY: Ventilate closed spaces before entering.

Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

Do not wash away into shower or waterway.

Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Large Spill:

Stop leaking if without risk. Eliminate all sources of ignition. Contain with an inert material recover as much as possible and place the remainder in an appropriate waste disposal container. Warn unauthorized personnel to evacuate. Prevent entry into drains and sewers or confined areas.

If the product enters drains and sewers contact the local water company immediately. In case of contamination of streams, rivers or lakes, contact local,

Personnel precautions, protective equipment and emergency procedures

Preventive measures for secondary accident

Prepare extinguishers before catching fire.

Consult an expert on the disposal of recovered material.

Stop leak if safe to do so.

Stop leak if you can do it without risk.

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Prevent entry into waterways, sewers, basements or confined areas.

## 7. Handling and storage

PRECAUTIONS: Use only in well ventilated areas. Avoid inhalation and contact with eyes, skin and clothing. Wear appropriate personal protective equipment. Ground and bond all containers when transferring the material. Empty containers may retain product and product vapor. DO NOT expose to heat, open flame, sparks, direct sunlight or other ignition sources such as cutting, welding, drilling, grinding or static electricity.

DO NOT pressurize. Provide adequate safety showers and eyewashes in the area of use.

**Keep out of reach of children.**

STORAGE: Keep away from heat. Keep away from sources of ignition. Keep container tightly closed.

Keep in a cool, well-ventilated place. Ground all equipment containing material.

Smoking, eating and drinking should be prohibited in areas of storage and use.

Store in a well-ventilated place. Keep container tightly closed.

### **Incompatible storage condition**

Keep away from food, drink and animal feedstuffs.

**Keep out of reach of children.**

## 8. Exposure controls/personal protection

### EXPOSURE LIMITS:

Toluene	PEL TWA: 50(ppm) from OSHA	TLV TWA: 50(ppm) from ACGIH
Xylene	PEL TWA: 100(ppm) from OSHA	TLV TWA: 100(ppm) from ACGIH
Methanol	PEL TWA: 200(ppm) from OSHA	TLV TWA: 200(ppm) from ACGIH
Isopropyl Alcohol	PEL TWA: 400(ppm) from OSHA	TLV TWA: 400(ppm) from ACGIH
Methyl Ethyl Ketone	PEL TWA: 200(ppm) from OSHA	TLV TWA: 200(ppm) from ACGIH
Methyl Isobutyl Ketone	PEL TWA: 50(ppm) from OSHA	TLV TWA: 75(ppm) from ACGIH

**ENGINEERING CONTROLS:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Provide adequate safety showers and eyewashes in the area of use.

**PERSONAL PROTECTION:** Personal Protective Equipment may vary depending on the job being performed.

**EYE/FACE:** Wear eye protection such as safety glasses with side shields, splash goggles or face shield with safety glasses.

**SKIN:** Avoid skin contact. Impervious gloves should be worn. Other items may include long sleeves, lab coats, or impervious jackets.

**RESPIRATORY:** Determine if airborne concentrations are below the recommended exposure limits in accordance your company's PPE program and regulatory requirements. If they are not, select NIOSH-approved respirators are generally adequate protection from the concentration levels encountered. Air-purifying respirators are generally adequate for organic vapors. Use positive pressure, supplied-air respirators if there is potential for an uncontrolled release. If exposure levels are unknown, or under circumstances where air-purifying respirators may not provide adequate protection.

## 9. Physical and Chemical Properties

Information on basic physical and chemical properties

### Physical properties

Appearance: Viscous liquid

Color: According to product specification

Odor: Aromatic odor

### Phase change temperature

Initial Boiling Point/Boiling point: 110°C

Melting point/Freezing point: -94.99

Flash point: (5)

Auto-ignition temperature: 463°C

Explosive properties: Flammability or explosive limit

lower limit: 1.0vol %

upper limit: 7.0vol %

Vapor pressure: 2.9kPa

Relative Vapor Density (Air=1): 3.66  
Specific gravity/Density: 0.88  
Solubility  
Solubility in water: Insoluble  
n-Octanol /water partition coefficient: log Pow3.16

## 10. Stability and Reactivity

Chemical stability

Stable.

Stable under normal storage/handling conditions.

Possibility of hazardous reactions

Vapors may catch fire and explode.

Incompatible materials

Oxidizing agents, Strong oxidizing agents

Hazardous decomposition products

Carbon oxides

## 11. Toxicological Information

Information on toxicological effects

No Acute toxicity data available

No Irritant properties data available

No Allergenic and sensitizing effects data available

No Mutagenic effects data available

Carcinogenicity

(Ethylbenzene)

IARC-Gr.2B : Possibly carcinogenic to humans

(Toluene)

IARC-Gr.3 : Not Classifiable as a Human Carcinogen

(Xylene (Mixture of isomers))

IARC-Gr.3 : Not Classifiable as a Human Carcinogen

(Toluene)

ACGIH-A4(2006) : Not Classifiable as a Human Carcinogen

(Xylene (Mixture of isomers))

ACGIH-A4(1992) : Not Classifiable as a Human Carcinogen

(Ethylbenzene)

ACGIH-A3(2010) : Confirmed Animal Carcinogen with Unknown Relevance to Humans

No Teratogenic effects data available

No reproductive toxicity data available

Delayed and immediate effects and also chronic effects from short- and long-term exposure

STOT

STOT-repeated exposure

[cat.2]

[EU CLP name of STOT]

(Ethylbenzene) hearing organs

No Aspiration hazard data available

## 12. Ecological Information

Toxicity

No Aquatic toxicity data available

Water solubility

(Ethylbenzene)

0.015 g/100 ml (20 C) (ICSC, 2007)  
 (Toluene)  
 none (ICSC, 2002)

Persistence and degradability  
 (Ethylbenzene)  
 Not degrade rapidly (BOD\_Degradation : 0% (MITI official bulletin, 1990))  
 (Xylene (Mixture of isomers))  
 Not degrade rapidly (BOD\_Degradation : 39% (NITE risk primary assessment, 2005))  
 (Toluene)  
 BOD\_Degradation : 123% (Registered chemicals data check & review, Japan)

Bioaccumulative potential  
 (Ethylbenzene)  
 log Kow=3.15 (PHYSPROP Database, 2005)  
 (Toluene)  
 log Kow=2.73 (PHYSPROP Database, 2008)  
 (Xylene (Mixture of isomers))  
 log Pow=3.16 (PHYSPROP Database, 2005)

No Mobility in soil data available  
 Ozone depleting chemical data not available

### 13. Disposal considerations

Waste treatment methods  
 Dispose of contents/container in accordance with local/national regulation.

### 14. Transport Information

**Refer to TDG regulations** (Canadian Transportation of Dangerous Goods regulations);  
**USA DOT** 49 cfr 173.173 b(2) and Consumer Commodity (49 cfr 173.150(c), Regulations.

#### Sizes 5 L and under

**Limited Quantity**



#### Sizes greater than 5 L

**UN number:** UN1263  
**Shipping Name:** PAINT  
**Class:** 3  
**Packing Group:** III  
**ERG Guide NO.:** 128



Transport in bulk according to Annex II of MARPOL73/78 and IBC Code  
 Noxious Liquid ; Cat. Y  
 Ethylbenzene; Xylene (Mixture of isomers); Toluene

Limitations and Exceptions

Quantity Limitations	On passenger aircraft/rail: 5L On cargo aircraft only : 60L
Remarks	ORM-D 49 CFR 173.150,156,306
ADR	
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging : 30ml Maximum net quantity per outer packaging : 500ml
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging : 30ml Maximum net quantity per outer packaging : 500ml

## 15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture  
US major regulations

### TSCA

Closed; Toluene; Ethylbenzene; Xylene (Mixture of isomers)

"WARNING: This product contains a chemical known to the State of California to cause cancer."

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

Other regulatory information

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

## 16. Other information

### GHS classification and labelling

Skin Irrit. 2: H315 Causes skin irritation

Repr. 2: H361 Suspected of damaging fertility or the unborn child

STOT SE 3: H336 May cause drowsiness or dizziness

STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure

### Reference Book

Globally Harmonized System of classification and labelling of chemicals, (5th ed., 2013), UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 19th edit., 2015 UN

Classification, labelling and packaging of substances and mixtures (table3-1 ECNO6182012)

2012 EMERGENCY RESPONSE GUIDEBOOK(US DOT)

2017 TLVs and BEIs. (ACGIH)

<http://monographs.iarc.fr/ENG/Classification/index.php>

Supplier's data/information

### LEGAL DISCLAIMER:

BHG INPORT EXPORTINC. cannot guarantee the accuracy, adequacy or completeness of information in this Safety Data Sheet, because it has been compiled from our experience, knowledge and various publications believed to be reliable. It is the customer 's responsible for ensuring that the product is used, handled, stored, and disposed in accordance with the safety precautions herein and in compliance with applicable national, prefectural, or provincial, and local laws.

BHG INPORT EXPORTINC. Disclaims liability for any loss, damage, or personal injury that arises from, or is in any way related to, use of the information contained in this data sheet.