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SDS SAFETY DATA SHEET

Date of issue: 28/07/2018

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

Product identifier

Product name: S+Plus RTS Aerosol (5 in 1) Primer Adhesion Promoter

Product codes : HB6968

(SDS NO): Eb46_128-2

· 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

Classification of Hazardous Chemical
GHS Categories

Criteria		Category	Signal Word	Pictograms
Aspiration Hazard		1	Danger	Health
Specific Target Organ Toxicity	Repeated Exposure	2	Warning	Health
Carcinogenicity		2	Warning	Health
Reproductive Toxicity		2	Warning	Health
Flammable Aerosol		2	Warning	Flame
Gas Under Pressure		Liquefied Gas	Warning	Gas Cylinder
Eye Irritation		2	Warning	Exclamation
Specific Target Organ Toxicity	Single Exposure	3	Warning	Exclamation
Hazardous to the Aquatic Environment	Acute	3	none	none

Note: The degree of severity is ranked within each hazard class from 1 (Highest Severity) to up to 5 (Lowest Severity), which is opposite to HMIS and NFPA conventions. Severity category rankings do not allow comparisons between classes.

Label Elements

Signal Word DANGER

Pictograms

Hazard Statements

H304: May be fatal if swallowed and enters airways
H373: May cause damage to organs (central nervous system, inner ear, liver, kidney) through prolonged or repeated exposure
H351: Suspected of causing cancer
H361: Suspected of damaging fertility or the unborn child

H223: Flammable aerosol

Continued…

Pictograms	Hazard Statements
	H229: Pressurized container: may burst if heated
	H319: Causes serious eye irritation H336: May cause drowsiness or dizziness
No Symbol Mandated	H402: Harmful to aquatic life

Prevention	Precautionary Statements
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, flames, and other ignition sources. No Smoking.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P280	Wear protective gloves/eye protection/face protection.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P308 + P313 IF	exposed or concerned: Get medical advice/attention.
P301 + P310, P331	IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.
P304 + P340, P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.

Storage	Precautionary Statements
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C [122 °F].
P403	Store in well-ventilated place.
P405	Store locked up.

Disposal	Precautionary Statements
P501	Dispose of contents/container in accordance to local/regional/international regulations.

Hazards Not Otherwise Classified

Other Criteria	Hazard Statements/Precautionary Statement	Signal Word	Pictograms
Simple Asphyxiants	May displace oxygen and cause rapid suffocation.	Warning	None
Defats skin	Repeated exposure may cause skin dryness or cracking.	None	None

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Mixture/Substance selection:

3.2 Mixture

COMPONENT	CAS-NO.	CONCENTRATION (Wt. %)
Acetone	67-64-1	30-50
Isobutane	68-476-86-8	20-30
Toluene	108-88-3	20-30
Methyl Ethyl Ketone	78-93-3	10-15
Xylene	1330-20-7	1-10
Ethyl Benzene	100-41-4	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

Note : The figures shown above are not the specifications of the product.

SECTION 4: FIRST AID MEASURES

Procedures:

If user experiences breathing difficulty, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SKIN CONTACT:
Wash with soap and water. Get medical attention if irritation develops or persists.

EYE CONTACT:
Immediately flush eyes with water for at least 15 minutes. Remove contact lenses if worn. Seek medical attention.

INGESTION:
If swallowed, do NOT induce vomiting. Call a physician, hospital emergency room, or poison control center immediately. Never give anything by mouth to an unconscious person.

Signs and Symptoms Of Exposure

Primary Routes of Exposure: Inhalation, Skin Contact

SECTION 5: FIRE FIGHTING MEASURES

LEVEL 3 AEROSOL

Flash Pt: -136.4300 F Method Used: Setaflash Closed Cup (Rapid Setaflash)

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

Suitable Extinguishing Media: Use carbon dioxide, dry powder, or foam.

Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

Flammable Properties and Hazards: CPSC FLAMMABILITY: Flammable Aerosol

Flashpoint of isobutane -136.43 F (SCC)

Flashpoint of liquid product: 42 F (SCC)

Danger! Flammable! Keep away from heat, sparks, flame, and all other sources of ignition. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and all other sources of ignition during use and until all vapors are gone. Beware of static electricity that may be generated by synthetic clothing and other sources. Vapors can travel to a source of ignition and flash back.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Clean up: Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. Use non-sparking tools.

Use proper bonding and grounding methods for all equipment and processes. Keep out of waterways and bodies of water. Be cautious of vapors collecting in small enclosed spaces, sewers, low lying areas, confined spaces, etc.

Small spills: Take up with sand, earth or other noncombustible absorbent material and place in a container where applicable.

Large spills: Dike far ahead of spill for later disposal.

Waste Disposal: Dispose in accordance with applicable local, state and federal regulations.

SECTION 7: HANDLING AND STORAGE

Precautions To Be Taken in Handling:

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty.

Dispose of empty container according to all regulations. Do not reuse this container.

Do not use this product near any source of heat or open flame, furnace areas, pilot lights, stoves, etc.

Do not use in small enclosed spaces, such as basements and bathrooms. Vapors can accumulate and explode if ignited.

Precautions To Be Taken in Storing:

Do not spread this product over large surface areas because fire and health safety risks will increase dramatically.

Store in a cool dry place. Avoid extreme high or low temperatures.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters

Adopted value

Isobutane {propane/butane}	No data.	
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.

PHYSICAL STATE:	Aerosol
APPEARANCE:	According to product specification
ODOR:	Characteristic Solvent
FLASH POINT:	-19 °C
AUTO IGNITION POINT:	350 ˚C
UPPER EXPLOSION LIMIT:	27%
LOWER EXPLOSION LIMIT:	3.4%
LOG POW:	3.2
SPECIFIC GRAVITY:	0.88 (Water=1) as undiluted solution
MELTING POINT	-141.5 ˚C
BOILING POINT:	-24.8 ˚C
VAPOR PRESSURE:	0.42M Pa (20 ˚C)
VAPOR DENSITY:	3.66 (Air=1)
PERCENT VOLATILE:	80% (by weight)
SOLUBILITY IN WATER:	Not miscible or difficult to mix.
VOC content:	24.81 % 272.4 g/l / 2.27 lb/gl

Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	No data available.
Incompatibility - Materials To Avoid:	Incompatible with strong oxidizing agents, strong caustics, acids, strong bases, hydrogen peroxide, nitric acid, nitrates, sulfuric acid, amines, chemically active metals, salts, aldehydes, ammonia, and halogens.
Hazardous Decomposition or Byproducts:	Thermal decomposition may produce carbon monoxide, carbon dioxide, acrylic monomers, acrid smoke and fumes.
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions To Avoid -	No data available.

PRIMARY ROUTS OF ENTRY: Skin contact, eye contact, inhalation, and ingestion.

ENVIRONMENTAL FATE:
This material is expected to leach into ground water and may biodegrade to certain extent when released into the soil. May biodegrade to certain extent when released in to water. May be moderately degraded by reaction with photochemically produced hydroxyl radicals when released in to the air. This material is expected to have a half-life of less than 1 day when released into the air. Should not be significantly bioaccumulate. Has a log octanol-water partition coefficient of less than 3.0. Bioconcentration factor 13.2 (eels).

ECOTOXICITY: Toxic to aquatic organisms. Should not be released to sewage system or other bodies of water at concentrations above limits established in regulations or permits.
The LC50 (96 hour) values for fish are between 10 and 100mg/l.

WASTE DISPOSAL: Dispose of in accordance with all applicable local, state, and federal regulations. Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable national, prefecutural, and local regulations.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with all applicable local, state, and federal regulations.
Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable national, prefecutural, and local regulations.

SECTION 14: TRANSPORT INFORMATION

Ground

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.
DOT Hazard Class: 2.1 FLAMMABLE GAS
UN/NA Number: UN1950

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.
UN Number: |N|
Hazard Class: 2.1 FLAMMABLE GAS
Packing Group: N/A
IATA UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.

IMDG EMS Page: |
IMDG MFAG Number: |

Note:Shipper must be appropriately trained and certified before involvement with the transport of dangerous goods.

SECTION 15: OTHER REGULATORY INFORMATION

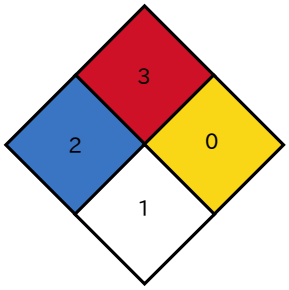
Canada
Domestic Substance List (DSL) / Non-Domestic Substance Lists (NDSL)
All hazardous ingredients are listed on the DSL.
Hazardous Products Act (R.S.C., 1985, c. H-3)
The safety data sheet and label comply with the Hazardous Product Act and WHMIS 2015.

USA
Other Classifications

HMIS® RATING

HEALTH:	* 2
FLAMMABILITY:	3
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA® 704 CODES



Approximate HMIS and NFPA Risk Ratings Legend:
0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

CAA (Clean Air Act, USA)
This product does not contain any class 1 ozone depleting substances.
This product does not contain any class 2 ozone depleting substances.

EPCRA (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)
which are subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.
This product contains, isobutyl acetate (CAS# 110-19-0) and ethyl acetate (CAS# 141-78-6)
which are subject to the CERCLA reporting requirements at the 5 000 lb (2 268 kg) threshold.

TSCA (Toxic Substances Control Act of 1976, USA)
All substances are TSCA listed.
California Proposition 65 (Chemicals known to cause cancer or reproductive toxicity, June 06, 2014 revision, USA).
This product contains ethanol, which is listed as reproductively toxic and as a carcinogen when in an alcoholic beverage.

Europe
RoHS (Restriction of Hazardous Substances Directive)
This product does not contain any lead, cadmium, mercury, hexavalent chromium,
PBB's, or PBDE's, and complies with European RoHS regulations.

SECTION 16: OTHER INFORMATION

REFERENCE: Material Substance Database/ Japan Paint Industrial Association Pocket Book for Solvents
Reference of Hazardous and Toxic Chemical Substance/ Japan Industrial Safety and Health Association (JISHA)
SDS of other manufacturers

LEGAL DISCLAIMER:
BHG Import Export inc. 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 Import Export inc. 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 safety data sheet.