



1. Product and Company Identification

Product Code: BP-U
Product Name: Universal Urethane Primer
Company Name: Crest Industries, Inc.
1337 King Road
Trenton, MI 48183
Phone Number: (734)479-4141
Web site address: crestauto.com
Emergency Contact: Chemtel (800)255-3924
International Calls (813)248-0585
Stock Number(s): BP-U

2. Hazards Identification

Flammable Liquids, Category 2
Specific Target Organ Toxicity (single exposure), Category 3
Serious Eye Damage/Eye Irritation, Category 2A
Carcinogenicity, Category 2
Specific Target Organ Toxicity (repeated exposure), Category 1
Specific Target Organ Toxicity (single exposure), Category 2
Respiratory Sensitization, Category 1
Skin Sensitization, Category 1



GHS Signal Word: Danger

GHS Hazard Phrases: H225 - Highly flammable liquid and vapor.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H336 - May cause drowsiness or dizziness.
H351 - Suspected of causing cancer .
H371 - May cause damage to organs .
H372 - Causes damage to organs through prolonged or repeated exposure.

GHS Precaution Phrases: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 - Keep container tightly closed.
P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P285 - In case of inadequate ventilation wear respiratory protection.
P235 - Keep cool.

GHS Response Phrases: P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position



comfortable for breathing.
 P341 - If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P314 - Get medical attention/advice if you feel unwell.
 P333+313 - If skin irritation or rash occurs, get medical advice/attention.
 P337+313 - If eye irritation persists, get medical advice/attention.
 P342+311 - If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.
 P363 - Wash contaminated clothing before reuse.
 P370+378 - In case of fire, use carbon dioxide, dry chemical powder, or appropriate foam to extinguish.

GHS Storage and Disposal Phrases:

P403+233 - Store container tightly closed in well-ventilated place - if product is as volatile as to generate hazardous atmosphere.
 P405 - Store locked up.
 P501 - Dispose of contents/container to an approved treatment/storage/disposal facility in accordance with local/regional/national and international regulations.

Potential Health Effects (Acute and Chronic):

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
123-86-4	Butyl acetate	10.00 - 25.00 %
78-93-3	Methyl ethyl ketone	5.000 - 20.00 %
63368-95-6	Benzene, 1,3-diisocyanatomethyl-, polymer with 1,6-diisocyanatohexane	5.000 - 10.00 %
9016-87-9	Polymeric diphenylmethane diisocyanate	2.500 - 10.00 %
1333-86-4	Carbon black	1.000 - 10.00 %
28182-81-2	Poly(hexamethylene diisocyanate)	2.000 - 5.000 %
4420-74-0	3-Trimethoxysilylpropane-1-thiol	<2.500 %
108-65-6	Propylene glycol methyl ether acetate	<2.500 %

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration.

In Case of Skin Contact: In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

In Case of Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

In Case of Ingestion: Never give anything by mouth to an unconscious person. Potential for aspiration if swallowed. Get medical aid immediately. If vomiting occurs naturally, have victim lean forward. Rinse mouth with water. Do NOT induce vomiting.

Note to Physician: Treat symptomatically and supportively. Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.



5. Fire Fighting Measures

Flammability Classification: Flammable Liquid
Flash Pt: > -8.00 C (17.6 F) **Method Used:** Setaflash Closed Cup (Rapid Setaflash)
Explosive Limits: LEL: 1.8 UEL: 11.5
Autoignition Pt: 315 C (599 F)
Suitable Extinguishing Media: In case of fire, use carbon dioxide, dry chemical powder or appropriate foam.
Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Containers may explode in the heat of a fire. Liquid will float and may reignite on the surface of water. Vapors are heavier than air and may travel to a source of ignition and flash back.

Flammable Properties and

Hazards:

Hazardous Combustion Carbon oxides.

Products:

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8.
 Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Do not let product enter drains.
 Keep in suitable, closed containers for disposal.

7. Handling and Storage

Precautions To Be Taken in Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Keep away from heat, sparks and flame. Avoid ingestion and inhalation.
Precautions To Be Taken in Storing: Keep away from sources of ignition. Store in a tightly closed container. Store in well-ventilated place.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
123-86-4	Butyl acetate	PEL: 150 ppm	TLV: 150 ppm STEL: 200 ppm	
78-93-3	Methyl ethyl ketone	PEL: 200 ppm	TLV: 200 ppm STEL: 300 ppm	
63368-95-6	Benzene, 1,3-diisocyanatomethyl-, polymer with 1,6-diisocyanatohexane			
9016-87-9	Polymeric diphenylmethane diisocyanate			
1333-86-4	Carbon black	PEL: 3.5 mg/m3	TLV: 3.5 mg/m3	
28182-81-2	Poly(hexamethylene diisocyanate)			
4420-74-0	3-Trimethoxysilylpropane-1-thiol			
108-65-6	Propylene glycol methyl ether acetate			



Respiratory Equipment (Specify Type):	Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.
Eye Protection:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Protective Gloves:	Wear appropriate gloves to prevent skin exposure. Wash and dry hands.
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Ventilation fans and other electrical service must be non-sparking and have an explosion-proof design.
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. Physical and Chemical Properties

Physical States:	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
Appearance and Odor:	Appearance: Black. Liquid. Odor: solvent odor.
Melting Point:	-87.0 C (-125 F)
Boiling Point:	79.0 C (174 F) - 0 C (32.0 F)
Flash Pt:	> -8.00 C (17.6 F) Method Used: Setaflash Closed Cup (Rapid Setaflash)
Evaporation Rate:	
Flammability (solid, gas):	
Explosive Limits:	LEL: 1.8 UEL: 11.5
Vapor Pressure (vs. Air or mm Hg):	
Vapor Density (vs. Air = 1):	> Air
Specific Gravity (Water = 1):	
Density:	~ 0.8947 G/CM3
Solubility in Water:	
Percent Volatile:	72.0 %
VOC / Volume:	5.40 LB/GA
Autoignition Pt:	315 C (599 F)

10. Stability and Reactivity

Stability:	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>
Conditions To Avoid - Instability:	ignition sources, Excess heat.
Incompatibility - Materials To Avoid:	Strong oxidizing agents, Strong acids, Bases.
Hazardous Decomposition or Byproducts:	Carbon monoxide, Carbon dioxide, formed under fire conditions.
Possibility of Hazardous Reactions:	Will occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>
Conditions To Avoid - Hazardous Reactions:	



11. Toxicological Information

Toxicological Information:

Carcinogenicity/Other Information:

CAS# 123-86-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 78-93-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 1333-86-4: ACGIH: Not listed. California: carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size). NTP: Not listed. Carcinogenicity. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
123-86-4	Butyl acetate	n.a.	n.a.	n.a.	n.a.
78-93-3	Methyl ethyl ketone	n.a.	n.a.	n.a.	n.a.
63368-95-6	Benzene, 1,3-diisocyanatomethyl-, polymer with 1,6-diisocyanatohexane	n.a.	n.a.	n.a.	n.a.
9016-87-9	Polymeric diphenylmethane diisocyanate	n.a.	3	n.a.	n.a.
1333-86-4	Carbon black	n.a.	2B	A4	n.a.
28182-81-2	Poly(hexamethylene diisocyanate)	n.a.	n.a.	n.a.	n.a.
4420-74-0	3-Trimethoxysilylpropane-1-thiol	n.a.	n.a.	n.a.	n.a.
108-65-6	Propylene glycol methyl ether acetate	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

13. Disposal Considerations

Waste Disposal Method:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed. RCRA U-Series: CAS# 78-93-3: waste number U159 (Ignitable waste, Toxic waste). Contact a licensed professional waste disposal service to dispose of this material.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Limited Quantity.

DOT Hazard Class:

UN/NA Number: None

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name:

UN Number: None

Hazard Class:

TDG Classification:



SAFETY DATA SHEET

Universal Urethane Primer

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Paint [including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base]

UN Number: 1263

Packing Group: II

Hazard Class: 3 - FLAMMABLE LIQUID

IMDG MFAG Number:

IMDG EMS Page:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Paint [including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base]

UN Number: 1263

Packing Group: II

Hazard Class: 3 - FLAMMABLE LIQUID

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
123-86-4	Butyl acetate	No	Yes 5000 LB	No
78-93-3	Methyl ethyl ketone	No	Yes 5000 LB	No
63368-95-6	Benzene, 1,3-diisocyanatomethyl-, polymer with 1,6-diisocyanatohexane	No	No	No
9016-87-9	Polymeric diphenylmethane diisocyanate	No	No	Yes-Cat. N120
1333-86-4	Carbon black	No	No	No
28182-81-2	Poly(hexamethylene diisocyanate)	No	No	No
4420-74-0	3-Trimethoxysilylpropane-1-thiol	No	No	No
108-65-6	Propylene glycol methyl ether acetate	No	No	No

This material meets the EPA Yes No **Acute (immediate) Health Hazard**

'Hazard Categories' defined Yes No **Chronic (delayed) Health Hazard**

for SARA Title III Sections Yes No **Fire Hazard**

311/312 as indicated: Yes No **Sudden Release of Pressure Hazard**

Yes No **Reactive Hazard**

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
123-86-4	Butyl acetate	CAA HAP,ODC: No; CWA NPDES: Yes; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: Yes - 1329; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: No; WI Air: Yes
78-93-3	Methyl ethyl ketone	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: Yes; NJ EHS: Yes - 1258; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes
63368-95-6	Benzene, 1,3-diisocyanatomethyl-, polymer with 1,6-diisocyanatohexane	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
9016-87-9	Polymeric diphenylmethane diisocyanate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8C, 8D TERM; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 4140; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No



SAFETY DATA SHEET

Universal Urethane Primer

1333-86-4	Carbon black	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: Yes; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 0342; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes
28182-81-2	Poly(hexamethylene diisocyanate)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
4420-74-0	3-Trimethoxysilylpropane-1-thiol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
108-65-6	Propylene glycol methyl ether acetate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8A PAIR, 8D TERM; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No

16. Other Information

Revision Date: 02/17/2014

Additional Information About This Product:

Company Policy or Disclaimer:

The information contained in this SDS is believed to be accurate and reliable as of the date indicated. Crest Industries, Inc. assumes no legal responsibility and makes no representation, warranty or guarantee, expressed or implied, as to the completeness or accuracy of the information. It is offered solely for your consideration, investigation and verification. The user is ultimately responsible for the safe use of the material in accordance with applicable federal, state, provincial and local laws and regulations.