



# SAFETY DATA SHEET

Revision date 15-Jun-2017

Version 2

Supersedes Date: 26-May-2017

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name** 2K PRIMER - BUFF  
**Product Code** AD-30401.G01  
**UN/ID no** UN1263  
**Recommended Use** Paint, Coatings

### Details of the supplier of the safety data sheet

See section 16 for more information

ADVANTAGE REFINISH PRODUCTS  
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**E-mail address** [No information available](#)

**Emergency telephone number** Chemtrec: 800-424-9300

## Section 2: HAZARDS IDENTIFICATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR

### Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 1A
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 2

### Label elements



Signal word

**DANGER**

#### HAZARD STATEMENTS

Highly flammable liquid and vapor  
Causes skin irritation  
Causes serious eye irritation  
May cause cancer  
Suspected of damaging fertility or the unborn child  
May cause damage to organs through prolonged or repeated exposure  
May be fatal if swallowed and enters airways  
May cause drowsiness or dizziness

#### PREVENTION

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

#### RESPONSE

IF exposed or concerned: Get medical advice/attention.

##### Eyes

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.

##### Skin

If skin irritation occurs: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

##### Inhalation

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

##### Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

##### Fire

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

#### STORAGE

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

#### DISPOSAL

Dispose of contents/containers in accordance with local regulations.

#### OTHER HAZARDS

Not applicable.

#### UNKNOWN ACUTE TOXICITY

0% of the mixture consists of ingredient(s) of unknown toxicity.

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	weight-%
Titanium dioxide	13463-67-7	10 - <15
Xylenes	1330-20-7	10 - <15
Isobutyl acetate	110-19-0	10 - <15
Methyl ethyl ketone	78-93-3	3 - <5

Toluene	108-88-3	3 - <5
Ethylbenzene	100-41-4	1 - <3
Quartz	14808-60-7	0.1 - <0.3
Styrene	100-42-5	0.1 - <0.3

## Section 4: FIRST AID MEASURES

### First Aid Measures

#### General advice

IF exposed or concerned: Get medical advice/attention

#### Eye contact

If eye irritation persists: 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

#### Skin Contact

If skin irritation occurs: Get medical advice/attention IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower Wash contaminated clothing before reuse

#### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing

#### Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT induce vomiting

### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

## Section 5: FIRE FIGHTING MEASURES

**Flammable properties** Flammable liquid.

**flash point** 16 °F / -9 °C

**Upper flammability limit:** No information available

**Lower flammability limit:** No information available

**Autoignition temperature** No information available

#### Explosion data

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

#### Suitable extinguishing media

Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

Not to be used for safety reasons: Strong water jet

**Hazardous combustion products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

#### Specific hazards arising from the chemical

Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes.

### Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.

## Section 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions

Avoid breathing vapors or mists. Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Take precautionary measures against static discharges.

### Environmental precautions

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

### Methods for containment

Prevent further leakage or spillage if safe to do so.

### Methods for cleaning up

Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers.

## Section 7: HANDLING AND STORAGE

### Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

### General Hygiene Considerations

Avoid contact with skin, eyes or clothing. When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

### Storage Conditions

Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep tightly closed in a dry and cool place.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

#### Exposure Limits

If S\* appears in the OEL table, it indicates this chemical contains a skin notation.

Chemical Name	ACGIH TLV	Alberta	British Columbia	Ontario TWA	Quebec	OSHA PEL
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust
Xylenes 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 434 mg/m <sup>3</sup> STEL: 150 ppm STEL: 651 mg/m <sup>3</sup>	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 434 mg/m <sup>3</sup> STEL: 150 ppm STEL: 651 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>
Isobutyl acetate 110-19-0	TWA: 150 ppm	TWA: 150 ppm TWA: 713 mg/m <sup>3</sup>	TWA: 150 ppm	TWA: 150 ppm	TWA: 150 ppm TWA: 713 mg/m <sup>3</sup>	TWA: 150 ppm TWA: 700 mg/m <sup>3</sup>
Methyl ethyl ketone 78-93-3	STEL: 300 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 590 mg/m <sup>3</sup> STEL: 300 ppm STEL: 885 mg/m <sup>3</sup>	TWA: 50 ppm STEL: 100 ppm	TWA: 200 ppm STEL: 300 ppm	TWA: 50 ppm TWA: 150 mg/m <sup>3</sup> STEL: 100 ppm STEL: 300 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 590 mg/m <sup>3</sup>
Toluene 108-88-3	TWA: 20 ppm	TWA: 50 ppm TWA: 188 mg/m <sup>3</sup> S*	TWA: 20 ppm Adverse reproductive effect	TWA: 20 ppm	TWA: 50 ppm TWA: 188 mg/m <sup>3</sup> S*	TWA: 200 ppm Ceiling: 300 ppm

Ethylbenzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 434 mg/m <sup>3</sup> STEL: 125 ppm STEL: 543 mg/m <sup>3</sup>	TWA: 20 ppm	TWA: 20 ppm	TWA: 100 ppm TWA: 434 mg/m <sup>3</sup> STEL: 125 ppm STEL: 543 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>
Quartz 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	TWA: 0.025 mg/m <sup>3</sup>	TWA: 0.025 mg/m <sup>3</sup>	TWA: 0.10 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	TWA: (30)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA total dust TWA: (250)/(%SiO <sub>2</sub> + 5) mppcf TWA respirable fraction TWA: (10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable fraction
Styrene 100-42-5	STEL: 40 ppm TWA: 20 ppm	TWA: 20 ppm TWA: 85 mg/m <sup>3</sup> STEL: 40 ppm STEL: 170 mg/m <sup>3</sup>	TWA: 50 ppm STEL: 75 ppm	TWA: 35 ppm STEL: 100 ppm	TWA: 50 ppm TWA: 213 mg/m <sup>3</sup> STEL: 100 ppm STEL: 426 mg/m <sup>3</sup> S*	TWA: 100 ppm Ceiling: 200 ppm

### Engineering Controls

Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

### Personal Protective Equipment

#### Eye/face protection

Wear safety glasses with side shields (or goggles).

#### Hand Protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance. Wear protective gloves.

#### Skin and body protection

Wear suitable protective clothing. Personnel should wear anti-static clothing made of natural fiber or of high temperature resistant synthetic fiber.

#### Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

#### Thermal Protection

No information available

### Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state	liquid
Appearance	No information available
Odor	Solvent
Color	beige
Odor Threshold	No information available
pH value	No information available
Melting point/freezing point	No information available
Boiling point / boiling range	79.6 °C / 175 °F
flash point	-9 °C / 16 °F
evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available

<b>Vapor Pressure</b>	No information available
<b>vapor density</b>	No information available
<b>Density (lbs per US gallon)</b>	11.62
<b>specific gravity</b>	1.39
<b>Solubility(ies)</b>	No information available
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Kinematic viscosity</b>	No information available
<b>Dynamic viscosity</b>	No information available

#### Other information

### Section 10: STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Incompatible materials</b>	Strong bases. Strong oxidizing agents. Strong acids. Acids. Alkali.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Hazardous Decomposition Products</b>	Carbon monoxide. Carbon dioxide (CO2).
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	None under normal processing.

### Section 11: TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

##### **Eye contact**

Causes serious eye irritation

##### **Skin Contact**

Causes skin irritation

##### **Ingestion**

May be fatal if swallowed and enters airways

##### **Inhalation**

May cause drowsiness or dizziness

#### Numerical measures of toxicity - Component Information

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Titanium dioxide 13463-67-7	> 10000 mg/kg ( Rat )	-	-
Xylenes 1330-20-7	= 3500 mg/kg ( Rat )	> 1700 mg/kg ( Rabbit ) > 4350 mg/kg ( Rabbit )	= 29.08 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h
Isobutyl acetate 110-19-0	= 15400 mg/kg ( Rat )	> 17400 mg/kg ( Rabbit )	-
Methyl ethyl ketone 78-93-3	= 2737 mg/kg ( Rat ) = 2483 mg/kg ( Rat )	= 6480 mg/kg ( Rabbit ) = 5000 mg/kg ( Rabbit )	= 11700 ppm ( Rat ) 4 h
Toluene 108-88-3	= 2600 mg/kg ( Rat )	= 12000 mg/kg ( Rabbit )	= 12.5 mg/L ( Rat ) 4 h
Ethylbenzene 100-41-4	= 3500 mg/kg ( Rat )	= 15400 mg/kg ( Rabbit )	= 17.2 mg/L ( Rat ) 4 h
Quartz 14808-60-7	= 500 mg/kg ( Rat )	-	-
Styrene 100-42-5	= 1000 mg/kg ( Rat )	-	= 11.7 mg/L ( Rat ) 4 h

#### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (dermal) 9539 Mg/kg

ATEmix (inhalation-dust/mist) 10.7 mg/l  
ATEmix (inhalation-vapor) 78 mg/l

**UNKNOWN ACUTE TOXICITY** 0% of the mixture consists of ingredient(s) of unknown toxicity.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity**

According to IARC, Volume 93, no significant exposure to primary particles of titanium dioxide is thought to occur from use in paints since the pigment is bound to other materials.

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium dioxide 13463-67-7		Group 2B		X
Ethylbenzene 100-41-4	A3	Group 2B		X
Quartz 14808-60-7	A2	Group 1	Known	X
Styrene 100-42-5		Group 2B	Reasonably Anticipated	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen. A3 - Animal Carcinogen.

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans. Group 2B - Possibly Carcinogenic to Humans.

NTP (National Toxicology Program)

Known - Known Carcinogen. Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen.

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present.

<b>Skin corrosion/irritation</b>	Causes skin irritation
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation
<b>Skin sensitization</b>	Not applicable
<b>Respiratory sensitization</b>	Not applicable
<b>Germ cell mutagenicity</b>	Not applicable
<b>Carcinogenicity</b>	May cause cancer
<b>Reproductive Toxicity</b>	Suspected of damaging fertility or the unborn child
<b>Specific target organ toxicity (single exposure)</b>	May cause drowsiness or dizziness
<b>Specific target organ toxicity (repeated exposure)</b>	May cause damage to organs through prolonged or repeated exposure
<b>Aspiration hazard</b>	Not applicable

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

Environmental precautions Prevent product from entering drains.

**Persistence and degradability**

No information available

**Bioaccumulation**

No information available

**Mobility**

No information available

**Other adverse effects**

No information available

**Section 13: DISPOSAL CONSIDERATIONS**

**Waste from residues/unused products** Disposal should be in accordance with applicable regional, national and local laws and regulations

**Contaminated packaging** Improper disposal or reuse of this container may be dangerous and illegal.

## Section 14: TRANSPORT INFORMATION

<b>UN/ID no</b>	<b>TDG</b> UN1263	<b>IMDG</b> UN1263	<b>IATA</b> UN1263
<b>Proper shipping name</b>	Paint	Paint	Paint
<b>Hazard Class</b>	3	3	3
<b>Packing Group</b>	II	II	II
<b>Environmental hazard</b>	Not applicable		
<b>Special Provisions</b>		163, 367 <b>EmS-No</b> F-E, S-E	A3, A72, A192
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>			No information available

The supplier may apply one of the following exceptions: Combustible Liquid (49 CFR 173.150(f)); Consumer Commodity (49 CFR 173.150(c), ICAO/IATA SP A112); Limited Quantity (49 CFR 173.150(b), ICAO Part 3 Chapter 4, IATA 2.7, IMDG Chapter 3.4); Viscous Liquid (49 CFR 173.121(b), IMDG 2.3.2.2, IATA 3.3.3.1.1, ICAO 3.2.2, ADR 2.2.3.1.5); Does Not Sustain Combustion (49 CFR 173.120(a), IATA 3.3.1.3, ICAO 3.1.3, IMDG 2.3.1.3, ADR 2.2.3.1.1 Note 1); or others as allowed under hazardous materials/dangerous goods regulations.

## Section 15: REGULATORY INFORMATION

<b>TSCA</b> - United States Toxic Substances Control Act Section 8(b) Inventory	All components are listed or exempt from listing
<b>DSL</b> - Canadian Domestic Substances List	All components are listed or exempt from listing

Chemical Name	Canada - NPRI (National Pollutant Release Inventory)
Xylenes	Part 1, Group A Substance (total of all isomers of Xylene, including m-Xylene, CAS 108-38-3, o-Xylene, CAS 95-47-6, and p-Xylene, CAS 106-42-3); Part 5, Isomer Groups (total of all isomers of Xylene, including m-Xylene, CAS 108-38-3, o-Xylene, CAS 95-47-6, and p-Xylene, CAS 106-42-3)
Isobutyl acetate	Part 4 Substance (as set out in Section 65 of the List of Toxic Substances in Schedule 1 of the Canadian Environmental Protection Act, 1999)
Methyl ethyl ketone	Part 1, Group A Substance; Part 5, Individual Substances
Toluene	Part 1, Group A Substance; Part 5, Individual Substances
Ethylbenzene	Part 1, Group A Substance
Styrene	Part 1, Group A Substance; Part 5, Individual Substances

## Section 16: OTHER INFORMATION

<b>HMIS</b>	
<b>Health hazards</b>	3*
* = Chronic Health Hazard	
<b>Flammability</b>	3
<b>Physical hazards</b>	0
<b>Personal Protection</b>	X

<b>Prepared By</b>	Regulatory Department
<b>Revision date</b>	15-Jun-2017
<b>Revision Note</b>	No information available



**Disclaimer**

The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation and guidelines. As the specific conditions of use of the product are outside the supplier's knowledge and control the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. **UNLESS SUPPLIER AGREES OTHERWISE IN WRITING, SUPPLIER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. SUPPLIER WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

**End of Safety Data Sheet**